


MOTOR
INFORMATION SYSTEMS



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LUBRICATION RECOMMENDATIONS GUIDE

Your number one guide for comprehensive
lubrication specifications



www.sgnauto.com

2004-15

KEY TO LUBRICANT SYMBOLS

MEDIUM & HEAVY TRUCKS, FARM TRACTORS

AF2	DEXRON®-II Automatic Transmission Fluid <i>Type-A, Suffix-A or Dexron where footnoted</i>	HTF	Tractor Hydraulic Fluid AGCO, Allis-Chalmers, Deutz-Allis, White: Power Fluid 821-XL, AGCO Permatran 821XL, Spec. CMS1135 Deere: Hy-Gard®, Spec. JDM J20B, J20C, J20D Deutz Fahr: AKROS MULTI, AKROS MULTI FTC Fiat, Hesston-Fiat (tractors): Olofol Tutela Multi-F Ford, New Holland: Use the following as noted: 134 Hydraulic Fluid, Spec. ESN-M2C134-D, Hy-Tran Ultra®, Spec. MS-1209, or Spec. F200-A in cold weather, Master-Tran Spec. MAT 3505, Multi-G 134 fluid (NF-4108), Multi-G 134 fluid (MAT 3525) 134d Ambra Multi G (MAT 3525) Kubota: VG 32, may use inhibited formulation Kubota Super UCT Fluid Landini, Massey Ferguson: Use the following as noted: PERMATRAN®-III, Spec. M1135, M1143 or M1144 Mahindra: Universal Tractor Fluid McCormick: McCormick ATF Steiger: Hydraulic/Transmission Fluid, Spec. SEMS 17001 TYM: Chevron 1000 THF, RPM Tractor Hydraulic Fluid, Textron™ DH Premium (CALTEX), or Texaco TDH Oil Valtra: Valtra transmission fluid XT60 (Valtra G2-08 specification), Valtra transmission fluid XT60+ (Valtra G2-B10 specification), Versatile: HyGear Fluid Spec. 23M or 24M
AF3	DEXRON®-III Automatic Transmission Fluid AGCO, Deutz-Allis, White: Power Fluid 411	HY	Hydraulic Oil Ford, New Holland: Hydraulic Oil 41, Part No. 10M2C41, Spec. ESNM2C41-B White: White Type 55 Fluid
AF6	Transmission Fluid	LB	Chassis Grease, NLGI Classification LB
AP4	ATF-4® Automatic Transmission Flu	LHM	Ambra Brake LHM Oil (ISO 7308)
BTF	Hydraulic Transmission Fluid Deere: BIO-HY-GARD	LM	Lithium Multipurpose Grease EP LM: Lithium Grease with EP AGCO: Lithium II, Part No. 79014728, Super Lithium AG Deere: Capable of operating above 302°F (150°C) Ford, New Holland: Part No. 961331Q, Spec. ESN-M1C137-B Ambra GR9 Massey Ferguson: Spec. M-1105 Steiger: Must exceed 350°F (177°C) dropping point Moly LM: Lithium Grease with Moly
CC	Motor Oil, API Service CC (obsolete)	LS	Steering Gear Lubricant
CD	Motor Oil, API Service CD (obsolete)	MA	MERCON® Automatic Transmission Fluid
CD-II	Motor Oil, API Service CD-II (obsolete)	MA5	MERCON®- V Automatic Transmission Fluid, P/N XT-5-QM
CE	Motor Oil, API Service CE (obsolete)	MO	Motor Oil, Any API Service Classification
CF	Motor Oil, API Service CF	MSP	MERCON® SP Automatic Transmission Fluid P/N XT-6-QSP
CF-2	Motor Oil, API Service CF-2	PS006	Pentosin CHF11S
CF-4	Motor Oil, API Service CF-4	PS032	PSF-III
CG-4	Motor Oil, API Service CG-4	PS033	Texaco LT-1833
CH-4	Motor Oil, API Service CH-4	SC	Motor Oil, API Service SC (obsolete)
CI-4	Motor Oil, API Service CI-4	SD	Motor Oil, API Service SD (obsolete)
CI-4+	Motor Oil, API Service CI-4 PLUS	SE	Motor Oil, API Service SE (obsolete)
CJ-4	Motor Oil, API Service CJ-4	SEO15	Ford Spec. WSS M2C930-A
CL	Chassis Lubricant	SEO18	Ford Spec. WSS-M2C945-A
CTF	Cab Tilt Fluid	SEO23	GM Standard GM6094
DC	Distributor Cam Lubricant	SF	Motor Oil, API Service SF (obsolete)
DEF	Diesel Exhaust Fluid, meeting ISO 22241-1	SG	Motor Oil, API Service SG (obsolete)
E1	Motor Oil ACEA Spec. E1	SH	Motor Oil, API Service SH (obsolete)
E2	Motor Oil ACEA Spec. E2	SJ	Motor Oil, API Service SJ
E3	Motor Oil ACEA Spec. E3	SL	Motor Oil, API Service SL
E5	Motor Oil ACEA Spec. E5	SLG	Special Lubricant—Grease Massey Ferguson: Open Gear Grease
E7	Motor Oil ACEA Spec. E7	SLS	Special Lubricant—Spray Caterpillar: Part No. 1U8268 Dry Spray Lubricant
E9	Motor Oil ACEA Spec. E9	SL022	Castrol TranSynd Fluid or TES 295
EP	Extreme Pressure Gear Oil	SL048	LHM Mineral Brake Fluid (green), P/N 3405 389 M1 (HSMO)
FA	Automatic Trans. Fluid, Type-F Deere: All Weather Hydrostatic Fluid, Spec. JDM J21A	SL123	Spec No. M6C59-A, P/N 86541699DS
GC	Wheel Bearing Grease, NLGI Classification GC AGCO: Part No. 79014730	SL124	Rockwell Spec. 0-81
GL-1	Gear Oil, API Service GL-1	SL125	Eaton E500 synthetic
GL-3	Gear Oil, API Service GL-3	SL126	Mobil SHC 50 (RN 2952E-2) Transmission Fluid
GL-4	Gear Oil, API Service GL-4	SM	Motor Oil, API Service SM
GL-5	Gear Oil, API Service GL-5 AGCO: Gear Lube 715, SAE 80W-90 Deere: John Deere Extreme Guard	SN	Motor Oil, API Service SN
GF-4	Motor Oil, ILSAC GF-4	SP	Speedometer Cable Lubricant
GLS31	GM P/N 12345349	TO-4	Transmission Oil, TO-4 Caterpillar: Transmission Drive Train Oil (TDTO)
GLS96	Mack Truck TO-A Plus	TU	Super Tractor Oil Universal (STOU) Massey Ferguson: Spec. M1139
GLS97	SAE Spec. J2360	UTF	Universal Tractor Fluid
GLS98	MIL Spec. MIL-L-21048B	VDS-4	Motor Oil, Volvo Drain Specifications 4
GLS99	MIL Spec. MIL-PRF-2105E	WB	See GC
GLS100	Differential Fluid MIL Spec. MIL-L-2015D		
GO-J	Gear Oil, GO-J		
GO-J+	Gear Oil, GO-J Plus		
GR-9	Ambra GR-9 Multi-Purpose Grease		
HB	Hydraulic Brake Fluid, SAE J170, Hydraulic Brake Fluid, DOT 3		
HBH	Hydraulic Brake Fluid, DOT 4		
HF	Type C-4 Fluid Massey Ferguson: Spec. M-1110		
HG	High Temperature Grease: Clay, complex, or polyurea thickened Caterpillar: No. 2 Polyurea Grease Deere: HG, use complex or polyurea EP No. 2 Spec. JDM J13E4, Use MIL-G-10924F below -22°F (-30°C); Moly HG, use complex with Moly and EP, Spec. JDM J25		
HOA	Anti-Wear Hydraulic Oil Caterpillar: As noted, use Cat Hydraulic Oil (HYDO) or Cat Biodegradable Hydraulic Oil (BIO HYDO) Zetor: VG 32		

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FUEL MIXING TABLE													
Ratio Fuel to Oil	Pints or Ounces of Oil to Gallons of Gasoline								Milliliters (cc) or Liters of Oil to Liters of Gasoline				
	1 Gallon		2 Gallons		5 Gallons		10 Gallons		1 Liter	5 Liters	10 Liters	20 Liters	40 Liters
	Pints	Oz	Pints	Oz	Pints	Oz	Pints	Oz	ml (cc)	ml (cc)	ml (cc)	liters	liters
11:1	3/4	11.5	1 1/2	21.5	3 3/8	58	7 1/4	116	90	455	910	1.8	3.6
12:1	2/3	10.5	1 1/3	21	3 1/3	53.5	6 2/3	107	85	415	835	1.7	3.3
16:1	1/2	8	1	16	2 1/2	40	5	80	65	315	625	1.3	2.5
20:1	2/5	6.5	4/5	13	2	32	4	64	50	250	500	1.0	2.0
24:1	1/3	5.5	3/5	10.5	1 2/3	28.5	3 1/3	53	40	210	420	0.8	1.7
25:1	1/3	5	2/3	10	1 2/3	25.5	3 1/3	51	40	200	400	0.8	1.6
30:1	1/4	4.5	1/2	8.5	1 1/3	21.5	2 2/3	43	35	165	335	0.7	1.3
32:1	1/4	4	1/2	8	1 1/4	20	2 1/2	40	30	60	315	0.6	1.3
40:1	1/5	3	2/5	6.5	1	16	2	32	25	125	250	0.5	1.0
42:1	1/5	3	2/5	6	1	15	2	30	25	120	240	0.5	1.0
50:1	1/5	2.5	3/10	5	4/5	13	1 3/5	26	20	100	200	0.4	0.8
100:1	1/10	1.5	1/5	2.5	2/5	6.5	4/5	13	10	50	100	0.2	0.4

CARS & LIGHT TRUCKS

ACURA • AM GENERAL • AUDI

ACURA

SLX—SEE ISUZU TROOPER

2004-15 ALL MODELS

CRANKCASE	
RDX: 2003-12	SE002
2013-15	API*
All others	API*
3.2CL, 3.2TL, TL: 2003-11	5W-20
3.5RL, RL: 2003-12	5W-20
ILX: 2013-15 2.0L	0W-20
2013-15 2.4L	0W-20
ILX Hybrid: 2013-14	0W-20
MDX	5W-20
2014-15	0W-20
NSX:	
Above 4°F (-20°C)	10W-30 ¹
Below 0°F (-18°C)	5W-30
RDX: 2004-12	5W-30
2013-15	0W-20
RLX 2014-15	0W-20
RSX ex. Type S	5W-20
TL: 2012-14 2WD	0W-20
2012-14 AWD	5W-20
TLX: 2015 All temperatures	0W-20
TSX: 2004-08	5W-30
2009-10	5W-20
2011-14	0W-20
ZDX	5W-20
All Others	5W-30
CAPACITY, Refill ¹ :	
3.2TL, TL:	Liters Qt
2004-14	4.3 4.5
3.5RL, RL:	
2004	4.6 4.9
2005-12	4.3 4.5
ILX:	
2013-15 2.0L	3.7 3.9
2013-15 2.4L	4.2 4.4
ILX Hybrid: 2013-14	3.5 3.8
MDX:	
2004-13	4.3 4.5
2014-15	5.4 5.7
NSX:	
2007-12	4.7 5.0
2013-15	4.3 4.5
RLX 2014-15	4.3 4.5
RSX:	
All ex. Type S	4.2 4.4
Type S	4.7 5.0
TLX:	
2015: 2.4L	4.2 4.4
3.5L	4.3 4.5
TSX:	
2004-08	4.2 4.4
2009-14: 2.4L	4.0 4.2
3.5L	4.3 4.5
ZDX	4.3 4.5
¹ Preferred.	
² Capacity shown includes filter. After refill, check oil level.	
TRANSEXLE, Automatic	
2004-10	SL002
2011-15	SL001
2013-15 CVT	VTF01
2015 TLX: Dual Clutch	SL156
w/o Dual Clutch	SL157
CAPACITY, Initial Refill ¹ :	
3.2CL	Liters Qt
2004-06	3.0 3.2
2007-09	3.1 3.3
2010-11: w/SH-AWD	2.8 3.0
w/o SH-AWD	3.3 3.5
2012-14	3.1 3.3
3.5RL, RL:	
2004	3.0 3.2
2005-10	2.7 2.9
2011-12	3.1 3.3
ILX 2013-15	2.5 2.6
ILX Hybrid 2013-14	2.8 3.0
MDX:	
2004-06	2.7 2.9
2007-09	2.8 3.0
2010-15	3.1 3.3
NSX:	
2007-09	3.3 3.5
2010-12: w/SH-AWD	2.9 3.1
w/o SH-AWD	2.8 3.0
2013-15	3.1 3.3
RLX 2014-15	3.1 3.3
RSX:	
2004-05	2.7 2.9
2006	2.9 3.1
TLX:	
2015: 2.4L	4.1 4.3
3.5L	3.3 3.5

CAPACITY, Initial Refill ¹ :		Liters	Qt
TSX:			
2004-05	2.9	3.1	
2006-09	2.8	3.0	
2010-14: 2.4L	2.5	2.6	
3.5L	3.3	3.5	
ZDX	3.1	3.3	
¹ With engine at operating temperature, shift transmission through all gears. Turn engine off and check fluid level within one minute.			
TRANSEXLE, Manual			
		Liters	Pt
2004-06 3.2TL	2.2	4.6	
2007-14 3.2TL	2.1	4.4	
2013-15 ILX 2.4L	1.9	4.0	
NSX	2.7	5.7	
RSX	1.5	3.2	
TSX	1.9	4.0	
TRANSFER CASE			
3.5RL, RL	90, 80W-90 GL-4, GL-5		
2004-12 MDX	90, 80W-90 GL-4, GL-5		
2013-15 MDX	SL003		
2007-12 RDX	90, 80W-90 GL-4, GL-5		
2013-15 RDX	SL003		
2008-11 TL	90, 80W-90 GL-4, GL-5		
2012-14 TL	SL003		
2015 TLX			
All temperatures	90, 75W-85 GL-4, GL-5		
ZDX	90		
CAPACITY, Refill:		Liters	Pt
3.5RL, MDX, RDX, RL, TL, ZDX	0.4	0.8	
TLX	0.4	0.9	
FINAL DRIVE			
3.5RL:	GL-4, GL-5		
Above 0°F (-18°C)	90		
Below 0°F (-18°C)	80W-90		
CAPACITY, Refill:		Liters	Pt
3.5RL	1.0	2.1	
REAR DIFFERENTIAL			
2007-15 MDX, RDX, 2008-14 TL, 2005-14 RL, ZDX	GLS03		
All others	GLS80		
CAPACITY, Refill:		Liters	Pt
3.5RL, RL: Clutch chamber	2.6	5.5	
Hypoid chamber	0.7	1.5	
MDX	2.5	5.3	
RDX 2004-12, TL 2004-14	2.5	5.3	
RDX 2013-15	1.2	2.6	
TLX 2015	1.9	3.9	
ZDX	2.5	5.3	
OTHER COMPONENTS			
Brake Fluid Reservoir	HB		
Clutch Fluid Reservoir	HB		
Power Steering Fluid Reservoir	PS002		

AM GENERAL

2004-10 HUMMER H2, H3, H3T	
CRANKCASE	
2004 H2: Above 0°F (-18°C)	10W-30 ¹
All temperatures	5W-30 ^{1,2}
2005-09 H2 All temperatures	5W-30 ³
2006-10 H3, H3T All temperatures	5W-30 ^{1,2}
CAPACITY, Refill ¹ :	
	Liters Qt
All	5.7 6.0
¹ Preferred.	
² Capacity shown includes filter. After refill, check oil level.	
³ Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 of meeting GM standard SEO23.	
TRANSMISSION, Automatic	
All	AF6
CAPACITY, Refill ¹ :	
	Liters Qt
All ex. H2 w/6L80	4.7 4.9
H2 w/6L80	5.7 6.0
¹ With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.	
TRANSMISSION, Manual	
H3, H3T	75W-90 GL-3
CAPACITY, Refill:	
	Liters Pt
2004-10 H3, H3T:	
2WD	2.2 4.6
4WD	2.3 4.8
TRANSFER CASE	
H2, H3, H3T:	
2004-06	GLS37
2007-10	AF6
CAPACITY, Refill:	
	Liters Pt
2004-09 H2	1.4 2.9
2006-10 H3, H3T	1.5 3.2
DIFFERENTIAL	
All temperatures	Synthetic 75W-90
CAPACITY, Refill:	
	Liters Pt
Front: H2 2004-09	1.7 3.6
H3, H3T	1.5 3.2
Rear:	
H2	2.6 5.5
2006-10 H3, H3T	2.0 4.2

OTHER COMPONENTS	
Brake Fluid	HB
Clutch Fluid	HB
Power Steering Fluid	PS004

AUDI

2004-15	
CRANKCASE	
2004 A4 1.8L Turbo	SE003
2004 RS6 4.2L	SE005
2005-15 Gasoline Engines	SE003
2009-15 Diesel Engines	SE006
Others 2004	API*
2004 1.8L Turbo	
All temperatures	0W-40, 5W-30, 5W-40
2004 RS6 4.2L: All temperatures	5W-40
2004 Others:	
w/Energy Conserving Oil:	
All temperatures	5W-30, 5W-40, 10W-30, 10W-40
ex. Energy Conserving Oil:	
All temperatures	5W-50, 10W-50, 10W-60
Below 59°F (15°C)	5W-30, 5W-40, 10W-30, 10W-40
Above 5°F (-15°C)	15W-40, 15W-50, 20W-40, 20W-50
2009-15 Diesel All temperatures	5W-30
2005-15 Gasoline All temperatures	
ex. 2012-15 F8 GT	5W-40, 5W-30, 0W-40
2012-15 F8 GT All temperatures	10W-60
CAPACITY, Refill ¹ :	
	Liters Qt
A3:	
2006-13: 2.0L Gas	4.6 4.9
2.0L Diesel	4.0 4.2
3.2L	5.5 5.8
2015: 1.8L	4.9 5.2
2.0L Gas	5.5 5.8
2.0L Diesel	5.5 5.8
A4, RS4, A4 Allroad:	
1.8L Turbo:	
2004-06	4.1 4.5
2.0L:	
2005-09	4.5 4.6
2010-15	4.6 4.9
2.7L	6.5 6.9
3.0L:	
2005-07	6.4 6.8
2010-11	6.2 6.6
All ex. 2005-11	5.4 5.7
3.2L:	
2005-06	6.1 6.5
2007-08	6.5 6.7
4.2L RS4:	
2007	8.0 8.5
2008	9.5 10.0
A5 2011-15	4.6 4.9
A5 Quattro:	
2008-09	6.5 6.9
2010-15 2.0L	4.6 4.9
2010 3.2L	6.2 6.6
A6, Allroad, RS6, S6:	
2.0L 2012-15	4.6 4.9
2.7L:	
2004	6.9 7.3
2005	6.5 6.9
3.0L Gasoline:	
2004	6.0 6.3
2009-11	6.5 6.9
2012-15	6.8 7.2
3.0L Diesel:	
2014-15	6.4 6.8
3.2L:	
2005	8.1 8.6
2006-11	6.5 6.7
4.2L:	
A6 2005-07	8.8 9.3
A6 2008	9.1 9.6
A6 2009-11	8.5 9.0
Allroad 2005	8.0 8.5
All others	7.6 8.0
5.2L 2007-08	10.0 10.5
A7 3.0L Gas	6.8 7.2
A7 Diesel	6.4 6.8
A8, S8:	
3.0L 2013-15:	
3.0L TDI 2014-15	6.8 7.2
3.7L	6.4 6.8
4.0L 2013-15	7.5 7.9
4.2L:	
2004-06	7.5 7.9
2007	8.4 8.8
2008-09	9.1 9.6
2010	8.5 9.0
2011-12	7.7 8.1
6.0L	12.5 13.2
6.3L 2012-15	11.5 12.2
Q3 2.0L	4.6 4.9
Q5: 2.0L	4.6 4.9
3.0L	6.8 7.2
3.2L	6.2 6.6

CARS & LIGHT TRUCKS

AUDI Continued

CAPACITY, Refill ¹ :	Liters	Qt
Q7:		
3.0L 2011-15 Gas	6.8	7.2
3.0L Diesel: 2009-12	8.2	8.6
2013-15	7.7	8.1
3.6L	6.9	7.3
4.2L	9.2	9.7
RSS: 4.2L	9.7	10.2
R8: 4.2L	10.0	10.6
5.2L	8.3	8.8
S4:		
2.7L	6.5	6.9
3.0L: 2010-12	6.2	6.6
2013-15	6.8	7.1
4.2L: 2004-07	9.0	9.5
2008-05	8.8	9.3
SS:		
3.0L 2010-12	6.2	6.6
2013-15	6.8	7.2
4.2L	8.8	9.3
S6, S7, RS7, S8: 4.0L 2013-15	8.3	8.8
SC5: 3.0L	6.8	7.2
TT:		
1.8L Turbo, 2.0L	4.5	4.8
2.5L 2012-13	6.5	6.9
3.2L	5.5	5.8
¹ Capacity shown includes filter; add 0.5 liters (0.5 qt) less than specified amount, run engine to operating temperature. Recheck level and correct as necessary.		
DIESEL EXHAUST FLUID		
All		DEF
CAPACITY, Refill:		
A6, A7	Liters	Gal
A8	17.0	4.5
Q5	24.0	6.3
Q7	23.0	6.0
Q7	23.0	6.0
TRANSMISSION, Automatic		
Multitronic 01J, 0AW CVT		VTF03
A3, TT:		
2004-08 09G		TIV
2004-15 J2E		SL007
2015 A3 0D9		SL007
Q3		TIV ⁴
Q7:		
0C8 Trans		SL015
0AT Trans: 2008-09		SL014
2010		SL016
09D Trans		TIV
Others		AE
R8 7-speed Tiptronic		SL009
0B5		SL009
0B6, 0BK/CBL, 09L		SL016
0BW		SL016
09E		SL012
CAPACITY, Initial Refill^{1,2}:		
	Liters	Qt
2004:		
A4, Quattro:		
01V Trans	3.0	3.2
01J Trans	4.5	4.8
A6, Quattro:		
01L Trans	4.0 ³	4.2 ³
01J Trans	4.5	4.8
A8 Quattro:		
01L Trans	4.0 ³	4.2 ³
09E Trans (Total fill)	10.4	11.0
All Road: 01V Trans	4.0 ³	4.2 ³
RS6: 01L Trans	4.0 ³	4.2 ³
S4: 09L Trans	8.0 ³	8.3 ³
TT: 09G Trans (Total fill)	7.0	7.4
2005:		
A4, Quattro:		
01V Trans	3.0	3.2
01L Trans	5.0	5.3
09L Trans	8.0 ³	8.3 ³
A6 Quattro: 09L Trans	4.0 ³	4.2 ³
A8 Quattro: 09E Trans (Total fill)	10.4	11.0
All Road: 01V Trans	2.6	2.8
S4: 09L Trans	8.0 ³	8.3 ³
TT: 09G Trans (Total fill)	7.0	7.4
2006:		
A3, Quattro: 02E Trans	7.2	7.6
A4, Quattro:		
01V Trans	3.0	3.2
01J Trans	5.0	5.3
09L Trans	8.0 ³	8.3 ³
A6, Quattro:		
09L Trans	4.0 ³	4.2 ³
01J Trans	5.0	5.3
A8 Quattro: 09E Trans (Total fill)	10.4	11.0
S4: 09L Trans	8.0 ³	8.3 ³
TT: 09G Trans (Total fill)	7.0	7.4
2007:		
A3, Quattro: 02E Trans	7.2	7.6
A4, Quattro:		
01J Trans	5.0	5.3
09L Trans	8.0 ³	8.3 ³
A6, Quattro:		
09L Trans	4.0 ³	4.2 ³
01J Trans	5.0	5.3

CAPACITY, Initial Refill ^{1,2} :	Liters	Qt
A8 Quattro:		
09E Trans (Total fill)	10.4	11.0
09L Trans	8.0 ³	8.3 ³
Q7: 0AT, 09D Trans	9.0	9.5
S4: 09L Trans	8.0 ³	8.3 ³
S6, S8: 09E Trans	10.0	10.5
TT: 09G Trans (Total fill)	7.0	7.4
2008:		
A3, Quattro: 02E Trans	7.2	7.6
A4, Quattro:		
01J Trans	5.0	5.3
09L Trans	8.0 ³	8.3 ³
A5 Quattro: 06G Trans	9.0	9.5
A6, Quattro:		
09L Trans	4.0 ³	4.2 ³
01J Trans	5.0	5.3
A8 Quattro:		
09E Trans (Total fill)	10.4	11.0
09L Trans	8.0 ³	8.3 ³
Q7: 0AT, 09D Trans	9.0	9.5
S4: 09L Trans	8.0 ³	8.3 ³
SS: 06G Trans	9.0	9.5
S6, S8: 09E Trans	10.0	10.5
TT: 02E Trans	5.5	5.8
2009:		
01J Trans:		
A4	4.8	5.1
A6	5.0	5.3
02E Trans:		
A3	5.2	5.5
TT, Quattro	5.5	5.8
09D Trans:		
Q7	9.0	9.5
09E Trans:		
A8 Quattro	10.4	11.0
S6	10.0	10.6
09L Trans: ³		
A4 Quattro, A6 Quattro	8.0	8.5
A8 Quattro	9.8	10.3
S4	10.4	11.0
0AT Trans:		
Q7	8.6	9.1
0AW Trans:		
A4	5.0	5.3
0B6 Trans:		
A4 Quattro, A5 Quattro, Q5, S5	10.4	11.0
2010:		
A3, A3 Quattro 02E	5.5	5.8
A4 w/CVT	6.0	6.3
A4 Quattro S4, S5:		
w/DAW	6.0	6.3
w/0B5	6.7	7.0
w/0B6 (Total Fill)	10.4	11.0
w/0BK/OBL	4.0	4.2
A5, A5 Quattro:		
A5 w/DAW	6.0	6.3
A5 Quattro w/0BK/OBL	4.0	4.2
A6 Quattro, S6:		
A6 Quattro w/09L	8.0	8.5
S6 w/09E	10.0	10.6
Q5 w/0B6 (Total Fill)	10.4	11.0
Q7:		
w/09D (Total Fill)	9.0	9.5
w/0AT (Total Fill)	8.6	9.1
2011:		
A3, A3 Quattro 02E	5.5	5.8
A4 w/CVT	6.0	6.3
A4 Quattro S4, S5:		
w/DAW	6.0	6.3
w/0B5	6.7	7.0
w/0B6 (Total Fill)	10.4	11.0
w/0BK/OBL	4.0	4.2
A5, A5 Quattro:		
A5 w/DAW	6.0	6.3
A5 Quattro w/0BK/OBL	4.0	4.2
A6, A6 Quattro, S6:		
A6 w/01J (CVT)	5.0	5.3
A6 Quattro w/09L	8.0	8.5
S6 w/09E	10.0	10.6
Q5 w/0B6 (Total Fill)	10.4	11.0
Q5 w/0BK/OBL	4.0	4.2
Q7:		
w/0AT (Total Fill)	8.6	9.1
w/0C8 & Diesel (Total Fill)	12.8	13.5
2012-15:		
A3 (2012), A5, TT w/02E	5.5	5.8
A3 (2015) w/0D9	6.9	7.3
A4 w/DAW (2012)	5.5-6.0	5.8-6.3
A4 w/DAW (2013-15)	5.5-7.0	5.8-7.4
A4, Allroad, A5, A6, A7, A8, Q5, S7, S8: w/0BK/OBL	3.6-4.0	3.8-4.2
A4, Q5 (2012), 2006-12 S5 w/0B6 (Total fill)	10.4	11.0
A5, A6 2.0L w/DAW	5.5-6.0	5.8-6.3
Q3	7.0	7.4
Q7:		
Gas w/0C8 (Total fill): 2009-10	10.4	11.0
2011-15	10.6	11.2
Diesel w/0C8 (Total fill)	12.8	13.5
w/0AT (Total fill)	8.6	9.1
w/09D (Total fill)	9.0	9.5
RSS, RS7, S4, S5, S6 w/0B5	6.7	7.0
R8 7-speed	8.0	8.4
SC5, Q5 w/0BW	4.0	4.2

¹ Vehicle is not equipped with a transmission dipstick; special tools and procedure required. See manufacturer's service literature.

² Capacity does not include final drive or center differential.

³ To prevent overfilling at oil changes, add approx. 0.5L (0.5qt) less than capacity shown, start engine, let run until engine operating temperature is approx. 60°C (140°F), switch engine off, wait approx. 3 minutes, check dipstick, and fill to full mark as indicated on dipstick (may be more or less than 0.5L (0.5qt) depending on model).

⁴ Audi P/N G055025A2.

TRANSAXLE, Manual

All ex. 0B2, 086

w/0B2

R8 6-speed w/086

CAPACITY, Refill¹:

	Liters	Pt
2004:		
5-speed FWD	2.3	4.9
AWD	2.7	5.7
6 speed	2.5	5.3
A6: 5 speed 01A	2.7	5.7
6 speed 01E (-EDU)	2.5	5.3
Allroad, S6 01E (-EHS)	2.5	5.3
Allroad, S6 01E (-EEY)	3.6	7.6
TT 02J	2.0	4.2
TT Quattro 02M	2.6	5.4
2005:		
A4 w/01V trans	3.0	6.3
A4, A6 w/02X trans	3.0	6.3
A4, S4 w/0A3 trans	3.2	6.7
Allroad w/01E trans	3.6	7.6
TT, Quattro w/02M trans	2.6	5.5
2006-08:		
A3 w/02Q trans	2.3	4.9
A4 w/01X trans	3.0	6.3
A4 w/02X trans	3.5	7.4
A4, S4, RS4 w/0A3 trans	3.2	6.7
A5 Quattro	4.3	9.1
S5	3.5	7.4
TT w/02Y trans	2.6	5.4
TT 02E trans	2.3	4.9
2009-11:		
02E Trans:		
A3, TT, Quattro	5.2	11.0
02Q Trans:		
A3, TT, Quattro	2.3	4.9
086 Trans:		
R8 w/o cooler drained	3.5	7.4
w/cooler drained	4.0	8.5
0A3 Trans:		
S4	3.2	6.8
0B2 Trans:		
A4 Quattro, A5 Quattro	4.8	10.1
0B4 Trans:		
S5	3.8	8.0
2012-13:		
A3 (2012) w/02Q	2.3	4.9
A4, A5, S4, S5 w/0B2	4.8	5.1
S4, S5 w/0B4	3.8	4.0
R8: w/086 w/cooler drained	4.0	4.2
w/086 w/o cooler drained	3.5	3.7
TT w/0A6	2.3	2.4
2014-15:		
w/0B2: A4, S4,	4.8	5.1
A5, S5	4.5	4.7
w/0B4: S4, S5	3.8	4.0
w/0B6:		
R8:		
w/0Cooler drained	4.0	4.2
w/o cooler drained	3.5	3.7
¹ Includes final drive & center differential.		
FINAL DRIVE, Auto. Trans.		
2004-09:		
ex. CVT	Synthetic 75W-90 GL-4	
w/CVT, 01J		SL008
2008-15 A8, S8	Synthetic 75W-90 GL-4	
2010-15 A4, A4 Allroad, A5, A5 Quattro, S4, S5		
A4 w/0AW CVT		SL139
w/0B5		GLS06
2011-15 w/0B6, 0BK/OBL	75W-90 GL-4	
2011-15 A6 Quattro, S6		
w/09L		GLS06
w/09E		SL013
A6 w/01J CVT		SL008
2012-15 A6:		
w/0AW CVT		SL139
w/0BK		75W-90 GL-4
2009-15 Q5 w/0B6, 0BK/OBL	75W-90 GL-4	
2013-15 w/0BW	Synthetic 75W-90 GL-4	
2007-15 Q7	75W-90 GL-4	
2008-15 R8	Synthetic 75W-90 GL-4	
2013-15 S6 w/0B5	Synthetic 75W-90 GL-4	
CAPACITY, REFILLS:		
	LITERS	PT
A4, A4 Allroad, A5, A5 Quattro, S4, S5:		
2004-07 w/01V	0.8	1.7
2004-09 w/01J	1.3	2.7
2005-09 A4, S4 w/09L trans	1.1	2.3
2010-15 w/0AW	1.1	2.3
2010-15 S4, 2010 S5 w/0B5	5.0	10.6
2010-13 w/0B6	1.0	2.1
2011-15 w/0BK, OBL	1.0	2.1

CARS & LIGHT TRUCKS

AUDI Continued • BMW

CAPACITY, REFILL:	LITERS	PT
A6, A6 Quattro, Allroad, S6:		
2004-05 w/D1J	1.3	2.7
2012-15 A6 w/DAW CVT	1.1	2.3
2010-11 A6 w/D1J CVT	1.3	2.7
2004-09 w/D1L	1.3	2.7
2004-09 w/D1V	0.8	1.7
2012-15 w/OBK	0.9	1.9
2004-09 A6 w/O9L	1.3	2.7
2010-11 A6 Quattro w/O9L	1.1	2.3
2010-11 S6 w/O9E	1.2	2.5
2013-15 w/OB5	1.0	2.1
A7 2012-15 w/OBK	0.9	1.9
A8, S8:		
w/D1L	1.3	2.7
w/D1V	0.8	1.7
w/O9E	1.2	2.5
2007-15 A8, 2013-15 S8	1.1	2.3
Q5 (Front) 2009-15	1.0	2.1
Q7 (Front) 2007-15	1.0	2.1
RS7: 2014-15	0.9	1.9
R8	1.3	2.7
S6 2013-15:		
Front	1.0	2.1
Rear	0.9	1.0
S8:		
2007-08	1.2	2.5
2009	1.1	2.3
TT	0.9	1.9
CENTER DIF, Auto. Trans		
All	Synthetic 75W-90 GL-4	
CAPACITY, Refill:	Liters	Pt
A4, S4 2004-07	0.8	1.7
A6, Allroad, S6: w/D1L trans	0.8	1.7
w/D1V trans	0.8	1.7
w/O9L trans	0.9	1.8
A8, S8: w/D1L trans	0.9	1.9
w/D1V trans	0.8	1.7
w/O9E trans	1.1	2.3
w/O9L trans	0.9	1.8
Q7	0.8	1.7
TT w/Haldex Clutch	0.2	0.4
TRANSFER CASE		
A3 Quattro:		
w/Bevel Box	Synthetic 75W-90 GL-4	
w/Haldex Clutch:		
2009-13	GLS09	
2015	SL137	
A4, A5 Quattro, Allroad, S4, S5:		
2010-12 w/OB6	SL016	
2011-14 S5 w/OB5	GLS06	
2015 S5 w/OB5	Synthetic 75W-80 GL-4 ²	
2011-15 w/OBK/OBL	SL013	
A6 Quattro 2005-15	SL013	
A7 2012-15	SL013	
A8 Quattro:		
2009-10 w/O9L	Synthetic 75W-90 GL-4	
2011-15 w/OBK	SL013	
Q3: w/Bevel Box	Synthetic 75W-90 GL-4	
w/Haldex Clutch	GLS09	
Q5, Q7, SQ5:		
2007-10 Q7	AE	
2009-10 Q5	SL013	
2011-15 Q5, SQ5 w/OBK/OBL	SL013	
2011 Q5 w/OB6	SL016	
2012 Q5 w/OB6	GLS07	
2013-15 Q5 w/OBW	SL013	
2011-15 Q7	SL010	
RS5: 2013-14	GLS06	
2015 RS5	Synthetic 75W-80 GL-4 ²	
RS7: 2014-15	GLS10	
S6:		
2010-11 w/O9E	SL013	
2013-15	GLS10	
S7, S8: 2013-15	SL013	
TT (Haldex Clutch)	GLS09	
TT (Bevel Box)	Synthetic 75W-90 GL-4	
CAPACITY, Refill:	Liters	Pt
A3 Quattro:		
Bevel Box	0.9	1.9
Haldex Clutch	0.6	1.4
A5 Quattro w/OBK/OBL	1.0	2.1
A6 Quattro 2005-11 w/O9L	0.6	1.4
A6 Quattro 2012-15	0.9	1.8
A7 2012-15	0.9	1.9
A8 Quattro:		
2009	0.5	1.0
2010	0.6	1.3
2011-15 w/separate oiling	1.0	2.1
2011-15 w/common oiling & F/Drive	2.0	4.2
Allroad, A4 Quattro, S4	1.0	2.1
Q3: Haldex Clutch	0.7	1.5
Bevel Box	0.9	1.9
Q5, SQ5:		
2009-10	0.5	1.0
2011-15	1.0	2.1

CAPACITY, Refill:	Liters	Pt
Q7:		
2007-10	0.9	1.9
2011-15	0.65	1.4
RS7: 2014-15	4.41	9.31
2011-14 S5, RS5 w/OB5	5.0	10.5
2015 S5, RS5 w/OB5	4.3	4.5
S5 w/OB6	1.0	2.1
S6:		
2010-11 w/O9E	1.2	2.5
2013-15	4.41	9.31
ST 2013-15	0.9	1.9
S8:		
2013-15 w/separate oiling	1.0	2.1
2013-15 w/common oiling & F/Drive	2.0	4.2
TT:		
Bevel Box	0.9	1.9
Haldex Clutch: 2003-06	0.2	0.4
2007-15	0.7	1.5
¹ New fill capacity.		
² Audi Fluid P/N G052532A2.		
REAR DIFFERENTIAL		
A3 Quattro	75W-90 GL-4	
Q3	Synthetic 75W-90 GL-4	
2008-15 TT	75W-90 GL-4	
ex. 2004-07 A4, S4	Synthetic 75W-90 GL-4	
2004-07 A4, S4	90 GL-5	
2010-15 A4 Quattro, Allroad, S4:		
Manual: All	Synthetic 75 W-85 GL-4	
Automatic:		
All ex. OB2 Trans		
w/OBF/ATF	Synthetic 75W-90 GL-4	
OB2 Trans w/OBF/ATF	TTV	
CAPACITY, Refill:	Liters	Pt
2004:		
A4:		
01R diff	1.5	3.2
A6, Allroad, S6:		
A/T	1.9	4.0
M/T	1.5	3.2
Cabriolet	1.0	2.1
S4:		
2004:		
01R diff	1.5	3.2
01V diff	1.8	3.8
w/MT 01A-01R diff	1.9	4.0
w/MT 01H	1.5	3.2
TT:		
2004:		
01R diff	1.5	3.2
01V diff	1.8	3.8
2005-07:		
A4, S4: w/AT 01R	1.5	3.2
w/MT 01R	1.9	4.0
w/MT 012/01W	2.3	4.6
A6: w/AT	1.5	3.2
w/MT	1.9	4.0
Allroad: w/AT	1.9	4.0
w/MT	1.5	3.2
TT w/O2D diff	1.0	2.1
Q7	1.3	2.7
2006-12, 2015 A3 Quattro	1.0	2.0
2007-09 w/OAR	0.9	1.9
2008 RS4	0.9	1.9
2008-09 A5 Quattro, S5	0.9	1.9
2007-08 S6 w/O1R	1.5	3.2
2007-09 S6 w/OAR	0.9	1.9
2009-10 Q5	1.0	2.1
2013 Q5 w/OBW	0.9	1.9
2011-12 Q5 w/OB6 Trans	1.0	2.1
2011-15 Q5 w/OBK/OBL Trans	1.1	2.3
2008-12 Q7	1.3	2.7
2013-15 Q7	0.9-1.1	1.9-2.3
2008 TT	0.9	1.9
2010-15 TT	1.0	2.0
2010-15 A4 Quattro, Allroad, S4		
Manual:		
2010-15 w/OB2 Trans & OBC diff	0.9	1.9
2010-15 w/OB2 Trans & OBD diff	1.0	2.1
2010-15 w/OB4 Trans	1.0	2.1
Automatic:		
2010-12 w/OB6 Trans & OBC, OBF/ATF diff	0.9	1.9
2010-12 w/OB6 Trans & OBD, OBF diff	1.0	2.1
2010-15 w/OB5 Trans	0.9	1.9
2011-14 w/OBK/OBL Trans	1.1	2.3
2015 w/OBK/OBL Trans	1.0	2.1
2010-15 A5 Quattro, S5, S6		
Manual:		
2010-14 A5 Quattro		
w/OB2 Trans	1.0	2.1
2010-14 S5 w/OB4 Trans	0.9	1.9
2015 w/OB2, OB4	0.9	1.9
Automatic:		
2011-15 A5 Quattro OBK/OBL Trans	1.1	2.3
2010-11 A6 Quattro w/O9L	0.9	1.9
2010-15 S5 w/OB5 Trans	0.9	1.9
2010-12 S5 w/OB6 Trans & OBC diff	0.9	1.9
2010-12 S5 w/OB6 Trans & OBD diff	1.0	2.1
2010-11, 2013-15 S6	0.9	1.9
A6 2012-15	0.9	1.9

CAPACITY, Refill:	Liters	Pt
RS5 2013-15 w/OB5	0.9	1.9
A7, RS7, ST 2012-15	0.9	1.9
A8, S8:		
2004-07 A8 Quattro, S8 ex. OAR	1.5	3.2
2007-09 w/OAR	0.9	1.9
2009-10 w/O1R diff	1.5	3.2
2011-15	0.9	1.9
OTHER COMPONENTS		
Brake & Clutch Master Cylinder	HBH	
Driveshaft, Quattro	LAI	
Power Steering		
2004-11	PS006	
2012-15 ex. w/Electric	PS005	

BMW

2004-14		
CRANKCASE		
Gas	SEO07	
Diesel	SEO08	
2004-07 All temperatures ex. M Series	5W-30, 5W-40	
2008:		
128, 135, 328i X6		
All temperatures	0W-30, 0W-40, 5W-40, 5W-30	
328X0, 335, 528, 535, 650, 750, 760, X3, X5, Z4		
All temperatures	5W-30, 5W-40	
2009-14 All temperatures	0W-30, 0W-40, 5W-40, 5W-30	
2004-13 M Series, 2006-08 Z4 M Series,		
ex. 2013 M5, 2012-13 M6	10W-60	
2013-14 M5	0W-30, 0W-40, 5W-40, 5W-30	
2012-14 M6	0W-30, 0W-40, 5W-40, 5W-30	
CAPACITY, Refill^{1,2}:	Liters	Qt
2011-12: 1 Series M Coupe	6.5	6.9
128	6.5	6.9
135, 135s	6.5	6.9
228i	5.0	5.3
320i	5.0	5.3
320xd	4.8	5.1
325		
2004-05: RWD	6.5	6.9
AWD	7.5	7.9
2006-07	6.5	6.9
328, 328xi ex. F30 models	6.5	6.9
328d, 328xd	5.2	5.5
328i F30 model	5.0	5.3
328xi F30 model	4.8	5.1
330 2004-05: RWD	6.5	6.9
AWD	7.5	7.9
2006-07	6.5	6.9
335d	7.3	7.7
335i, 335is, 335xi	6.5	6.9
428i	5.0	5.3
428xi	4.8	5.1
435i	6.5	6.9
435xi	6.5	6.9
525	6.5	6.9
528 2008-10	6.5	6.9
528i 2011 w/o Aux Cooler	6.5	6.9
w/Aux Cooler	7.0	7.3
528i 2012-14	5.0	5.2
528xi 2012-14	4.8	5.1
530	6.5	6.9
535d, 535xd: 2014	6.5	6.9
535i, 535xi	6.5	6.9
540	7.5	7.9
545	8.0	8.2
550, 550xi: 2006-10	8.0	8.2
2011-12	8.5	9.0
2013-14	9.5	10.0
640i, 640xi	6.5	6.9
645	8.0	8.2
650, 650xi: 2006-10	8.0	8.2
2012-14	9.5	10.0
2007-08: Alpina B7	8.75	9.2
2011 Alpina B7	8.5	9.0
2011-14: 740	6.5	6.9
745	8.0	8.5
2006-08: 750	8.0	8.5
2009-12: 750	8.5	9.0
2013-14: 750	9.5	10.0
2004-08: 760	8.5	9.0
2010-14: 760, 760Li	10.8	11.4
Active Hybrid 3: 2013-14	6.5	6.9
Active Hybrid 5: 2012-14	6.5	6.9
Active Hybrid 7: 2013-14	6.5	6.9
M235i	6.5	6.9
M3: 2004-06	5.5	5.8
2008-13	8.8	9.3
M5: 2006-up to 03/2007	9.3	9.8
After 03/2007-10	9.8	10.35
2013-14	8.5	9.0
M6: 2006-up to 03/2007	9.3	9.8
After 03-2007-10	9.8	10.35
2012-14	8.5	9.0
X1: 2.0L w/o xDrive	5.0	5.3
2.0L w/xDrive	5.5	5.8
3.0L	6.5	6.9

CARS & LIGHT TRUCKS

BMW Continued

CAPACITY, Refill ^{1,2} :	Liters	Qt
2004-06	6.2	6.6
2007-10 w/o Aux Cooler	6.5	6.9
w/Aux Cooler	7.0	7.3
2011-12	6.5	6.9
2013-14:2.0L	4.8	5.1
3.0L	6.5	6.9
XS:		
3.0L 2004-06	7.5	8.0
3.0L Dies: 2009-13	7.3	7.7
2014	6.5	6.9
3.0L 2007-12 ex. Turbo	6.5 ³	6.9 ³
3.0L Turbo 2008-13	6.5	6.9
4.4L:		
Ex. Turbo: 2004-08	7.5	8.0
Turbo:		
2010-13 S63 Engine	8.5	9.0
2011-14 N63 Engine	9.0	9.5
4.6L	8.0	8.5
4.8L	8.0	8.5
2010-13: X5 M	8.5	9.0
X6 2008-14:		
3.0L	6.5	6.9
4.4L	9.0	9.5
2009-11: Hybrid	8.5	9.0
2013-14: X6 M	8.5	9.0
Z3:		
ex. M Coupe, Roadster:		
2.5L	5.0	5.3
3.0L	5.0	5.3
M Coupe, Roadster	5.0	5.3
Z4: ex. M Coupe, Roadster	6.5	6.9
M Coupe, Roadster	5.5	5.8
2011 Z4 w/o Aux Cooler	6.5	6.9
w/Aux Cooler	7.0	7.3
2012-14 Z4: 2.0L	5.0	5.3
3.0L	6.5	6.9

1 Capacity shown includes filter. After refill, check oil level. Additional oil may be needed if oil cooler is drained.
2 Some models use electronic oil level checking and do not have a dipstick. Refer to the owner's manual for procedure.
3 If oil cooler is drained, add 0.5L (0.5 qt).

CAPACITY, Initial Refill ^{1,2,3} :	Liters	Qt
530i: ZF8 HP19	4.0	4.2
535i & X: ZF8 HP19Z	4.0	4.2
GAGL4SR	4.0	4.2
540i: ZF5 HP24	4.0	4.2
545i: ZF6 HP26	4.0	4.2
550i: ZF6 HP26	4.0	4.2
645i: ZF6 HP26	4.0	4.2
650i: ZF6 HP26	4.0	4.2
650i: ZF6 HP26	4.0	4.2
740i & L: ZF5 HP24	4.0	4.2
745i & L: ZF6 HP26	4.0	4.2
750i: ZF6 HP26	4.0	4.2
ZF6 HP32	5.0	5.3
750i: ZF5 HP24	4.0	4.2
ZF5 HP30	5.5	5.8
750i: ZF6 HP26	4.0	4.2
ZF6 HP32	5.0	5.3
760i & L: ZF6 HP26	4.0	4.2
ZF6 HP32	5.0	5.3
X3: 5L4CE	4.0	4.2
6L4SE	6.2	6.5
XS:		
2004-06: w/3.0L: 5L40E	4.0	4.2
w/4.4 & 4.8L: ZF6 HP26	4.0	4.2
Z3: 5L4CE	4.0	4.2
Z4: ZF5 HP19Z	4.0	4.2
2010-14: 2.3:		
128i GAGL4SR	9.5	10.0
135i, 135si GAGP-P19Z	9.0-10.0	9.5-10.6
G57D06SG	7.8 ³	8.25 ³
228i: GAGP-P45Z	8.5 ³	9.0 ³
320i, 320i GAGP-P45Z	8.5 ³	9.0 ³
328i, 328i GAGP-P45Z	8.5 ³	9.0 ³
328i AGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P45Z	8.5 ³	9.0 ³
328i AGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P45Z	8.5 ³	9.0 ³
335i AGP-P26Z	9.0-10.0	9.5-10.6
335i AGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P45Z	8.5 ³	9.0 ³
335i AGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P45Z	8.5 ³	9.0 ³
335i, M3: G57D06SG	7.8 ³	8.25 ³
M3 GTS	8.8 ³	9.3 ³
428i, 428i GAGP-P45Z	8.5 ³	9.0 ³
435i, 435i GAGP-P45Z	8.5 ³	9.0 ³
528i GAGP-P19Z	9.0-10.0	9.5-10.6
528i GAGP-P19Z	9.0-10.0	9.5-10.6
528i: GAGP-P45Z	8.5 ³	9.0 ³
535i, 535i: GAGP-P45Z	8.5 ³	9.0 ³
535i GAGP-P19Z	9.0-10.0	9.5-10.6
535i GAGP-P19Z	9.0-10.0	9.5-10.6
535i: GAGP-P45Z	8.5 ³	9.0 ³
550i, 550i: GAGP-P26Z	9.0-10.0	9.5-10.6
GAGP-P70Z	8.5	9.0
640i, 650i, 650i AGP-P26Z	9.0-10.0	9.5-10.6
640i, 640i, 650i, 650i GAGP-P45Z	8.5 ³	9.0 ³
740i, 740i GAGP-P45Z	8.5 ³	9.0 ³
740i, 740i GAGP-P19Z	9.0-10.0	9.5-10.6
750i AGP-P26Z	9.0-10.0	9.5-10.6
750i Hybrid GAGP-P70Z	8.5 ³	9.0 ³
750i: AGP-P26Z	9.0-10.0	9.5-10.6
GAGP-P70Z	8.5 ³	9.0 ³
760i GAGP-P90Z	10.0 ³	10.5 ³
Active Hybrid 3: GAGP-P70H	NS	NS
Active Hybrid 5: GAGP-P70H	NS	NS
Active Hybrid 7: GAGP-P70H	NS	NS
M5: G57D06SG	8.8 ³	9.3 ³
M6 2012-14 G57D06SG	NS	NS
X1: GAGP-P19Z	9.5 ³	10.0 ³
GAGP-P45Z	8.5 ³	9.0 ³
X3 GL45	9.5	10.0
X3 GAGP-P45Z	8.5 ³	9.0 ³
X5: GAGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P26Z	9.0-10.0	9.5-10.6
GAGP-P70Z	8.5 ³	9.0 ³
GAGP-P45Z	8.5 ³	9.0 ³
X6: GAGP-P19Z	9.0-10.0	9.5-10.6
GAGP-P26Z	9.0-10.0	9.5-10.6
X6 50i Hybrid GAGP-P45Z	12.0	12.7
X6 35i GAGP-P45Z	8.5 ³	9.0 ³
X5 50i GAGP-P70Z	8.5 ³	9.0 ³
Z4 AGP-P19Z	9.0-10.0	9.5-10.6
G57D06SG	7.8 ³	8.25 ³
GAGP-P45Z	8.5 ³	9.0 ³

1 Transmissions with dipstick: With engine at operating temperature, shift transmission through all gears. Remove fill plug, check level in PARK and add fluid as required. Install fill plug.
2 Transmissions without dipstick require special procedures to check fluid levels; refer to the Transmission Fluid Service Guide appendix for procedures.
3 Capacity is total or dry fill.

CAPACITY, Refill:	Liters	Pt
2004-09:		
128	1.3	2.7
135	1.5	3.2
325i, 325i Sportwagon, 325xi, 325xi w/5-Spd S5D 250G	1.2	2.5
w/6-Spd GS6S37BZ, GS6C37BZ	1.6	3.4
328i: w/6-Spd GS6S37BZ	1.6	3.4
330i, 330i Sportwagon 330ci 330xi, 335i, 335xi:		
w/5-Spd S5D 310Z, S5D 320Z	1.2	2.5
w/6-Spd GS6S37BZ, GS6C37BZ	1.6	3.4
525i, 525i Sportwagon, 525xi, 528i:		
w/5-Spd S5D 310Z, S5D 320Z	1.2	2.5
w/6-Spd: GS6S17BZ	1.3	2.7
GS6S37BZ	1.6	3.4
GS6C37BZ	1.5	3.2
530i, 530i, 535i, 535xi:		
w/5-Spd S5D 310Z, S5D 320Z	1.2	2.5
w/6-Spd: GS6S37BZ	1.6	3.4
GS6C37BZ	1.5	3.2
540i: w/6-Spd S6S 420G	1.7	3.6
545i: w/6-Spd GS6S53BZ	1.6	3.4
550i: w/6-Spd GS6S53BZ	1.5	3.2
645ci: w/6-Spd GS6S53BZ	1.6	3.4
650i: w/6-Spd GS6S53BZ	1.5	3.2
M3, M5: w/6-Spd S6S 420G	1.7	3.6
M5, M6: w/7-Spd GS7S47BG	2.5 ¹	5.3 ¹
X3: w/6-Spd GS6C37BZ	1.5	3.2
X5: w/5-Spd S5D 280Z	1.0	2.1
w/6-Spd GS6S37BZ	1.5	3.2
Z3: w/5-Spd S5D 250G		
w/2.5L	1.0	2.1
w/3.0L	1.2	2.5
M Roadster, Coupe	1.2	2.5
Z4: ex. 6-Spd GS6S37BZ	1.0	2.1
w/6-Spd GS6S37BZ	1.5	3.2
2010-14:		
1 M Coupe GS6-45BZ	1.0-1.2	2.1-2.5
128i GS6-17BG	1.3	2.7
135i, 135si GS6-45BZ	1.0-1.2	2.1-2.5
135i GS6-53DZ	1.5	3.2
228i GS6-17BG	1.3	2.7
320i, 320i GS6-17BG	1.3	2.7
328i GS6-17BG	1.3	2.7
328i GS6C37BZ	1.5	3.2
335i GS6-53BZ	1.5	3.2
335i GS6-45BZ	1.0-1.2	2.1-2.5
335i si GS6S30Z	1.5	3.2
335i si GS6-45BZ	1.0-1.2	2.1-2.5
335si GS6-53BZ	1.5	3.2
435i GS6-45BZ	1.2	2.5
435i si GS6X45BZ	1.2	2.5
528i GS6-17BG	1.3	2.7
528i si GS6C37BZ	1.5	3.2
535i GS6-45BZ	1.0-1.2	2.1-2.5
535i GS6-53DZ	1.5	3.2
535i si GS6S30Z	1.5	3.2
550i GS6-53BZ	1.5	3.2
650i GS6-53BZ	1.5	3.2
M3 GS6-53BZ	1.5	3.2
M5 GS6-53BZ	1.6	3.4
M6 GS6-53BZ	1.6	3.4
X3 GS6C37BZ	1.5	3.2
Z4 GS6-17BG	1.3	2.7
Z4 GS6-53BZ: 2010-11	1.4	3.0
2012-14	1.5	3.1

1 Contact BMW for fluid type.

TRANSFER CASE

Model	Liters	Pt
NV 125	0.16	0.3
All others		GLS70

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CARS & LIGHT TRUCKS

BMW Continued • BUICK

CAPACITY, Refill:	Liters	Pt
428xi, 435xi	0.4	0.8
528xi	0.5	1.1
535xi, 535xi	0.5	1.1
550xi	0.45	0.95
640xi, 650xi	0.4	0.8
750xi, 750Lxi	0.45	0.95
X1	0.4	0.8
X3: 2010	0.7	1.5
2011-14	0.6	1.3
X5, X6: ATC450	0.7	1.4
ATC45L	0.6	1.3
ATC500	0.8	1.7
ATC700	0.9	1.9
DIFFERENTIAL		
1 Series:	GLS15	
2,4 Series:	GLS24	
3 Series:		
2004-14 ex. M3	GLS24	
2004-13 M3	GLS23	
5, 7 Series ex. M5	GLS24	
M5	SL147	
6 Series: w/o LSD	GLS24	
w/LSD	SL147	
X1, X3	GLS24	
X5, X6:		
Standard	GLS24	
w/Dynamic Axle:		
Right, Left	GLS60	
Center	GLS24	
Z4:		
2004-14:	GLS24	
Standard	GLS24	
CAPACITY, Refill:		
2004-09:	Liters	Pt
1 Series: 188L, LW	1.0	2.1
215L, LW	1.2	2.6
3 Series ex. M3		
2004-05:		
325i, Ci, 330i, Ci	1.0	2.1
325xi, 330xi: Front Differential	0.6	1.3
Rear Differential	1.0	2.1
2006-09:		
328i, Ci, 330i, Ci	1.0	2.1
328xi, 330xi: Front Differential	0.6	1.3
Rear Differential	1.0	2.1
335i, 335i Coupe	1.2	2.3
5 Series, ex. M5:		
2004-09:		
525i, 528i, 530i, 535	1.2	2.3
545i, 550i	1.4	2.9
525xi, 525xi, 530xi, 535xi		
Front Differential	0.6	1.3
Rear Differential	1.2	2.3
6 Series, ex. M6	1.4 2.9	
7 Series:		
2004-09:		
745i, 750i & Li	1.4	2.9
760i, Li	1.5	3.2
M3	1.2 2.5	
M5, M6:		
2006-07: 188L	1.0	2.1
188K	1.2	2.5
215N	1.1	2.3
215K	1.4	2.9
2008-09	1.1	2.3
X3: Front Differential	0.7	1.5
Rear Differential: 2.5L	0.9	1.9
3.0L	1.0	2.1
X5: Front Differential	0.6	1.3
Rear Differential:	1.2	2.5
3.0L, 4.4L, 4.6L	1.2	2.5
4.8L	1.6	3.4
Z3:		
ex. M Coupe, Roadster: 2.5L	0.9	1.9
3.0L	1.2	2.5
M Coupe, Roadster	1.2	2.5
Z4:		
ex. M Coupe, Roadster:		
2004-05	1.0	2.1
2006-07: 2.5L	0.8	1.7
3.0L	1.0	2.1
M Coupe, Roadster	1.2	2.5
2010-14:		
Front:		
320xi	0.6	1.2
328xi	0.6	1.2
328xi	0.6	1.2
328xi	0.6	1.2
335d	0.6	1.2
335xi	0.6	1.2
428xi, 435xi	0.6	1.2
528xi	0.6	1.2
535xi, 535xi	0.6	1.2
550xi	0.6	1.2
640xi, 650xi	0.6	1.2
750xi	0.6	1.2
750Lxi	0.6	1.2
Alpina B7k	0.6	1.2
X1	0.6	1.2
X3 2010	0.7	1.5
X3 2011-14	0.6	1.2

CAPACITY, Refill:	Liters	Pt
X5, X5M	0.6	1.2
X6, X6M	0.6	1.2
Rear:		
M1 Coupe, 135is	1.2	2.5
128i, 135i, Z4:		
188L	1.0	1.2
188LW	0.85	1.8
215L, 215LW	1.2	2.5
228i	0.8	1.7
320i, 320xi	0.9	1.9
328xi, 328xi, 328xi, 335xi, 335xi, 335xi, Active Hybrid 3:		
168L	0.8	1.7
188L	1.0	2.1
188LW	0.85	1.8
215L	1.2	2.5
215LW	0.9	1.9
428i, 428xi	0.8	1.7
435i, 435xi: w/A/T	0.8	1.7
w/M/T	0.9	1.9
2010-11 528i, 528xi, 535i, 535xi, 550xi, 550i (4.8L):		
188L	1.0	2.1
188LW	0.85	1.8
188K	1.2	2.5
215L, 215LW	1.2	2.5
215K	1.4	2.9
2012-14 5 Series: 225AL	0.9	1.9
220M	1.0	2.2
205AL	0.8	1.7
2011-14 640i, 640xi, 650i, 650xi:		
188L	1.0	2.1
215K	1.4	3.0
205AL	0.8	1.7
225AL	0.9	1.9
740L, 750L, 750xi, 750Li, 760Li, Active Hybrid 7:		
205AL	0.8	1.7
225AL	0.9	1.9
235AL	1.2	2.5
M235i	0.9	1.9
M3, M5:		
188L	1.0	2.1
188LW	0.85	1.8
188K	1.2	2.5
215L, 215LW	1.2	2.5
215N	1.1	1.3
220M	1.0	2.1
X1: 168L	0.8	1.7
188LW	0.9	1.9
X3:		
168K	0.9	1.9
188K: 2010-11	1.0	2.1
2012-14	0.9	1.9
188LW	0.9	1.9
215L/W	0.9	1.9
X5:		
188L	1.0	2.1
188LW	0.9	1.9
188K	1.2	2.5
215L, 215LW ex. 2014	1.2	2.5
215LW 2014	0.9	1.8
X6 35i, 50i, X6 M:		
QMVA Middle	1.0	2.1
QMVA Left	0.5	1.1
QMVA Right	0.6	1.3
X6 50i Hybrid	1.2	2.5
Z4:		
168K	0.9	1.9
168L	0.8	1.7
188L	1.0	2.1
215L	1.2	2.5
215LW	1.2	2.5
OTHER COMPONENTS		
Brake & Clutch Master Cylinder	HBH	
Front Wheel Bearings	GC	
Power Steering	AF3	
w/Hydroboost	PS006	
w/Self-Leveling Suspension	PS006	
Throttle Linkage; Door, Hood & Trunk Latch	LM	

BUICK		
ENCLAVE, RAINIER, RENDEZVOUS & TERRAZA—SEE CHEVROLET & GMC TRUCKS		
2004-15 ALL EX. ENCLAVE, RAINIER, RENDEZVOUS 2015 CHEVROLET TRAX CRANKCASE		
2004-10	.SE023	
2011-15	.SE020	
3.8L V6 Codes 1, K:		
2004-10 All temperatures	.5W-30 ^{2,3}	
All others:		
Above 0°F (-18°C)	.10W-30	
All temperatures	.5W-30 ^{2,3}	
2005-10 Below -20°F (-29°C)	.Synthetic 5W-30 or 0W-30 ³	
2011-15 All temperatures	.5W-30	
CAPACITY, Initial Refill:		
	Liters	Qt
2004-09:		
3.1L	4.3	4.5
3.4L	4.3	4.5
3.6L	5.2	5.5
3.8L (2004-08)	4.3	4.5
3.8L (2009)	4.7	5.0
3.9L	3.8	4.0
4.6L	7.1	7.5
5.3L	5.7	6.0
2010-15:		
1.4L	4.0	4.2
1.8L	4.5	4.8
2.0L Verano	6.0	6.3
2.0L Regal: 2010-13	6.0	6.3
2014-15 FWD	4.7	5.0
2014-15 AWD	5.7	6.0
2.4L	4.7	5.0
3.0L	5.7	6.0
3.6L (2010-11)	5.2	5.5
3.6L (2012-15)	5.7	6.0
3.9L	3.8	4.0
4.6L	7.0	7.4
5.3L	5.7	6.0
1 Capacity shown is with filter. Recheck oil level after filling.		
2 Preferred.		
3 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil meeting GM standard GM6094M.		
TRANSMISSION/TRANSAXLE		
All ex. AF40-6	.AF6	
AF40-6	.SL036	
CAPACITY, Initial Refill:		
	Liters	Qt
4L60	4.7	5.0
4T60, 4T65, 4T80	7.0	7.4
6T40, 6T45, 6T502, 6T70	3	3
AF40-6 ²	NS	NS
1 With the engine at operating temperature, shift transmission through all gears. Let engine slow in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.		
2 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.		
3 Service Fill: 4.0-6.0L (4.2-6.3 qt).		
TRANSMISSION/TRANSAXLE, Manual		
Encore, Verano	.GLS36	
Regal: 2011-12	.GLS38	
2013-15	.GLS36	
CAPACITY, Initial Refill:		
	Liters	Qt
Encore	1.8	3.3
Regal	1.7	3.5
Verano	1.7	3.5
DIFFERENTIAL		
2010-15 ex. Encore, Trax:		
Differential Clutch Fluid	.SL134	
Rear Axle Fluid	.SL136 ¹	
Encore, Trax	.SL146	
CAPACITY, Refill:		
	Liters	Pt
2010-15 ex. Encore, Trax:		
Rear: Rear Axle Fluid	0.7	1.4
Differential Clutch Fluid	0.6	1.2
Encore, Trax: Rear	0.5	1.1
1 Add 1.69 oz of limited slip additive GM PN 889900330 or equivalent.		
LIMITED-SLIP IDENTIFICATION:		
Tag under rear cover-attaching bolt		
TRANSFER CASE		
2010-15: All except Encore, Regal, Trax	.GLS22	
Encore, Regal, Trax	.SL037	
CAPACITY, Refill:		
	Liters	Pt
2010-15: All except Encore, Trax	0.7	1.3
Encore, Trax	0.4	0.9
OTHER COMPONENTS		
Brake Fluid Reservoir ¹ : All ex. Encore	.HB	
Encore	.HBH	
Clutch Fluid Reservoir: All ex. Encore	.HB	
Encore	.HBH	
Power Steering: 2003	.PS003	
2004-09	.PS004	

CARS & LIGHT TRUCKS

BUICK Continued • CADILLAC • CHEVROLET

2010-15 Vehicles w/Hydraulic Power SteeringAF6
 1 2015 Chevrolet Trax, check brake fluid reservoir cap for correct brake fluid.

CADILLAC

ESCALADE—SEE CHEVROLET & GMC TRUCKS

2004-15 ALL MODELS

EX. ESCALADE, 2014-15 CTS, 2014 ELR MODELS, 2014-15 XTS CRANKCASE

2004-10	.....	SEO22
2011-15	.....	SEO20
2004-07: All temperatures	.....	5W-30 ¹
2008-15: All temperatures ex. 2.5L	.....	5W-30 ²
All temperatures 2.5L	.....	5W-20
CAPACITY, Refill¹:	Liters	Qt
2.0L w/AWD	5.7	6.0
2.0L w/RWD	4.7	5.0
2.5L	4.7	5.0
2.8L	5.7	6.0
3.0L	5.7	6.0
3.2L	4.8	5.0
3.6L	5.7	6.0
4.4L, STS	8.5	9.0
4.4L, XLR	7.6	8.0
4.6L All ex. DTS	7.6	8.0
4.6L DTS	7.1	7.5
5.7L, 2004-05	6.2	6.5
6.0L	7.6	8.0
6.2L	5.7	6.0

1 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil meeting GM standard GM6094M.

2 Capacity shown is with filter. Add oil as necessary.

3 Preferred.

TRANSMISSION/TRANSAXLE, Automatic

All Except 2010-11 SRX w/2.8L engineAF6
 2010-11 SPX w/2.8L engineSL036

CAPACITY, Initial Refill¹:	Liters	Qt
4L60	4.7	5.0
4L80-E2	7.0	7.4
5L40-E, 5L50-E3	4.7	5.0
6L45	6.0 ²	6.4 ³
6L50/6L80	6.3	6.7
6L90-E3	6.3	6.7
6T70/75	4	4
AF40-63 ³	6.7	7.3
2004-06 5L50 XLR	8.9 ⁴	9.4 ²
2006-07 6L80 Except XLR	6.2	6.5
2006-09 6L80 XLR	6.2	6.5
2007 6L50	6.8	7.3
2008-13 6L45, 6L50, 6L80, 6L90		
ex. ATS	6.3	6.7
2013-15 6L45 ATS	6.0	6.4

1 With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for at least 3 minutes. Check fluid level and add fluid as needed.

2 Total Fluid.

3 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See Appendix in Transmission Fluid Service Guide for fill and checking procedures.

4 Service Fill: 4.0-6.0L (4.2-6.3 qt).

TRANSMISSION/TRANSAXLE, Manual

CAPACITY, Initial Refill¹:	Liters	Qt
AY6		
2005-07	.....	75W-90 GL-3
2008-13	.....	75W-90 GL-5
M35, Tremec ex. ATS	.....	GLS37
Tremec ATS	.....	AF6
CAPACITY, Initial Refill¹:	Liters	Qt
AY6	1.8	3.8
M35	1.3	2.7
Tremec 6 Speed:		
2004-07	4.4	9.3
2009-15	3.5	7.4

DIFFERENTIAL

CTS, 2004-08 SRX, STS		
w/Limited Slip	.....	75W-90 GL-5*
XLR: 2004-08	.....	75W-90 GL-5*
2009	.....	GLS25
2009-15 SRX: Differential Clutch Fluid	.....	SL134
Rear Axle Fluid	.....	SL136
ATS: Front 2013-15	.....	SL146
Rear w/o Limited Slip	.....	SL146
Rear w/Limited Slip	.....	GLS25
2013 XTS: Differential Clutch Fluid	.....	SL134
Rear Axle Fluid	.....	NS ³
Others w/o Limited Slip	.....	Synthetic 75W-90 GL-5
CAPACITY, Refill:	Liters	Pt
Front:		
ATS	0.4	0.8
CTS 2008-13	0.7	1.5

CAPACITY, Refill:	Liters	Pt
SRX:		
2004-03	0.7	1.5
2009-15: w/LSD Rear Axle Fluid	0.7 ²	1.5 ²
Differential Clutch	0.6	1.3
STS: 2005-06	0.7	1.5
2007-11	1.0	2.1
Rear:		
ATS: w/ Limited Slip	1.0	2.1
w/o Limited Slip	0.9	1.9
CTS:		
2004-08:		
w/LSD & drain plug removed	1.0	2.1
w/LSD & cover removed	1.2	2.5
w/o LSD & drain plug removed	1.1	2.3
w/o LSD & cover removed	1.3	2.7
2009-13		
w/LSD, w/o cooler drain plug removed	1.0	2.1
w/LSD, w/cooler drain plug removed	1.4	3.0
w/LSD, w/o cooler cover removed	1.2	2.5
w/LSD, w/cooler cover removed	1.5	3.2
w/o LSD & drain plug removed	1.1	2.3
w/o LSD & cover removed	1.3	2.7
2010-15: w/LSD	0.7	1.5
w/o LSD	0.6	1.3
STS:		
2005-1 ¹		
w/LSD & drain plug removed	1.0	2.1
w/LSD & cover removed	1.2	2.5
w/o LSD & drain plug removed	1.1	2.3
w/o LSD & cover removed	1.3	2.7
XLR: 2004-05	1.7	3.6
2006-09	2.0	4.2
XTS:		
w/ LSD, w/o limited slip differential clutch	0.6	1.3
w/ LSD, w/ limited slip differential clutch	0.5 ¹	1.1 ¹

1 XTS: Add 1.7 ounces of Limited Slip additive 1052358 or equivalent.

2 Add 1.69 oz of LSD Additive 88900330

3 GM Part Number 89021677.

TRANSFER CASE

All ex. AAM, F46, Graziano, BW-4474	.....	GLS37
AAM, F46	.....	SL037
BW-4474	.....	GLS13
Graziano	.....	GLS22
CAPACITY, Refill:	Liters	Pt
2007: First Design	0.5	1.1
Second Design	0.8	1.7
ATS	0.8	1.6
2008-13 CTS	1.0	2.1
2004-06 SRX, STS BW4476	0.5	1.1
2008-09 SRX	0.8	1.7
2010-15 SRX	0.7	1.5
2008-11 STS	0.8	1.7
XTS	0.7	1.5

OTHER COMPONENTS

Brake & Clutch Master Cylinder	.....	HB
Front Suspension & Steering Linkage, Parking Brake Cable Guides	.....	LB
Power Steering, SRX	.....	AF6
Power Steering, ex. SRX:		
2004-13 Vehicles equipped with Hydraulic Power Steering	.....	PS004

2014-15 CTS MODELS

2014 ELR, 2014-15 XTS

CRANKCASE		
All	.....	SEO20
All	.....	5W-30 ¹
CAPACITY, Refill¹:	Liters	Qt
CTS Sedan: 2.0L w/AWD	5.7	6.0
2.0L w/RWD	4.7	5.0
3.6L (LF3)	6.6	7.0
3.6L (LFX)	5.7	6.0
CTS Coupe & Wagon: All	5.7	6.0
CTS-V: 6.2L	5.7	6.0
ELR: 1.4L	3.5	3.7
XTS: 3.6L (LF3)	6.6	7.0
3.6L (LFX)	5.7	6.0
1 Preferred		
2 Capacity shown includes filter.		
TRANSMISSION/TRANSAXLE, Automatic		
CTS Sedan: 6L45	.....	AF6
Aisin TL-80SN	.....	WS ¹
CTS Coupe, Wagon, CTS-V	.....	AF6
ELR	.....	AF6
XTS	.....	AF6

CAPACITY, Initial Refill:	Liters	Qt
CTS Sedan: 6L45	6.0	6.4
Aisin TL-80SN: 3.6L (LFX)	2	2
3.6L (LF3)	3	3
CTS Coupe, Wagon, CTS-V: 6L45, 6L90	6.3	6.7
ELR	3	3
XTS	4	4

1 GM recommends the use of ATF-WS Automatic Transmission Fluid.

GM P/N 88863400

2 Service Fill: 4.7-5.2L (5.0-5.5 qt)

3 Service Fill: 5.2-5.7L (5.5-6.0 qt)

4 Service Fill: 4.0-6.0L (4.2-6.3 qt)

5 Service Fill: 6.5-7.0L (7.0-7.4 qt)

TRANSMISSION/TRANSAXLE, Manual

CTS-V: Tremec	.....	GLS37
CAPACITY, Initial Refill:	Liters	Qt
CTS-V: Tremec	3.5	3.7

TRANSFER CASE

CTS Sedan	.....	GLS25
CTS Coupe, Wagon	.....	GLS13
XTS	.....	SL037
CAPACITY, Refill:	Liters	Pt
CTS Sedan	0.8	1.7
CTS Coupe, Wagon	1.0	2.1
XTS	0.7	1.5

DIFFERENTIAL

CTS Sedan: Front	.....	SL146
Rear: w/o Limited Slip	.....	SL146
w/Limited Slip	.....	GLS25
CTS Coupe, Wagon, CTS-V:		
Front	.....	75W-90 Synthetic GL-5
Rear:		
w/Limited Slip	.....	75W-90 Synthetic GL-5* ¹
w/o Limited Slip	.....	75W-90 Synthetic GL-5

XTS:

Rear Axle Fluid	.....	SL136 ²
Differential Clutch Fluid	.....	SL134

ELSD Clutch System

CAPACITY, Refill:	Liters	Pt
CTS Sedan: Front	0.4	0.8
Rear: w/o Limited Slip	0.9	1.9
w/Limited Slip	1.2	2.5
CTS Coupe, Wagon, CTS-V: Front	0.7	1.5

Rear w/ cover removed:

w/o Limited Slip	1.3	2.7
w/ Limited Slip	1.2	2.5
w/ Limited Slip and oil cooler	2.0	4.2

Rear w/ drain plug removed:

w/o oil cooler	1.1	2.3
w/ oil cooler	1.8	3.8

XTS:

Rear w/ Limited Slip:		
w/ Limited Slip clutch	0.5	1.0
w/o Limited Slip clutch	0.6	1.3
Rear w/o Limited Slip:		
w/ Limited Slip clutch	0.6	1.3
ELSD Clutch System	0.14	0.3
w/o Limited Slip clutch	0.5	1.0

1 With LSD complete drain and fill, add 4 oz of Limited-Slip Lubricant Additive, GM P/N 88900330

2 Add 1.69 oz of Limited Slip additive, GM Part No. 88900330

OTHER COMPONENTS

Brake Fluid Reservoir	.....	HB
Clutch Fluid Reservoir	.....	HBH
Power Steering Reservoir:		
CTS Coupe, Wagon, CTS-V	.....	PS036
XTS	.....	AF6

CHEVROLET

LUMINA APV, VENTURE, UPLANDER—SEE CHEVROLET & GMC TRUCKS

2004 TRACKER

CRANKCASE		
Above 0°F (-18°C)	.....	10W-30
All temperatures	.....	5W-30 ^{1,2}
CAPACITY, Refill¹:	Liters	Qt
2.5L Code 4	5.5	5.8
1 Temperatures below -20°F (-29°C), 5W-30 synthetic, or 0W-30 should be considered.		
2 Preferred.		
3 Capacity shown includes filter. After refill, check oil level.		
TRANSMISSION, Automatic		
CAPACITY, Initial Refill¹:	Liters	Qt
3-speed	2.8	3.0
4-speed: 4WD	2.5	2.6
2WD	2.8	3.0

1 With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed.

TRANSMISSION, Manual

Tracker	.....	75W-85 GL-4
CAPACITY, Refill:	Liters	Pt
2004 Tracker:		
2WD	1.9	4.0
4WD	1.5	3.2

CARS & LIGHT TRUCKS

CHEVROLET Continued

TRANSFER CASE	75W-85 GL-4
CAPACITY, Refill:	Liters Pt
All	1.7 3.6
DIFFERENTIAL	80W-90 GL-5
CAPACITY, Refill:	Liters Pt
Front	1.0 2.1
Rear	2.2 4.6

2004-15 ALL FWD MODELS

CRANKCASE	
Gasoline:	
2004-10	SE023
2011-15	SE020
Diesel:	
2014-15	SE021

Gasoline:	
3.4L Code X:	
Above 0°F (-18°C)	10W-30 ¹
Below 60°F (16°C)	5W-30
Below -20°F (-29°C)	10W-30
5.7L:	
All Temperatures	5W-30 ¹
Above 0°F (-18°C)	10W-30 ²

Others:	
Aveo All temperatures	5W-30 ³
Cavalier, Classic, Cobalt:	
2.0L L4	5W-30 ³
2.2L, 2.4L L4 All temperatures	5W-30 ³

HHR:	
ex. 2.0L	5W-30 ³
2.0L	5W-30 ³
2004 Impala, Malibu, Monte Carlo	
All temperatures	5W-30 ^{1,3}
Below -20°F (-29°C)	10W-30 ³
2005-07 Impala, Malibu, Monte Carlo	
All temperatures	5W-30 ³
2008-15 All ex. Spark, 2013-15 2.5L	5W-30 ^{1,4}
Spark	5W-20
2013-15 2.5L	5W-20

Diesel:	
Cruze	5W-30
CAPACITY, Refill²:	Liters Qt
1.2L	3.8 4.0
1.4L Volt	3.5 3.7
1.4L Turbo	4.0 4.2
1.6L 2004-08	3.8 4.0
1.8L	4.5 4.8
2013-15 Cruze	4.0 4.3

2.0L:	
Supercharged	5.7 6.0
Turbo	4.7 5.0
2013-15 gasoline	4.7 5.0
2014-15 diesel	4.5 4.8
2.2L 2004-11	4.7 5.0
2.4L 2006-15	4.7 5.0
3.1L	4.3 4.5
3.4L 2004-07	4.3 4.5
3.5L	3.8 4.0
3.6L:	
2007-11	5.2 5.5
2012-15	5.7 6.0
3.8L incl. supercharged	4.3 4.5
3.9L	3.8 4.0
5.3L	5.7 6.0

- 1 Preferred.
- 2 Capacities include filter change.
- 3 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
- 4 In extreme cold, when the temperature falls below -20°F (-29°C), SAE 0W-30 oil may be used.

TRANSAXLE, Automatic

All ex. AF40-6, 80-40LE, 81-40LE, Spark CVT, Spark EV	AF6
81-40LE	TIV
80-40LE, Spark CVT	VTF18
AF40-6	SL036
Spark EV	SL150
CAPACITY, Initial Fill¹:	Liters Qt
80-40LE	4.7 5.0
81-40LE	2.1 2.2
4ET502 (Total Fill)	4 4
4T40-E, 4T45-E:	
2004-06	6.5 6.9
2007-11	6.6 7.0
4T60	6.7 7.0
4T65	7.0 7.4
6T30	2 2
6T40, 6T45, 6T50	3 3
6T70, 6T75	3 3
AF40-6 (Total Fill)	7.0 7.4
Spark CVT (Total Fill)	5.9 6.2
Spark EV	4.2 4.4

- 1 With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill. See appendix for fluid filling and checking.
- 2 Service life: 4.5-5.5 Liters (4.75-5.8 Quarts)
- 3 Service life: 4.0-6.0 Liters (4.2-6.3 Quarts)
- 4 Total capacity: 8.9L (9.4 qt). Refill capacity varies from 6.5-7.0L (7.0-7.4 qt).

TRANSAXLE, Manual

Cruze:	
2011	GLS38
2012-15	GLS36
D16, D20:	
2004-06	Synthetic 75W-85 GL-4
2007-12	75W-90 GL-3

Getrag 5 Speed:	
2004-09	GLS37
2010-11	AF6
M5, MK7, MJ1	GLS31

MU3:	
2005-07	SL038
2008-10	GLS38
Sonic	GLS36
Spark	GLS38
CAPACITY, Refill:	Liters Pt
Cruze	1.8 3.8
D16, D20	1.8 3.8

Getrag 5 Speed:	
2004-06	1.7 3.6
2007-11	1.6 3.4
MU3	1.9 4.0
Sonic:	
F17-5	1.6 ¹ 3.4 ¹
M20, M32	1.8 3.8
Spark	2.1 4.4
1 Total Fill.	

DIESEL EXHAUST FLUID

Cruze	DEF
CAPACITY, Refill:	Liters Gal
Cruze	18.5 4.9

OTHER COMPONENTS

Brake Fluid Reservoir:	
All ex. Spark, Spark EV	HB
Spark, Spark EV	HBH
Clutch Fluid Reservoir:	
All ex. Spark	HB
Spark	HBH
Front Suspension & Steering Linkage, Parking Brake Cable Guides, Shift Linkage, Clutch Cross Shaft	LB
Power Steering:	
2004-12	PS004
2013-15	PS036

2004-15 RWD MODELS ex. 2015

CAPRICE, SS

CRANKCASE	
2004-10 Corvette	SE022
2004-10 ex. Corvette	SE023
2011-15	SE020

3.8L Code K:	
Above 0°F (-18°C)	10W-30 ¹
Below 60°F (16°C)	5W-30
Camaro: All temperatures	5W-30 ³
Caprice PPV: All temperatures	5W-30 ¹
Corvette engines:	
Below -20°F (-29°C)	0W-30
All temperatures	5W-30 ¹
SS: All temperatures	5W-30 ¹

CAPACITY, Refill²:	Liters Qt
Camaro:	
3.6L	5.7 6.0
6.2L	7.6 8.0
7.0L	9.5 10.0
2013-14 Caprice: 3.6L	6.7 7.1
3.8L	4.3 4.5
6.0L	7.6 8.0

Corvette:	
2004-08:	
5.7L	6.1 6.5
6.0L ex. Z51	5.2 5.5
6.0L Z51	5.7 6.0
6.2L	5.7 6.0
7.0L	7.6 8.0
2009-13 Corvette:	
6.2L ex. Z52	5.7 6.0
6.2L Z52	9.9 10.5
6.2L Supercharged	9.9 10.5
7.0L	9.9 10.5
2014-15 Corvette:	
6.2L ex. Z51	6.6 7.0
6.2L Z51	9.3 9.5
SS: 6.2L	7.6 8.0

- 1 Preferred.
- 2 Capacity shown is with filter. Recheck oil level after filling.
- 3 Z52, for track events or competitive driving, use Mobil1 15W-50 engine oil.

TRANSMISSION, Automatic

All ex. 2015 Corvette	AF6
2015 Corvette	SL150
CAPACITY, Initial Refill¹:	Liters Qt
2004-05 4L60, 4L65	4.7 5.0
2006-15 6L50, 6L80: Camaro	6.3 6.7
2006-14 Corvette, Caprice PPV, SS	6.3 6.7
2015 Corvette 8L90	7.0 7.4

- 1 With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.

TRANSMISSION, Manual

5-Speed Camaro	GLS37
6-Speed:	
Camaro V6 (2010-15)	75W-90 GL-5
Camaro V8 (2010-15)	GLS37
Corvette (2004-13)	GLS37

7-Speed:	
Corvette (2014-15)	GLS37
CAPACITY, Refill:	Liters Pt

Camaro:	
Tremec 6-Speed	3.8 8.0
V6 (2010-15)	1.8 3.8
V8 (2010-15) ex. ZL1, Z28	3.9 8.2
ZL1	4.4 9.3
Z28	4.3 9.7

Corvette:	
Tremec 6-Speed:	
2004-06	3.8 8.0
2007-13:	
Base	3.5 7.4
w/Z51	4.0 8.5
w/ZR1, Z06	4.3 9.1

Tremec 7-Speed:	
2014-15:	
Base	3.5 7.4
w/Z51	4.0 8.5

DIFFERENTIAL

Camaro:	
2010-11: V6 w/A/T	Synthetic 75W-90 GL-5
V6 w/M/T	Synthetic 75W-90 GL-5*
V8	Synthetic 75W-90 GL-5*
2012	SL136
2013-15: All ex. ZL1	SL136
ZL1	GLS25
Caprice PPV, SS	GLS22
2004-08 Corvette	Synthetic 75W90 GL-5*
2009-15 Corvette	GLS25
2014-15 Corvette ELSD Clutch System	AF6
CAPACITY, Refill:	Liters Pt

Camaro:	
V6 w/A/T: 2010-15	0.9 1.3
V6 w/M/T: 2010-12	0.9 ¹ 1.5 ¹
2013-15	0.9 ² 1.5 ²
V8 ex. ZL1, Z28: 2010-12	0.9 ¹ 1.5 ¹
2013-15	0.9 ² 1.5 ²
V8 ZL1: 2013-15	2.0 4.2
V8 Z28: 2014-15	0.9 1.3
Caprice PPV, SS: 2013-14	1.3 2.7
Corvette:	
2004-05	1.7 3.5
2006-13:	
Base	2.0 4.2
w/Z06, ZR1	2.8 5.3
w/Z51	2.2 4.6
2014-15: 2.56 mLSD	2.4 5.1
3.42 mLSD	2.4 5.1
3.42 mLSD w/cooler	2.8 5.3
2.73 eLSD	2.8 5.3
3.42 eLSD	2.8 5.3
eLSD Clutch System	0.24 0.5

- 1 Add 2.5 oz. (75mL) of friction modifier to the specified quantity of axle lubricant GM part number 88900330.
- 2 Add 3.3 oz. (98mL) of friction modifier to the specified quantity of axle lubricant GM part number 88900330.

LIMITED-SLIP IDENTIFICATION:

Tag under rear cover-attaching bolt

OTHER COMPONENTS	
Brake Master Cylinder	HB
Clutch Fluid Reservoir	
2005-15 ex. Camaro	HBH
2010-15 Camaro	HB
Front Suspension & Steering Linkage, Parking Brake Cable Guides, Shift Linkage, Clutch Cross Shaft	LB
Power Steering:	
2004-14 ex. Camaro	PS004
2010-15 Camaro	PS048

CARS & LIGHT TRUCKS

CHEVROLET & GMC TRUCKS

CHEVROLET & GMC TRUCKS

TRAX — SEE BUICK

2004-08 BUICK RENDEZVOUS,
TERRAZA; CHEVROLET EQUINOX,
VENTURE, UPLANDER;
OLDSMOBILE SILHOUETTE;
PONTIAC AZTEK, MONTANA,
MONTANA SV6
2006-09 TORRENT
2009-15 CHEVROLET EQUINOX
2010-15 GMC TERRAIN
2012-15 CHEVROLET CAPTIVA

SPORT

CRANKCASE

2004-10	SE023
Above 0°F (-18°C) (2004-09)	10W-30 ⁴
All temperatures	5W-30 ^{1,2}
2011-15	SE020
All temperatures	5W-30 ^{1,2}
CAPACITY, Refill:	
	Liters Qt
2.4L	4.7 5.0
3.0L	5.7 6.0
3.4L	4.3 4.5
3.5L	4.8 4.0
3.6L: 2008-09	5.2 5.5
2013-15	5.7 6.0
3.9L	3.8 4.0

1 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
2 Preferred.
3 Capacity shown is with filter. After refill, check oil level.
4 In extreme cold, when temperatures fall below -20°F (-29°C), SAE 0W-30 oil should be used.

TRANSAXLE, Automatic

All ex. AF33-5	AF6
AF33-5	TIV
CAPACITY, Initial Refill:	
	Liters Qt
4T65-E w/o AWD	7.0 7.4
4T65-E w/AWD	7.4 7.8
6T45	4.0-6.0 4.2-6.3 ²
6T70	4.0-6.0 4.2-6.3
AF33-5	4.1 4.3

1 With the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.
2 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.

TRANSFER CASE

w/Getrag 760	Synthetic 75W-90 GL-5
w/NVG 900	SL034
2008-15	Synthetic 75W-90 GL-5
CAPACITY, Refill:	
	Liters Pt
ex. Captiva Sport, Equinox, Terrain, Torrent	0.3 0.6
Captiva Sport, Equinox, Terrain, Torrent	0.8 1.7
w/Getrag 710	0.5 ¹ 1.0 ¹
w/NVG900	

1 Fill 1/8" to 3/16" below bottom of fill hole.

DIFFERENTIAL

2004-06	SL034
2007-15	Synthetic 75W-90 GL-5
CAPACITY, Refill:	
	Liters Pt
AWD	
ex. Captiva Sport, Equinox, Terrain, Terraza, Torrent, Uplander	0.3 0.6
Captiva Sport, Equinox, Terrain, Torrent	0.8 1.7
2005-06	0.5 1.0
2007-15	1.9 4.0

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir:	
2004-09 ¹	PS004
2010-15 ¹	AF6

1 Some models equipped w/ Electric Power Steering.

2004 BRAVADA, S-SERIES, S10, SONOMA

2004-05 ASTRO, SAFARI CRANKCASE

All	SE023
Above 40°F (4°C)	30 ³
All temperatures	5W-30 ^{1,2}
CAPACITY, Refill:	
	Liters Qt
All Models	4.3 4.5

Includes filter. After refill, check oil level.

1 Preferred.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
3 Only use when other viscosities are not available.

TRANSMISSION, Automatic

All	AF6
CAPACITY, Initial Refill:	
	Liters Qt
4L60/65-E	4.7 5.0

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION, Manual

NV1500, 4-cyl	GLS34
NV3500, V6	GLS31
CAPACITY, Initial Fill:	
	Liters Pt
NV1500	2.7 5.7
NV3500	2.0 4.2

TRANSFER CASE

Automatic	AF6
CAPACITY, Refill:	
	Liters Pt
NVG126, NVG136, 236	1.9 4.0
NVG233	1.0 2.1

DIFFERENTIAL

Front	80W-90 GL-5
Rear:	
Conventional:	
2004-05	80W-90 GL-5
Astro, Safari	
All temperatures	80W-90 GL-5
Sonoma, S10	
All temperatures	80W-90 GL-5

Limited Slip & Locking:

2004-05	80W-90 GL-5
Rear:	
Astro, Safari & 7.625" axle	1.7 3.6
8.6" axle	1.9 4.0

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir	PS004

2004-09 ENVOY

2004-09 TRAILBLAZER

2004-08 ISUZU ASCENDER

2004-07 RAINIER

CRANKCASE

2004-09 ex. TrailBlazer SS	SE023
2006-09 TrailBlazer SS	SE022
2004	
Above 0°F (-18°C)	10W-30
All temperatures	5W-30 ^{1,2}
2005-09	
All temperatures	5W-30
CAPACITY, Refill:	
	Liters Qt
4.2L	6.6 7.0
5.3L, 6.0L	5.7 6.0

1 Preferred.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
3 Includes filter. After refill, check oil level.

TRANSMISSION, Automatic

All	AF6
CAPACITY, Initial Refill:	
	Liters Qt
4-speed	4.7 5.0

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in Park with parking brake applied and add fluid as needed.

TRANSFER CASE

NP231, NP233, NVG233	GLS37
NVG120, NVG126, NVG136, NVG226,	
NVG236, NVG246	SL033
CAPACITY, Refill:	
	Liters Pt
NP231, NP233	1.0 2.1
NVG120, 126, 226	1.8 3.8
NVG136, 236	1.9 4.0
NVG233, 246	1.0 2.1

DIFFERENTIAL

2004-09 Ascender, Bravada, Envoy, Rainier, TrailBlazer (Front & Rear)	75W-90 GL-5
2004-05 Blazer, S-Pickup, Sonoma:	
Front	80W-90 GL-5
Rear:	
w/LSD	80W-90 GL-5*
w/o LSD	80W-90 GL-5*

CAPACITY, Refill:	
	Liters Pt
Front:	
7 1/4"	1.2 2.6
8 1/4"	2.0 4.2
9 1/4"	2.8 6.0
Bravada, Envoy, Envoy XUV, Rainier, TrailBlazer	0.8 1.7
S10, Sonoma, S-Blazer	1.2 2.6

CAPACITY, Refill:

	Liters	Pt
Rear:		
2004-09:7 5/8" ring gear	1.7	3.6
8 5/8" ring gear	2.0	4.2
2006-09 TrailBlazer SS	2.6 ¹	5.5 ¹

1 Add GM Part No. 1052358 or equivalent, 2006, add 4.0oz. 2007-09, 5.5oz.

OTHER COMPONENTS

Brake Master Cylinder	HB
Front Wheel Bearings	GC
Power Steering	PS004
Suspension & Steering Linkage, Rear	
Driveline Center Splines, Parking Brake	
Cable Guides, Shift Linkage	LB
Universal CV Joint, 4WD	LB

2004-12 CHEVROLET COLORADO

& GMC CANYON

2006 ISUZU I-280, I-350

2007-08 ISUZU I-290, I-370

CRANKCASE

2004-10	SE023
2011-12	SE020
Above 0°F (-18°C) (2004)	10W-30
All temperatures	5W-30 ^{1,2}
CAPACITY, Refill:	
	Liters Qt
2.8L, 2.9L	4.7 5.0
3.5L, 3.7L, 5.3L	5.7 6.0

1 Preferred.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
3 Capacity shown is with filter change. After refill, check oil level.

TRANSMISSION, Automatic

All	AF6
CAPACITY, Initial Refill:	
	Liters Qt
4-speed	4.7 5.0

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION, Manual

75W-90 GL-3	
CAPACITY, Refill:	
	Liters Pt
ASINARS:	
RWD	2.2 4.6
4WD	2.3 4.9

TRANSFER CASE

GLS31	
CAPACITY, Refill:	
	Liters Pt
All	1.3 2.7

DIFFERENTIAL

Front & Rear Axle	Synthetic 75W-90 GL-5
CAPACITY, Refill:	
	Liters Pt
Front Axle	1.5 3.1
Rear Axle:	
2004-06	1.6 ¹ 3.4 ¹
2007-12:	
8"	1.7 3.6
8.6"	2.0 4.2

1 Other capacities could vary between 1.6-1.8L (3.4-3.8 pint).

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir	PS004

2015 CHEVROLET COLORADO & GMC CANYON

CRANKCASE

Gasoline:	
2015	SE020
All temperatures:	
2.5L	5W-20
3.6L	5W-30

Below -20°F (-29°C)

2.5L	0W-20
3.6L	0W-30
CAPACITY, Refill:	
	Liters Qt
2.5L	4.7 5.0
3.6L	5.7 6.0

1 Capacity shown is with filter change. After refill, check oil level.

TRANSMISSION, AUTOMATIC

AF6	
CAPACITY, Initial Refill:	
	Liters Qt
6L50	6.3 6.7
TRANSMISSION, Manual	
AF6	
CAPACITY, Refill:	
	Liters Qt
All	3.0 3.1

TRANSFER CASE

AF6	
CAPACITY, Refill:	
	Liters Pt
All	1.9 4.0

DIFFERENTIAL

Front & Rear	SL146
CAPACITY, Refill:	
	Liters Pt
Front	1.3 2.7
Rear:	
8"	1.4 2.9
8.6"	1.5 3.2

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB

CARS & LIGHT TRUCKS

CHEVROLET & GMC TRUCKS Continued • CHRYSLER, DODGE, PLYMOUTH

2004-15 C, G, K, GASOLINE, DIESEL & 3500 HD MODELS (SIERRA, SILVERADO, SUBURBAN, TAHOE, YUKON) 2004-13 AVALANCHE 2004-15 CADILLAC ESCALADE 2004-06 SSR 2004-15 G/H SERIES VANS CRANKCASE

Gasoline:

2004-10	SE023
Above 0°F (-18°C) (2004)	10W-30 ¹
All temperatures (2005-10)	5W-30 ^{1,2}
2011-13	SE020
All temperatures	5W-30 ^{1,2}
2014-15	SE020
2014 Escalade, Suburban, Tahoe, Yukon, Yukon XL: All temperatures	5W-30 ^{1,4}
2015: Escalade, Suburban, Tahoe, Yukon, Yukon XL: All temperatures	0W-20
2014-15 G-Series, H-Series: All temperatures	5W-30 ^{1,4}
2014-15 Sierra, Silverado:	
4.3L, 6.0L	5W-30 ⁴
5.3L, 6.2L	0W-20

Diesel:

2004-05	CH4, CG-4
2006	CI-4, CH-4
2007	CJ-4, CI-4
2008-15	CJ-4
2004-07 6.6L:	
Above 0°F (-18°C)	10W30
Above 100°F (38°C)	15W40
Up to 100°F (38°C)	5W-40
2008-15 6.6L:	
All temperatures	5W-40 ¹
Above 0°F (-18°C)	15W-40

CAPACITY, Refill:

	Liters	Qt
2004-2014 Ex. 2014 Sierra, Silverado		
4.3L	4.3	4.5
4.8L, 5.3L, 6.0L, 6.2L	5.7	6.0
5.0L	4.8	5.0
5.7L	4.8 ⁵	5.0 ⁵
6.5L Diesel	9.5	10.0
8.1L	6.1	6.4
Escalade, Suburban, Tahoe, Yukon, Yukon XL: 2015	8.0	8.5
G-Series:		
2015 4.8L, 6.0L	5.7	6.0
6.6L Diesel	9.5	10.0
Sierra, Silverado:		
2014-15 4.3L	5.7	6.0
2014-15 5.3L, 6.2L	8.0	8.5
2014-15 6.0L	5.7	6.0
2014-15 6.6L Diesel	9.5	10.0

1 Preferred
2 Capacity shown includes filter.
3 Where temperatures fall below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 SE023.
4 Where temperatures fall below -29°C (-20°F), 0W-30 may be used.
5 With large of pan option, add 1 quart (0.9L) extra.

DIESEL EXHAUST FLUID

All	DEF
CAPACITY, Refill:	Liters Gal
6.6L:	
2010	22.0 5.8
2011-15	20.1 5.3

TRANSMISSION, Automatic

All	AF6
CAPACITY, Initial Refill:	Liters Qt
2ML70	10.9 11.5
4L60/65/70-E	4.7 5.0
4L80/85-E	7.3 7.7
6L50/6L80/6L90	5.7 6.0
8L90	7.0 7.4
Allison 1000, 2000	7.0 7.4

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION, Manual

6-Speed ZF	SL035
NV3500	GLS31
NV4500	75W-85 GL-4
Tremec 5-Speed (MQ7)	GLS40
Tremec 5-Speed (TZO)	GLS01
Tremec 6-Speed (SSR)	AF6
CAPACITY, Refill:	Liters Pt
6-Speed ZF	6.0 12.7
NV3500 2003-07	2.3 4.9
NV4500	3.8 8.0
Tremec 5 Spd. (MQ7)	3.5 7.4
Tremec 5 Spd. (TZO)	4.4 9.3
Tremec 6 Spd. (SSR)	3.5 7.4

TRANSFER CASE

VansAF6

K Series:

BW4485, MP1222/1225/1226, MP1625/1626, MP3023/3024, NVG261	AF6
NP8, NVG236, NVG246	SL033
NVG149, NVG261, NVG263	GLS37

CAPACITY, Refill:

	Liters	Pt
BW4473-NP3	2.5	5.3
2014	1.4	3.0
BW4485-NR3 (2009-13)	1.5	3.2
MP1222/1225/1226 (NOG), MP 1625/1626 (NOF), MP 3023/3024 (NOH)	1.5	3.2
NVG149 2003-07	2.1	4.4
NVG236, 246	1.9	4.0
NVG261	1.9	4.0
NVG263	1.9	4.0

DIFFERENTIAL

Avalanche, C/K-Series, Escalade:

Front:

2004-06	
8 1/4" S4WD Axle	Synthetic 80W-90 GL-5
8 1/4" F4WD Axle, 9 1/4" Axle	GLS25
2007-13	Synthetic 75W-90 GL-5 ²

Escalade:

2014 Synthetic	75W-90 GL-5 ²
2015	80W-90 GL-5

Silverado, Sierra:

2014	Synthetic 75W-90 GL-5 ²
2015 1500	80W-90 GL-5
2015 2500, 3500	Synthetic 75W-90 GL-5 ²

Tahoe, Suburban, Yukon:

2014-15	80W-90 GL-5
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Rear:

2004-05 w/QS4 Axle (QuadraSteer)	GLS35
2004-06 Others	75W-90 GL-5
2007-14 ex. 2014 Sierra/Silverado	
1500	Synthetic 75W-90 GL-5 ²
2014-15 Sierra/Silverado	
1500	75W-85 Synthetic GL-5
2015 Escalade, Suburban, Tahoe, Yukon, Yukon XL	75W-85 Synthetic GL-5 ¹

Vans:

Front

2004 9.5", 10.5" Axle:	
w/LSD	80W-90 GL-5*
w/o LSD	80W-90 GL-5
2004-14 ex. 2004 9.5", 10.5" Axle	Synthetic 75W-90 GL-5
2015	Synthetic 75W-85 GL-5 ¹

CAPACITY, Refill:

	Liters	Pt
Front:		
Avalanche, C/K-Series, Escalade:		
8 1/4" Ring Gear 2004-15	1.4	3.0
9 1/4" Ring Gear 2004-15	1.7	3.6
H-Series Van	1.2	2.5

Rear:

Avalanche, Escalade, C/K-Series:	
American Axle:	
8 1/2", 8 5/8" Ring Gear 2004-15	2.0 4.2
9 1/2", 10 1/2" Ring Gear	2.6 5.5
9 3/4" Ring Gear	2.8 5.9
11 1/2" Ring Gear 2004-15	3.0 6.3

Vans:

2004:	
American Axle:	
8 1/2", 8 5/8" Ring Gear	2.2 4.6
9 1/2" Ring Gear	2.6 5.5
9 3/4" Ring Gear	3.0 6.3
10 1/2" Ring Gear 2003-04	3.1 6.6
Dana 11" Ring Gear	4.0 8.5
2005-08:	
8 1/2" Ring Gear	2.0 4.4
9 1/2" Ring Gear	3.0 6.3
10 1/2" Ring Gear	3.1 6.6
2009:	
8 1/2" Ring Gear	2.0 4.4
9 1/2" Ring Gear	2.6 5.5
9 3/4" Ring Gear	3.0 6.3
10 1/2" Ring Gear	3.1 6.6
10 3/4" Ring Gear	3.1 6.6

2010-15:

8 1/2" Ring Gear	2.0 4.4
9 1/2" Ring Gear	2.6 5.5
9 3/4" Ring Gear	3.0 6.3
10 1/2" Ring Gear	2.5 5.5

1 Use GM P/N 19300457 Synthetic Axle Fluid or equivalent.
2 Synthetic Axle Lubricant 75W-90, GM P/N 89300401 or equivalent meeting GM Specification 9986115.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir:	
2004-11	PS004

2012-15 Diesel	PS036
2015 Escalade, Suburban, Tahoe, Yukon, Yukon XL	1
2012-14 Pickups/SUV ex. Diesel, 1500 Sierra/Silverado	PS004
2014-15 Sierra/Silverado 1500	1
2015 Sierra/Silverado 2500, 3500	PS036
2012-15 Vans	PS036

1 Models equipped with electric power steering.

2008-15 BUICK ENCLAVE, GMC ACADIA, CHEVY TRAVERSE CRANKCASE

2008-10	SE023
2011-15	SE020
All temperatures	5W-30 ²
CAPACITY, Refill:	Liters Qt
3.6L: 2008-11	5.2 5.5
2012	5.7 6.0
2013	6.0 6.4
2014-15	5.7 6.0

1 Capacity shown is with filter.
2 Where temperature falls below -20°F (-29°C), it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.

TRANSAXLE, AUTOMATIC

All	AF6
CAPACITY, Initial Refill:	Liters Qt
2008-15	2 2

1 Start engine and operate until the transmission fluid reaches 140°-200°F (82°-93°C). Apply parking brake, depress the brake pedal and move the shift lever slowly through all gears, pausing approximately 3 seconds in each range. Return lever to PARK position and turn engine off. Pull the transmission level indicator from the transmission in order to check the proper fluid level on the gauge.
2 Service Fill, 4.0-6.0L (4.2-6.3 qt).

TRANSFER CASE

2008-15	Synthetic 75W-90 GL-5
CAPACITY, Refill:	Liters Pt
All	1.0 2.1

REAR DRIVE MODULE

2008-15	Synthetic 75W-90 GL-5
CAPACITY, Refill:	Liters Pt
All	1.0 2.1

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Power Steering Reservoir:	
2008-11	PS004
2012-15	AF6

2015 CHEVROLET CITY EXPRESS CRANKCASE

All temperatures	5W-30
CAPACITY, Refill:	Liters Qt
2.0L	4.4 4.6

TRANSMISSION/TRANSAXLE, Automatic

All	VTF18
CAPACITY, Total Refill:	Liters Qt
All	7.4 7.3

OTHER COMPONENTS

Brake Fluid Reservoir	HB
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CHRYSLER, DODGE, PLYMOUTH

2007-09 CHRYSLER ASPEN—
SEE DODGE TRUCKS
2004-07 INCLUDES ALL CHRYSLER, DODGE, AND PLYMOUTH PASSENGER CARS & VANS ex. VIPER, PROWLER, SEBRING COUPE & STRATUS COUPE

CRANKCASE

Crossfire	SE028, SE030
w/6.1L	SE009
w/Flex-Fuel	SE012
All ex. Crossfire, 6.1L, Flex Fuel:	
2004-07	SE011
2004 ex. Crossfire	
3.2L, 3.5L	10W-30 ²
ex. 3.2L, 3.5L	5W-30 ²
2004 Crossfire	Synthetic 0W-40

2005:

2.0L	5W-20 ³
2.4L	5W-30 ³
2.7L	5W-20 ¹ or 5W-30 ¹
3.2L	Synthetic 0W-40
3.3L	5W-20 ¹
3.5L	10W-30 ¹
3.7L	5W-20 ¹
3.8L	5W-20 ¹

CARS & LIGHT TRUCKS

CHRYSLER, DODGE, PLYMOUTH Continued

5.7L	.....	5W-20 ^{1,2}	
6.1L	.....	Synthetic 0W-40	
2006:			
2.4L	.....	5W-20 ¹ or 5W-30 ¹	
2.7L	.....	5W-20 ¹ or 5W-30 ¹	
3.2L	.....	Synthetic 0W-40	
3.3L	.....	5W-20 ¹ or 5W-30 ¹	
3.5L: Pacifica	.....	5W-30 ¹	
ex. Pacifica	.....	10W-30 ¹	
3.8L: Pacifica	.....	5W-30 ¹	
ex. Pacifica	.....	5W-20 ¹ or 5W-30 ¹	
4.0L	.....	5W-30 ¹	
5.7L	.....	5W-20 ^{1,2}	
6.1L	.....	Synthetic 0W-40	
2007:			
1.8L	.....	5W-20 ¹ or 5W-30 ¹	
2.0L	.....	5W-20 ¹ or 5W-30 ¹	
2.4L: Avenger, Sebring	.....	5W-20 ¹	
ex. Avenger, Sebring	.....	5W-20 ¹ or 5W-30 ¹	
2.7L: Avenger, Sebring	.....	5W-20 ¹	
ex. Avenger, Sebring	.....	10W-30 ¹	
3.2L	.....	Synthetic 0W-40	
3.3L	.....	5W-20 ¹ or 5W-30 ¹	
3.5L	.....	10W-30 ¹	
3.8L: Pacifica	.....	5W-30 or 10W-30	
ex. Pacifica	.....	5W-20 ¹ or 5W-30 ¹	
4.0L	.....	5W-30 or 10W-30 ³	
5.7L	.....	5W-20 ^{1,2}	
6.1L	.....	Synthetic 0W-40	
CAPACITY, Refill¹:			
		Liters	Qt
2004-06:			
2.0L	.....	4.3	4.5
2.4L, 2.7L, 3.3L, 3.5L, 3.8L	.....	4.7	5.0
2005-06 300 w/2.7L, 3.5L	.....	5.7	6.0
3.5L Code 4	.....	5.2	5.5
3.2L: 2004-06	.....	8.0	8.5
5.7L, 6.1L	.....	6.6	7.0
2007:			
1.8L	.....	4.3	4.5
2.0L	.....	4.3	4.5
2.4L: Caliber	.....	4.3	4.5
Caravan, Town & Country	.....	4.7	5.0
PT Cruiser	.....	4.8	5.1
2.7L: Avenger, Sebring	.....	5.2	5.5
300, Charger, Magnum	.....	5.7	6.0
3.2L	.....	8.0	8.5
3.3L	.....	4.7	5.0
3.5L: Avenger, Sebring	.....	5.2	5.5
300, Charger, Magnum	.....	5.7	6.0
3.8L	.....	4.7	5.0
4.0L	.....	5.2	5.5
5.7L, 6.1L	.....	6.6	7.0
1 Check of cap for proper usage.			
2 With 5.7L Multi-Displacement System must use 5W-20 oil.			
3 Preferred.			
4 Capacity shown includes filter. After refill, check oil level.			
TRANSMISSION/TRANSAXLE, Automatic¹			
All	.....	AP4	
CAPACITY, Initial Refill¹:			
		Liters	Qt
NAG1	.....	5.0	5.3
All w/transverse engine:			
w/4 Speed	.....	3.8	4.0
w/5 Speed	.....	5.2	5.5
All w/longitudinal engine:			
All w/longitudinal eng., does not include final drive.	.....	4.3	4.5
2 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.			
TRANSMISSION/TRANSAXLE, Manual			
All ex. Crossfire:			
BG6	.....	AP4	
Getrag 283	.....	AP4	
NV T350 2004-07	.....	AP4	
NV T355	.....	AP4	
NV T850	.....	AP4	
Crossfire	.....	GLS52	
All Temperatures			
CAPACITY, Refill¹:			
		Liters	Pt
BG6	.....	2.0	4.2
Crossfire	.....	1.8	3.8
Getrag 288	.....	1.8	3.8
w/o Turbo	.....	2.4	5.1
NV T35C, T35E, T850	.....	2.4-2.7	5.1-5.7
FINAL DRIVE			
All w/longitudinal engine			
All temperatures	.....	GL-5 ¹	
All temperatures			
CAPACITY, Refill¹:			
		Liters	Pt
All	.....	0.7 ²	1.6 ²
1 Synthetic gear lubricants should be avoided.			
2 42LE transaxles fill to 3/8" (9mm) below fill hole.			
OVERRUNNING CLUTCH, POWER TRANSFER UNIT, TRANSFER CASE			
Overrunning Clutch			
Power Transfer Unit:	.....	AP4	
Caliber:			
All temperatures	.....	GL-5	
Mini Van:	.....	GL-5	
All temperatures	.....	80W-90	

Pacifica	.....	GL-5	
2004 All temperatures	.....	80W-90	
2005-07 All temperatures	.....	75W-90	
Transfer Case:			
Chrysler 300, Dodge Charger:			
2005-07	.....	SL074	
Dodge Magnum			
CAPACITY, Refill¹:			
		Liters	Pt
Caliber:			
Power Transfer Unit	.....	0.5	1.1
Chrysler 300, Dodge Charger, Magnum:			
Transfer Case MS140	.....	0.6	1.3
Mini Van:			
Overrunning Clutch	.....	0.6	1.3
Power Transfer Unit	.....	1.1	2.3
Pacifica:			
Overrunning Clutch	.....	0.6	1.3
Power Transfer Unit:			
2004-03	.....	1.0	2.1
2007	.....	0.8	1.7
REAR CARRIER/DRIVE ASSEMBLY & FRONT & REAR DIFFERENTIAL			
300, Charger, Magnum:			
Front Differential			
All temperatures	.....	GL-5	
All temperatures			
Rear Differential			
All temperatures	.....	GL-5	
All temperatures			
Synthetic 75W-140			
Caliber:			
All temperatures	.....	GL-5	
All temperatures			
80W-90			
Crossfire:			
2004	.....	GL-5	
All temperatures	.....	75W-140	
2005-07	.....	GL-5	
All temperatures	.....	Synthetic 75W-85	
Mini Van:			
All temperatures	.....	GL-5	
All temperatures			
80W-90			
Pacifica			
2004 All temperatures	.....	GL-5	
2005-07 All temperatures	.....	80W-90	
2005-07 All temperatures	.....	75W-90	
CAPACITY, Refill¹:			
		Liters	Pt
300, Charger, Magnum:			
Front	.....	0.6	1.3
Rear: 198mm	.....	1.4	2.9
210mm	.....	1.6	3.4
215mm	.....	1.2	2.5
Caliber:			
Rear Drive Assembly	.....	0.5	1.1
Crossfire	.....	1.3	2.7
Mini Van:			
Driveshaft Module	.....	0.7	1.5
Pacifica:			
Rear Carrier Unit	.....	0.7	1.5
OTHER COMPONENTS			
Brake Fluid Reservoir			
Clutch Fluid Reservoir	.....	HB	
Power Steering	.....	PS009	
2004-05 SEBRING COUPE, STRATUS COUPE			
CRANKCASE			
2004-05	.....	SEO11	
2004:			
Above 0°F (-18°C)	.....	10W-30	
Below 100°F (38°C)	.....	5W-30 ¹	
2005:			
Above 0°F (-18°C)	.....	10W-30	
Below 100°F (38°C)	.....	5W-20 or 5W-30 ¹	
CAPACITY, Refill¹:			
		Liters	Qt
2.4L	.....	4.3	4.5
3.0L	.....	4.3	4.5
1 Preferred.			
2 Capacity shown is with filter. After refill, check oil level.			
TRANSAXLE, Automatic			
.....SL065			
CAPACITY, Initial Refill¹:			
		Liters	Qt
2004	.....	5.5 ²	5.8 ²
2005: 4-cyl	.....	7.7 ³	8.1 ³
6-cyl	.....	8.4 ³	8.9 ³
1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.			
2 Approximate.			
3 Total Capacity.			
TRANSAXLE, Manual			
.....GL-4			
All temperatures			
.....75W-90			
CAPACITY, Refill¹:			
		Liters	Pt
2.4L	.....	2.2	4.6
3.0L	.....	2.8	5.9
OTHER COMPONENTS			
Brake & Clutch Master Cylinder			
Power Steering: 2004-05	.....	PS016	
Suspension & Steering Linkage	.....	LB	
2008-10 PT CRUISER			
CRANKCASE			
All temperatures	.....	SEO11	
All temperatures			
5W-30			
CAPACITY, Refill¹:			
		Liters	Qt
2.4L	.....	4.7	5.0
1 Capacity shown includes filter. After refill, check oil level.			

TRANSAXLE, Automatic			
All	.....	AP4	
CAPACITY, Initial Refill¹:			
		Liters	Qt
All	.....	3.8	4.0
Manual			
All	.....	AP4	
Capacity, Refill			
		Liters	Pt
Getrag 283	.....	1.8	3.8
NV T350	.....	2.4-2.7	5.1-5.7
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.			
OTHER COMPONENTS			
Brake/Clutch Fluid Reservoir			
Power Steering Reservoir	.....	HB	
Power Steering Reservoir	.....	AP4	
2008-14 AVENGER, 2008-10 SEBRING SEDAN, SEBRING CONVERTIBLE			
CRANKCASE			
2008-10:	.....	SEO11	
2.4L, 2.7L	.....	5W-20 ² , 5W-30 ²	
3.5L:	.....	
Above 0°F (-18°C)	.....	10W-30 ³	
Below 32°F (0°C)	.....	5W-30	
3.6L	.....	5W-30	
2011-12:			
2.4L	.....	5W-20 ³	
3.6L	.....	5W-30 ³	
2013-14: 2.4L, 3.6L			
		Liters	Qt
CAPACITY, Refill¹:			
		Liters	Qt
2007-12:	.....	
2.4L	.....	4.3	4.5
2.7L	.....	5.2	5.5
3.5L	.....	5.2	5.5
3.6L	.....	5.6	6.0
2013-14:			
2.4L	.....	4.4	4.5
3.6L	.....	5.6	6.0
1 Capacity shown includes filter. After refill, check oil level.			
2 Check of fill cap for proper engine oil viscosity usage.			
3 Preferred.			
TRANSAXLE, Automatic			
All	.....	AP4	
CAPACITY, Initial Refill¹:			
		Liters	Qt
All ex. G2TE	.....	3.8	4.0
G2TE	.....	5.2	5.5
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.			
OTHER COMPONENTS			
Brake/Clutch Fluid Reservoir			
Power Steering Fluid Reservoir	.....	HB	
Power Steering Fluid Reservoir	.....	AP4	
2008 PACIFICA			
CRANKCASE			
3.8L All temperatures	.....	SEO11	
4.0L All temperatures	.....	5W-20	
All temperatures			
10W-30			
CAPACITY, Refill¹:			
		Liters	Qt
3.8L	.....	4.7	5.0
4.0L	.....	5.2	5.5
1 Capacity shown includes filter. After refill, check oil level.			
TRANSAXLE, Automatic			
All	.....	AP4	
CAPACITY, Initial Refill¹:			
		Liters	Qt
4-speed	.....	3.8	4.0
6-speed	.....	5.2	5.5
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.			
REAR CARRIER, POWER TRANSFER UNIT & OVERRUNNING CLUTCH AWD			
Rear Carrier &			
Power Transfer Unit	.....	75W-90 GL-5	
CAPACITY, Refill¹:			
		Liters	Pt
Overrunning Clutch	.....	0.6	1.3
Rear Carrier Unit	.....	0.7	1.5
Power Transfer Unit	.....	0.8	1.7
OTHER COMPONENTS			
Brake Fluid Reservoir			
Power Steering Fluid Reservoir	.....	HB	
Power Steering Fluid Reservoir	.....	AP4	
2008-15 300			
2008-15 CHARGER			
2008 MAGNUM			
CRANKCASE			
All ex. 2008-15 6.1L, 6.2L, 6.4L	.....	SEO11	
6.1L, 6.4L 2008-12	.....	SEO09	
6.2L 2015	.....	SEO49	
6.4L 2013	.....	SM or SM/CF, API*	
6.4L 2014-15	.....	SEO49	
2.7L All temperatures	.....	5W-20	
3.5L All temperatures	.....	10W-30	
3.6L 2011-12 All temperatures	.....	5W-30	
3.6L, 2013-15, All temperatures	.....	5W-20	
5.7L All temperatures	.....	5W-20	
6.1L All temperatures	.....	0W-40 ³ , 5W-40 ¹	
6.2L 2015	.....	0W-40 ¹	
6.4L 2012, All temperatures	.....	5W-40 ¹	
6.4L 2013-15, All temperatures	.....	0W-40 ¹	

CARS & LIGHT TRUCKS

CHRYSLER, DODGE, PLYMOUTH Continued • CHRYSLER, DODGE, RAM TRUCKS

CAPACITY, Refill ¹ :	Liters	Qt
2.7L, 3.5L, 6.2L	5.7	6.0
3.6L	5.6	6.0
5.7L, 6.1L, 6.4L	6.6	7.0
1 Must be synthetic oil.		
2 Capacity shown includes filter. After refill, check oil level.		
3 Preferred.		
TRANSMISSION, Automatic		
All ex. 8HP45, 8HP70, 8HP90	AP4	
2012-13 8HP45	SL093	
2014-15 8HP45, 8HP70, 8HP90	SL076	
CAPACITY, Initial Refill¹:		
	Liters	Qt
42RLE 4-speed	3.8	4.0
NAG1 5-speed	5.0	5.2
8HP45 8-speed (Total Fill)	9.0	9.5
8HP70 8-speed (Total Fill)	9.0	9.5
8HP90 8-speed (Total Fill)	8.7	9.2
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
TRANSFER CASE		
2008	SL074	
2009-15	SL068	
CAPACITY, Refill:		
	Liters	Pt
2008-09	0.6	1.3
2009-15	1.0	2.1
FRONT DIFFERENTIAL		
All	Synthetic 75W-90 GL-5	
CAPACITY, Refill:		
	Liters	Pt
All	0.6	1.3
REAR DIFFERENTIAL		
2008-14	All ex. 226MM, G648 Synthetic 75W-140 GL-5	
	226MM, G648 Synthetic 75W-90 GL-5	
2015:	195MM Synthetic 75W-85 GL-5	
	230MM Standard Synthetic 75W-85 GL-5	
	230MM Limited Slip GLSB8	
CAPACITY, Refill:		
	Liters	Pt
195MM	0.7	1.5
198MM	1.4	2.9
200MM	1.1	2.5
210MM	1.6	3.4
215MM: 2005-07	1.6	3.4
2008-14	1.2	2.5
226MM	1.3 ¹	2.7 ¹
G648	1.2	2.5
230MM Limited Slip	1.1	2.3
230MM Standard	0.7	1.5
1 Limited slip rear axles require 118 ml (4 oz) Mopar Limited Slip Additive.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering (EHPS)	PS022	
Power Steering Reservoir	AP4	
2007-12 CALIBER		
CRANKCASE		
All ex. 2.4L Turbo	SE011	
2.4L Turbo	SE009	
2007 all temperatures	5W-20 ² , 5W-30 ²	
2008-12:	1.8L, 2.0L all temperatures 5W-20 ² , 5W-30 ²	
	2.4L: Non-turbo all temperatures 5W-20 ² , 5W-30 ²	
	Turbo all temperatures 5W-40	
CAPACITY, Refill¹:		
	Liters	Qt
2007	4.3	4.5
2008-12:	1.8, 2.0L 4.3 4.5	
	2.4L: Non-Turbo 4.3 4.5	
	Turbo 4.7 5.0	
1 Capacity shown includes filter. After refill, check oil level.		
2 Check oil fill cap for proper engine oil viscosity usage.		
TRANSAXLE, Automatic		
All	VTF04	
CAPACITY, Initial Refill¹:		
	Liters	Qt
2007-12	7.0	7.4
Manual		
All	AP4	
CAPACITY, Refill:		
	Liters	Pt
BG6	2.0	4.2
Getrag DMT6	1.8	3.8
NVT355	2.4-2.7	5.0-5.7
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
REAR CARRIER, POWER TRANSFER UNIT		
All	80W-90 GL-5	
CAPACITY, Refill:		
	Liters	Pt
All	0.5	1.1
OTHER COMPONENTS		
Brake/Clutch Fluid Reservoir	HB	
Power Steering Fluid Reservoir	AP4	
2013-15 DART		
CRANKCASE		
1.4L	SE050	
2.0L, 2.4L	SE011	
1.4L	Synthetic 5W-40	
2.0L, 2.4L	0W-20	

CAPACITY, Refill ¹ :	Liters	Qt
2013-15:		
1.4L	3.8	4.0
2.0L	4.7	5.0
2.4L	5.2	5.5
1 Capacity shown is with filter. After refill, check oil level.		
TRANSAXLE, Automatic		
1.4L	SL069	
2.0L, 2.4L	SL107 ¹	
CAPACITY, Initial Refill:		
	Liters	Qt
1.4L	1.7	1.8
2.0L, 2.4L 6F24	4.7	5.0
1 Models without dipstick, see Appendix in Transmission Fluid Service Guide for fill and checking procedures.		
Manual		
All	SL069 ¹	
CAPACITY, Refill:		
	Liters	Pt
All	1.7	3.6
1 The correct fill level will be, w/1.4L, 0.8 in (15 mm), w/2.0L, 2.4L, 0.9 in (23 mm), below the fill plug hole.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
2008-15 TOWN & COUNTRY, GRAND CARAVAN, 2012-15 RAM CARGO VAN		
CRANKCASE		
All ex. Flex Fuel	SE011	
Flex Fuel	SE012	
3.3L, 3.8L	5W-20 ² , 5W-30 ²	
3.6L 2011-12	5W-30	
3.6L 2013-15 All temperatures	5W-20	
4.0L	10W-30	
CAPACITY, Refill¹:		
	Liters	Qt
3.3L, 3.8L	4.7	5.0
3.6L	5.6	6.0
4.0L	5.2	5.5
1 Capacity shown includes filter. After refill, check oil level.		
2 Check oil fill cap for proper engine oil viscosity usage.		
TRANSAXLE, Automatic		
All	AP4	
CAPACITY, Initial Refill:		
	Liters	Qt
2008-10 4-speed	3.8	4.0
2008-15 62TE	5.2	5.5
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	AP4	
2008-15 DODGE CHALLENGER		
CRANKCASE		
All ex. 2008-15 6.1L, 6.2L, 6.4L	SE011	
6.1L, 6.4L 2008-12	SE009	
6.2L 2015	SE049	
6.4L 2013	SM or SM/CF API	
6.4L 2014-15	SE049	
3.5L	10W-30	
3.6L 2011-12	5W-30	
3.6L 2013-15 All temperatures	5W-20 ²	
5.7L	5W-20	
6.1L	Synthetic 0W-40	
6.2L	Synthetic 0W-40	
6.4L 2011-12	Synthetic 5W-40	
6.4L 2013-15 All temperatures	Synthetic 0W-40 ²	
CAPACITY, Refill¹:		
	Liters	Qt
3.5L	5.7	6.0
3.6L	5.6	6.0
5.7L, 6.1L, 6.4L	6.6	7.0
6.2L	7.1	7.5
1 Capacity shown is with filter. After refill, check oil level.		
2 Preferred.		
TRANSMISSION/TRANSAXLE		
Automatic		
2008-14	AP4	
2015	SL076	
CAPACITY, Initial Refill:		
	Liters	Qt
42RLE	3.8	4.0
84SRE	9.2 ¹	9.7 ¹
8HP70	8.5 ¹	9.0 ¹
8HP90	8.7 ¹	9.2 ¹
NAG1	5.0	5.3
1 Total Fill.		
Manual		
All	AP4	
CAPACITY, Refill:		
	Liters	Pt
2008-14	1	1
2015: 5.7L, 6.4L	3.2	6.8
6.2L	3.9	8.2
1 To check the fluid level, remove the fill plug on the left side of the transmission. The fluid level should be at the bottom of the fill hole. Add fluid as needed.		
DIFFERENTIAL		
Rear:		
2008-14:	3.5L, 3.6L Synthetic 75W-140 GL-5	
	5.7L, 6.1L, 6.4L Synthetic 75W-90 GL-5* ¹	

2015: 195MM	Synthetic 75W-80 GL-5	
230MM Standard	Synthetic 75W-80 GL-5	
230MM Limited Slip	GLSB8	
CAPACITY, Refill:		
	Liters	Pt
2008-14: 198MM	1.4	3.0
200MM	1.1	2.3
215MM Rll	1.2	2.5
226MM (G648)	1.3	2.7
2015: 195MM	0.7	1.5
230MM Standard	0.7	1.5
230MM Limited Slip	1.1	2.3
1 Use Mopar [®] synthetic 75W-90 or equivalent with Mopar [®] friction modifier hypoid gear additive.		
OTHER COMPONENTS		
Brake/Clutch Fluid Reservoir	HB	
Power Steering Reservoir:		
2008-10	AP4	
2011-15 w/SRT	AP4	
2011-14 ex. SRT	PS022	
2009-15 DODGE JOURNEY		
CRANKCASE		
2009-15 2.4L	5W-20	
2009-10 3.5L	10W-30	
2011-12 3.6L	5W-30	
2013-15 3.6L	5W-20	
CAPACITY, Refill¹:		
	Liters	Qt
2009-15 2.4L	4.3	4.5
2009-10 3.5L	5.2	5.5
2011-15 3.6L	5.6	6.0
1 Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
All	AP4	
CAPACITY, Initial Refill:		
	Liters	Qt
2009-15 41TE/41AE	3.8	4.0
2009-15 62TE	5.2	5.5
POWER TRANSFER UNIT		
Lubricant	75W-90 GL-5	
Capacity, Refill:		
	Liters	Pt
All	0.8	1.7
REAR DRIVELINE MODULE		
Lubricant	75W-90 GL-5	
Capacity, Refill:		
	Liters	Pt
All	0.6	1.3
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	AP4	
2015 CHRYSLER 200		
CRANKCASE		
2.4L, 3.6L	SE011	
2.4L	0W-20	
3.6L	5W-20	
CAPACITY, Refill¹:		
	Liters	Qt
2.4L	5.2	5.5
3.6L	5.6	6.0
1 Capacity shown includes filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
948TE	SL076	
CAPACITY, Initial Refill:		
	Liters	Qt
948TE	6.0	6.4
POWER TRANSFER UNIT		
One Speed PTU	GLSB7	
CAPACITY, Refill:		
	Liters	Qt
200: 2015	0.7	0.7
REAR DIFFERENTIAL		
Rear Differential	GLSA1	
Hydraulic Unit	GLSA2	
CAPACITY, Refill:		
	Liters	Qt
Rear Differential: 200: 2015	0.9	0.9
Hydraulic Unit: 200: 2015	0.44	0.46
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
CHRYSLER, DODGE, RAM TRUCKS		
NITRO—SEE JEEP		
2004-09 SPRINTER VAN		
CRANKCASE		
2004-06	SE025, SE026, SE028, SE030	
All temperatures	0W-30, 5W-30	
All temperatures	0W-40, 5W-40, 5W-50	
Above -4°F (-20°C)	10W-30	
Above -4°F (-20°C)	10W-40, 10W-50, 10W-60	
Above 5°F (-15°C)	15W-40, 15W-50	
Above 23°F (5°C) Diesel	20W-40, 20W-50	
2007-09 Diesel	SE029, SE031	
All temperatures Diesel	5W-30, 5W-40	
2007-08		
Gasoline	SE028, SE029, SE030, SE031	
All temperatures Gasoline	0W-30, 0W-40, 5W-30, 5W-40	

CARS & LIGHT TRUCKS

CHRYSLER, DODGE, RAM TRUCKS Continued

CAPACITY, Refill ¹ :	Liters	Qt
2.7L	9.0	9.5
3.0L	12.5	13.2
3.5L	9.5	10.0

¹ Capacity shown includes filter. After refill, check oil level.
TRANSMISSION/TRANSAXLE Automatic
 2004-09SLO72
CAPACITY, Initial Refill¹: Liters Qt
 NAG1 5.0 5.3

¹ To check the fluid level, remove the locking pin and cap from the dipstick tube. With the service brake actuated, start engine and let it run at idle in the PARK position. Shift transmission through all gears with the engine idling. Warm up the transmission, wait at least 2 minutes and check oil level using dipstick 8863B with the engine running. Dipstick 8863B will be approximately 3 inches above the fill tube when installed. In any forward gear or reverse check the transmission fluid temperature using a scan to obtain correct oil temperature. At approximately 85°F the oil level should be at the 20 mm mark, at 120°F the oil level should be at the 40 mm mark, and at 180°F the oil level should be at the 60 mm mark on the dipstick. Add or drain fluid as needed and recheck. Install new dipstick tube cap and locking pin.

DIFFERENTIAL
 RearGLS44
CAPACITY, Refill¹: Liters Pt
 Rear 1.8 4.0

¹ Fluid capacity can be +0.0L (1.0 oz)
OTHER COMPONENTS
 Brake Fluid ReservoirHBH
 Power Steering Reservoir:
 2004-05PS009
 2006-09AP4

2004-07 ALL DIESEL MODELS ex. SPRINTER 2004-07 ALL GASOLINE MEDIUM & HEAVY DUTY EMISSION MODELS

CRANKCASE
 2004-07 ex. 8.3LSEO11
 8.3LSEO09

All Gasoline Models:
 5.2L, 5.9L, 8.0L
 Above 0°F (-18°C)10W-30 Preferred
 Below 32°F (0°C)5W-30
 5.7L:

2004:
 Above 0°F (-18°C)10W-30
 Below 100°F (38°C)5W-30
 2005-06: All temperatures5W-30
 8.3L (SRT): All temperaturesSynthetic 0W-40

All Diesel Models ex. Sprinter
 Engine VIN ACI-4
 All temperatures15W-40
 2004-06CI-4, CJ-4
 All TemperaturesSynthetic 5W-40
 Above 0°F (-18°C)15W-40
 2007 5.9LCJ-4/SM
 2007 6.7LCJ-4
 Above 0°F (-18°C)15W-40
 All temperaturesSynthetic 5W-40

CAPACITY, Initial Refill¹: Liters Qt
 All Gasoline Models²: 4.7L 5.6 6.0
 5.2L, 5.9L 4.7 5.0
 5.7L, 8.0L 6.6 7.0
 8.3L (SRT) 8.2 8.7

All Diesel Models ex. Sprinter:
 2004-07 (fit: filter) 11.4 12.0
¹ Capacity shown is without filter. When replacing filter, fill it with oil before installing. Run engine and check dipstick, additional oil may be needed. Wait 10 min before checking.
² Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic
 All ex. AS68RCAP4
 AS68RCSLO67
CAPACITY, Initial Refill¹: Liters Qt
 A4SRFE, 54SRFE, 68RFE:
 2WD² 5.2 5.5
 4WD 6.2 6.5
 AS68RC 6.8 7.2
 Others 3.8 4.0

¹ With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.
² DTCs may be set, reset with the DRBIII, if necessary.

TRANSMISSION, Manual
 Getrag 238, G56AP4
 NV4500, T-56GL-4
 All temperaturesSynthetic 75W-85
 NV5600GLS53
CAPACITY, Refill¹: Liters Pt
 G56 Diesel 5.6 11.8
 G56 5.7 4.7 10.0
 Getrag 238, T56 2.2 4.6
 NV4500 3.8 8.0
 NV5600 4.5 9.5

TRANSFER CASE
 2004-07 ex. NV246AP4
CAPACITY, Refill¹: Liters Pt
 NV241 2.2 4.6
 NV241 HD 3.1 6.5
 NV241 HD w/P70 4.9 10.4
 NV241/244 GENII, NV243 1.6 3.4
 NV246, NV271, NV273 1.9 4.0

DIFFERENTIAL
 Front:
 2004-06GL-5
 All temperaturesSynthetic 75W-90
 2007
 C205FGL-5
 All temperatures75W-85
 9.25" AA, AA ELGL-5
 All temperaturesSynthetic 75W-90

Rear:
 Dana:
 StandardGL-5
 All temperatures90
 Limited-SlipGL-5*1
 All temperatures90
 9.25 AA, 10.5" AA, 11.5"GL-5
 All temperaturesSynthetic 75W-90

CAPACITY, Refill¹: Liters Pt
 Front:
 9.25" AA:
 2004-05 2.3 4.8
 2006-07 2.2 4.6
 AA EL 2006-07 2.0 4.2
 C205FD 1.6 3.3

Rear:
 Dana 60 (248):
 2004-06 2.8 5.9
 Dana 70 (267):
 2WD 3.3 7.0
 4WD 3.6 7.8
 Dana 80 (286):
 2WD 3.2 6.8
 4WD 4.8 10.1

9.25" 2.1 4.4
 10.5" AA, AA-EL 2.3 4.8
 2004 2.5 5.3
 2005-07 3.6 7.7
 11.5" AA 4.0 8.4
 2004-05 4.2 8.8
 2006-07:
 Trac-Rite 4.0 8.4
 Open 4.2 8.8

¹ Rear axles with limited slip & locking differentials include 6.5% friction modifier additive. Part No. 4318060.
² Note: Lubricant level in axles must not come up to the fill plug opening. The level must be below the opening as follows:

Front 1/4" (6mm)
 Rear 3/4" (19mm)

OTHER COMPONENTS
 Brake & Clutch Master CylinderHD
 Power Steering Reservoir:
 2004-07 1500, 2500, 3500AP4
 OthersPS009
 Suspension & Steering LinkageLB
 Wheel Bearings, Transmission Linkage (EP) GC

2004-07 ALL RWD & 4WD GASOLINE LIGHT DUTY EMISSION MODELS INCL. CHRYSLER ASPEN CRANKCASE

2004-07SEO11
 2004:
 Dakota, Durango, and Ram Van
 Above 0°F (-18°C)10W-30
 Below 100°F (38°C)5W-30
 Ram Pickup5W-30²

2005-06:
 3.7L, 4.7L, 8.1L5W-30 or 10W-30^{1,2,3}
 5.7L5W-20^{1,4}
 2007: All Engines5W-30⁵ or 5W-20¹

CAPACITY, Refill¹: Liters Qt
 2.5L 4.3 4.5
 3.9L 3.8 4.0
 4.7L 5.6 6.0
 5.7L 6.6 7.0
 3.7L, 5.2L, 5.9L 4.7 5.0

¹ Preferred.
² Check oil cap for proper usage.
³ 5W-30 is preferred for Flexible Fuel Vehicles.
⁴ With 5.7L Multiple Displacement System must use 5W-20 oil.
⁵ Capacity shown includes filter. After refill, check oil level.
⁶ 5W-30 is only an option for the Light Duty Ram Trucks.

TRANSMISSION, Automatic
 All ex. AS68RCAP4
 AS68RCSLO67
CAPACITY, Initial Refill¹: Liters Qt
 A4SRFE, 54SRFE, 68RFE: 2WD¹ 5.2 5.5
 4WD 6.2 6.5
 AS68RC 6.8 7.2
 Others 3.8 4.0

¹ DTCs may be set, reset with the DRBIII, if necessary.
² With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.

TRANSMISSION, Manual
 Getrag 238, G56AP4
 NV1500, NV3500GLS53¹
 NV4500, T-56GL-4
 All temperaturesSynthetic 75W-85
 NV5600GLS53

CAPACITY, Refill¹: Liters Pt
 G56 4.7 10.0
 Getrag 238, T-56 2.2 4.6
 NV1500 2.2 4.6
 NV4500 3.8 8.0
 NV5600 4.5 9.5
¹ 2000 NV 1500, include 0.2pt (0.1L) friction modifier.

TRANSFER CASE
 2004-07: ex. NV246AP4
 NV246SLO70
CAPACITY, Refill¹: Liters Pt
 MP140, MP143 0.9 1.9
 NV133, NV231 HD, NV233 1.2 2.5
 NV144 0.8 1.7
 NV241 2.2 4.6
 NV241/244 GENII, NV243 1.6 3.4
 NV242, NV244 1.3 2.7
 NV271, NV273, NV246 1.9 4.0

DIFFERENTIAL
 Front:
 C205FGL-5
 All temperatures75W-90
 9.25" AA, AA ELGL-5
 All temperaturesSynthetic 75W-90
 Dana 44 (216)GL-5
 All temperatures80W-90

Rear:
 7.25" axles
 StandardGL-5
 Limited-SlipGL-5*1
 All temperatures75W-90
 8.25", 9.25" axles:
 2004 Dakota, Durango
 StandardGL-5
 Limited-SlipGL-5*1
 All temperatures75W-90

2005-07 Dakota, Durango; AspenGL-5
 All temperaturesSynthetic 75W-140
 2004-06 Ram Pickup/TruckGL-5
 All temperaturesSynthetic 75W-140
 9.25", 10.5", 11.5" Ram Pickup/Truck Axles:
 AllGL-5*1
 All temperaturesSynthetic 75W-90

Dana axles:
 StandardGL-5
 Limited-SlipGL-5*1
 All temperatures90

CAPACITY, Refill¹: Liters Pt
 Front: 9.25" AA 2.3 4.9
 9.25" AA EL 2.0 4.2
 C205F 1.6 3.6
 Dana 44 (216) 2.3 4.9
 Dana 60 (248) 4.0 8.5
 186 FIA (Model 30) 1.2 2.6

Rear: 7.25" 1.4 3.0
 8.25": 2004 2.1 4.4
 2005-07 2.0 4.2
 9.25": 2004 2.3 4.9
 2005-07 2.1 4.4

¹ Rear axles with limited slip & locking differentials include 6.5% friction modifier additive. Part No. 4318060.
² Note: Lubricant level in axles must not come up to the fill plug opening. The level must be below the opening as follows:

Front: C205F 1/8" (3mm)
 Dana 1/4" (6mm)
 Rear: 7.25" & 8.25" 1/4" (6mm)
 9.25" 5/8" (16mm)
 Dana 3/4" (19mm)

³ Trac-Lok® differentials require Limited Slip Additive in the lubricant. Trac-Rite™ / Trac-Rite EL™ differentials DO NOT require Limited Slip Additive.

OTHER COMPONENTS
 Brake & Clutch Master CylinderHB
 Power Steering Reservoir:
 2004-07: 1500, 2500, 3500AP4
 Aspen, Dakota, DurangoAP4
 OthersPS009
 Suspension & Steering LinkageLB
 Wheel Bearings, Transmission Linkage(EP) GC

CARS & LIGHT TRUCKS

CHRYSLER, DODGE, RAM TRUCKS Continued

2008-12 1500, 2500, 3500, 4500, 5500 PICKUPS

CRANKCASE

All Gasoline	SE011
2008-12 Diesel	SE039
3.7L, 5.7L, All temperatures	5W-20 ¹
4.7L w/o flexible fuel engine:	
All temperatures	5W-20 ¹
5.9L HO Diesel:	
Above 0°F (-18°C)	15W-40 ⁴
All temperatures	Synthetic 5W-40 ³
6.7L HO Diesel:	
Above 0°F (-18°C)	15W-40 ⁴
All temperatures	Synthetic 5W-40 ³

CAPACITY, Refill²:	Liters	Qt
3.7L	4.7	5.0
4.7L	5.7	6.0
5.7L	6.6	7.0
5.9L, 6.7L	11.4	12.0

- For 2500/3500 pickups with a gross combined weight greater than 14,000 lbs use 5W-30.
- Capacity shown includes filter. After refill, check of level.
- Preferred only when minimum temperatures consistently fall below 5°F (-15°C).
- Preferred.

TRANSMISSION, Automatic

All ex. AS68RC	AP4
AS68RC	SL067

CAPACITY, Initial Refill¹:	Liters	Qt
42RLE, 48RE	3.8	4.0
45RFE, 54SRFE, 65RFE, 66RFE, 68RFE:		
2WD	5.2	5.5
4WD	6.2	6.5
68RFE: 2011-12	2	2
AS68RC	6.8	7.2

- With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.
- Total fill: 15.6-16.6L (16.4-17.5 Qt).

TRANSMISSION, Manual

All	AP4	
CAPACITY, Refill:	Liters	Pt
Getrag 238	2.2	4.6
G56:		
2008-10 w/Diesel engine	5.9	12.4
w/5.7L	5.1	10.7
2011-12	4.7	9.9

TRANSFER CASE

All ex. BW 44-44, BW 44-45, BW 44-46, BW 44-47, NV246	AP4
BW 44-44, BW 44-45, BW 44-46, BW 44-47	SL075
NV246	SL070

CAPACITY, Refill:	Liters	Pt
BW 44-44, BW 44-45	1.4	3.0
BW 44-46, BW 44-47	1.8	3.8
NV241, NV243, NV244	1.6	3.4
NV246	1.9	4.0
NV271, NV273	1.89	4.0

DIFFERENTIAL

Standard	GL-5
Limited Slip	GL-5*

Front:	
American Axles	Synthetic 75W-90
Corporate Axles:	
C205F Standard	75W-90
C200F Standard	Synthetic 75W-140
C200FE Limited Slip	Synthetic 75W-140 ¹
Dana Axles	Synthetic 80W-90
Magna Axles	Synthetic 75W-90
ZF Axles	Synthetic 75W-85

Rear:		
American Axles	Synthetic 75W-90	
Corporate Axles:		
Standard	Synthetic 75W-140	
Limited Slip	Synthetic 75W-140 ¹	
Dana Axles:		
226 RFI Standard	80W-90 ²	
226 RFI Limited Slip	80W-90 ² *	
226 RIA	75W-90	
302 RFI Synthetic	75W-90	
ZF Axles:		
Standard	Synthetic 75W-140	
Limited Slip	Synthetic 75W-140 ¹	
CAPACITY, Refill:	Liters	Pt
Front:		
American Axles:		
9.25" Standard	2.2	4.6
9.25" Limited Slip	2.0	4.2
Corporate Axles:		
C205F Standard	1.6	3.4
C200F Standard	1.7	3.6
C200FE Limited Slip	1.7	3.6
Dana Axles:		
186 FIA Standard	1.0	2.1
216 FIA Standard	1.2	2.6
216 FFI Limited Slip	1.3	2.7
Magna Axles:		
275 FFI Standard	5.1	10.8
ZF Axle 215FD	1.1	2.3

CAPACITY, Refill:	Liters	Pt
Rear:		
American Axles:		
10.5"	2.5	5.3
11.5" Standard	4.2	8.9
11.5" Limited Slip	4.0	8.4
Corporate Axles:		
8.25" Standard	2.1	4.4
8.25" Limited Slip	2.1	4.4
9.25" Standard	2.2	4.6
9.25" Limited Slip	2.1	4.4
C213R Standard	2.1	4.4
C213RE Limited Slip	2.2	4.7
Dana Axles:		
226 RFI	2.3	4.8
226 RIA	1.4	2.9
302 RFI	6.6	14.0
ZF Axle:		
C235	2.2	4.64
C235 Limited Slip	2.1	4.43

- Requires the addition of 4 oz. (118 ml) of Mopar[®] limited slip additive, part number 4318060.
- Trailer towing use synthetic 75W-140.
- Requires the addition of 3.4 oz. of Mopar[®] limited slip additive, part number 4318060.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB
Power Steering Reservoir	AP4

2013-15 1500, 2500, 3500, 4500, 5500 PICKUPS

CRANKCASE

All Gasoline; ex. 6.4L	SE011
6.4L	SE049
Diesel: 3.0L	SE010
6.7L	SE039
3.6L, 4.7L, 5.7L: All temperatures	5W-20 ¹
6.4L: All temperatures	5W-40
3.0L Diesel	Synthetic 5W-30
6.7L HO Diesel:	
Above 0°F (-18°C)	15W-40 ⁴
Below 0°F (-18°C)	Synthetic 5W-40 ³

CAPACITY, Refill²:	Liters	Qt
3.0L	10.0	10.5
3.6L, 4.7L	5.5	6.0
5.7L, 6.4L	6.5	7.0
6.7L	11.4	12.0

- For 2500/3500 pickups with a gross combined weight greater than 14,000 lbs use 5W-30 standards.
- Capacity shown includes filter. After refill, check of level.
- Preferred only when minimum temperatures consistently fall below 5°F (-15°C).
- Preferred.

DIESEL EXHAUST FLUID

CAPACITY, Refill:	Liters	Gal
1500	30.3	8.0
2500/3500/4500/5500:		
With chassis cab	34.0	9.0
Without chassis cab	21.0	5.5

TRANSMISSION, AUTOMATIC

All ex. 8HP45, 8HP70, AS69RC	AP4
AS69RC	SL067
8HP45, 8HP70	SL076 ²

CAPACITY, Initial Refill:	Liters	Qt
AS69RC	6.8	7.2
65RFE/66RFE/68RFE	4.7 ¹	5.0 ¹
54SRFE: 2WD	5.2	5.5
4WD	6.2	6.5
8HP45	8.5 ³	9.0 ³
8HP70	8.3 ³	8.8 ³

- Total fill: 15.6-16.6 liters (16.4-17.5 qt).
- See appendix for fluid level checking procedure.
- Total fill.

TRANSMISSION, MANUAL

All	AP4	
CAPACITY, Refill:	Liters	Pt
G56	4.7	9.9
Getrag 238	2.2	4.6

TRANSFER CASE

BW 44-44, BW 44-45, BW44-46, BW 44-47	SL075	
NV243, NV271, NV273	AP4	
CAPACITY, Refill:	Liters	Pt
BW 44-44	1.4	3.0
NV243	1.6	3.4
NV271, NV273	1.9	4.0
BW 44-45	1.4 ¹	3.0 ¹
BW 44-46	1.8 ¹	3.8 ¹
BW 44-47	1.8 ¹	3.8 ¹

- Fill transfer case to the bottom edge of the fill plug opening.

DIFFERENTIAL

1500:	
Front	GL-5
Rear	
With limited slip	GL-5* ^{1,3}
Without limited slip	GL-5 ³
2500/3500/4500/5500:	
With limited slip	GL-5*
Without limited slip	GL-5

Front:	
American Axles	Synthetic 75W-90
Corporate Axles:	
C200F Standard	Synthetic 75W-140
C200FE Limited Slip	Synthetic 75W-140 ¹
C205F Standard	Synthetic 75W-90
Dana Axles	Synthetic 80W-90
Magna Axles	Synthetic 75W-90
ZF Axles	75W-85
Rear:	
American Axles	Synthetic 75W-90
Corporate Axles:	
Limited Slip	Synthetic 75W-140 ¹
Standard	Synthetic 75W-140
Dana Axles:	
226 RFI Limited Slip	Synthetic 80W-90 ^{1,2}
226 RFI Standard	Synthetic 80W-90 ²
226 RIA	Synthetic 75W-9C
310 RFI	Synthetic 75W-9C
ZF Axles:	
C235 standard	Synthetic 75W-140 ³
C235 limited slip	Synthetic 75W-140 ^{1,3}

CAPACITY, Refill:	Liters	Pt
Front:		
American Axles: 9.25" Limited Slip	2.0	4.22
9.25" Standard	2.2	4.64
Corporate Axles: C200FE Limited Slip	1.7	3.5
C200F Standard	1.7	3.5
C205F Standard	1.6	3.4
Dana Axles: 186 FIA Standard	1.0	2.11
216 FFI Limited Slip	1.24	2.62
216 FFI Standard	1.3	2.74
Magna Axles: 275 FFI Standard	5.1	10.77
ZF Axles: 215FD	1.1	2.3

Rear:		
American Axles: 10.5"	2.5	5.28
11.5" Limited Slip	4.0	8.45
11.5" Standard	4.2	8.8
Corporate Axles: 8.25" Limited Slip	2.1	4.43
C205F Standard	2.08	4.39
9.25" Limited Slip	2.1	4.43
9.25" Standard	2.2	4.64
C213R Standard	2.07	4.37
C213RE Limited Slip	2.24	4.73
Dana Axles: 226 RFI	2.25	4.75
226 RIA	1.35	2.85
310 RFI	6.6	13.94
ZF Axles: C235 standard	2.2	4.64
C235 limited slip	2.1	4.43

- Requires the addition of 5 oz. (148 ml) of Mopar[®] limited slip additive.
- If equipped with trailer towing package use synthetic 75W-140.
- Use synthetic 75W-140 meeting MS-6985 standards.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB
Power Steering Reservoir 2500, 3500, 4500, 5500	AP4

2014-15 PROMASTER 1500, 2500, 3500

CRANKCASE

3.0L	SE010	
3.6L	SE011	
All temperatures 3.0L	5W-30 Synthet c	
All temperatures 3.6L	5W-20	
Capacity, Refill:	Liters	Qt
3.0L	9.0	9.5
3.6L	5.6	6.0

- Capacity shown includes filter. After refill, check of level.

TRANSMISSION, Automatic

62TE	AP4
Automated Manual Transmission:	
Gearbox	Full Synthetic 75W-85 API GL-4
Control System	GLS86

Capacity Initial Refill:	Liters	Qt
62TE	5.2	5.5

Automated Manual Transmission		
Gearbox	2.9	3.1
Control System	NS	NS

- See appendix for fluid level checking procedure.

DIESEL EXHAUST FLUID

CAPACITY, Refill:	Liters	Gal
3.0L	18.9	5.0

OTHER COMPONENTS

Brake Fluid Reservoir	HBH
Power Steering Reservoir	PS022

2008-09 CHRYSLER ASPEN 2008-11 DODGE DAKOTA 2008-09, 2011-15 DODGE DURANGO

CRANKCASE

All	SE011
2008-11 All temperatures	5W-20, 5W-30 ¹
2012: 3.6L, All temperatures	5W-30
5.7L, All temperatures	5W-20
2013-15: 3.6L, 5.7L All temperatures	5W-20 ¹

CARS & LIGHT TRUCKS

CHRYSLER, DODGE, RAM TRUCKS Continued • FIAT • FORD, LINCOLN, MERCURY

CAPACITY, Refill ¹ :	Liters	Qt
3.6L	5.6	6.0
3.7L	4.7	5.0
4.7L	5.7	6.0
5.7L	6.6	7.0

1 Check oil cap for proper engine oil viscosity.
2 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic		
All ex. EVT, 8HP45, 8HP70	AP4	
EVT	AF6	
8HP45, 8HP70	SL076	
CAPACITY, Initial Refill:		
42RLE	3.8	4.0
45RFE, 54RFE, 65RFE-2WD	5.2	6.2
4WD	6.2	6.5
NAG1	5.0	5.2
2009 EVT	11.0 ¹	11.6 ¹
8HP45	8.5 ²	9.0 ²
8HP70	8.3 ²	8.8 ²

1 Dry fill capacity. Amount may vary depending on configuration.
2 Fluid check procedure, see appendix.

TRANSMISSION/TRANSAXLE, Manual		
All	AP4	
CAPACITY, Refill:		
G238	2.2	4.6

TRANSFER CASE		
All ex. MP2010	AP4	
MP2010	SL072	
CAPACITY, Refill:		
MP3C23	1.9	4.0
MP2C10	0.5	1.1
2008-11: M*3010	1.4	2.5
NV143	0.9	1.8
NV233	1.2	2.5
NV243	1.6	3.4
NV244	1.4	2.9
NV244 GEN1	1.6	3.4

DIFFERENTIAL		
Front		
C205FD: All temperatures	75W-90 ³	
195FA, 195FA FE: All temperatures	75W-85 ⁴	
2011-13 Durango	Synthetic 75W-140 ¹	
2014-15 Durango	Synthetic 75W-85	
Rear		
All temperatures	Synthetic 75W-140 ¹	
2014-15 Durango	Synthetic 75W-85	

CAPACITY, Refill:		
C205FD ²	1.6	3.4
195FA	1.1	2.3
195FA FE	0.8	1.7

Rear:		
2008:		
8.25 ³	2.0	4.2
9.25 ⁴	2.1	4.4
2009:		
8.25 ³	2.0	4.2
8.25 ³ Hybrid	1.9	4.0
9.25 ⁴	2.1	4.4
2010-12:		
8.25 ³	2.0	4.2
9.25 ⁴	2.1	4.4
195 FRA	0.9	1.9
215 FR	1.2	2.5
225 FR	1.4	3.0
230 FRA	1.1	2.3
2013-15:		
155FRA	0.9	1.9
215FR	1.2	2.5
225FR	1.4	2.9
230FRA	1.1	2.3

1 Limited slip axles require 4 oz. (118 ml) of Mopar[®] limited slip additive, part number 4318060.
2 Fill 20 mm ± 6 mm from bottom of fill hole.
3 Fill 22 mm ± 6 mm from bottom of fill hole.
4 Fill 31 mm ± 6 mm from bottom of fill hole.
5 Use Mopar F/N 05010020AA.
6 Use Mopar F/N 05130035AA.

OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering (EHPS)	PS022	
Power Steering Reservoir	AP4	

FIAT

2012-15 FIAT 500		
2015 FIAT 500e		
2014 FIAT 500L		
CRANKCASE		
2012-13: Non-Turbo models	SE011	
Turbo models	SE036	
2014: 500L	SE036	
2014-15: ex. 500L w/Turbo	SE050	
ex. 500L w/o Turbo	SE011	
Non-Turbo models: All temperatures	5W-30	
Turbo models: All temperatures	5W-40	

CAPACITY, Refill ¹ :	Liters	Qt
1.4L	3.8	4.0

1 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic		
500e Single Speed Transmission	SL145	
AW60T	SL117	
C635	SL069	
Capacity, Initial Refill:		
AW60T	6.2	6.6
C635	1.6	1.7
Single Speed Transmission	0.75	0.8

TRANSMISSION/TRANSAXLE, Manual		
All	SL069	
Capacity, Refill:		
All	1.7	3.6

OTHER COMPONENTS

Brake	HB	
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FORD, LINCOLN, MERCURY PASSENGER CARS INCLUDING FWD VANS

2004-11 FORD CROWN VICTORIA, LINCOLN TOWN CAR, MERCURY GRAND MARQUIS		
2004 MERCURY MARAUDER		
CRANKCASE		
All temperatures	SE015	
5.0L	5W-20	
CAPACITY, Refill:		
4.6L	5.7 ¹	6.0 ¹

1 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic		
2004-08	MA5	
2009-11	MLV	
CAPACITY, Total Fill ^{1, 2} :		
All	13.2	13.9

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.
2 Total or dry fill show¹, use less fluid when refilling.

DIFFERENTIAL		
2004-11:		
Standard	80W-90 GL-5 ³	
Limited-Slip	Synthetic 75W-140 GL-5 ⁴	
Police/Limousine	Synthetic 75W-140 GL-5 ⁴	
CAPACITY, Refill:		
2004-11	2.4 ²	5.0 ²
2004-11 Town Car Limousine	2.2	4.6

1 Add 4 oz. of friction modifier Part No. EST-M2C118-A or equivalent for complete refill of a limited-slip axle.
2 Fill to 1/4" (6-13mm) below fill hole.
3 If equipped with trailer tow option or 4:10 ratio use synthetic 75W-140.

OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	MA5	

2004 FORD MUSTANG CRANKCASE		
All temperatures	SE015	
5.0L	5W-20	
CAPACITY, Refill ¹ :		
3.8L, 3.9L	4.7	5.0
4.6L SOHC 2003-04	5.7	6.0
4.6L DOHC Cobra	5.7	6.0

1 Capacity includes filter. After refill, check oil level.

TRANSMISSION, Automatic		
2004	MA5	
CAPACITY, Initial Refill ¹ :		
All	4.7	5.0

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid.

TRANSMISSION, Manual		
2004: V6	MA5	
V8: w/TR3650 (2002)	MA55	
w/TR3650 (2003-04)	MA5	
2004: V8 ex. Cobra	MA5	
Cobra	AF3	
CAPACITY, Refill:		
3.8L V6	2.6	5.6
4.6L V8	3.7	7.8

DIFFERENTIAL		
Standard		
Standard	GL-5	
Traction-Lok		
All temperatures	Synthetic 75W-140	
CAPACITY, Refill ¹ :		
7.5 ¹ ring gear	1.5	3.2
8.8 ¹ ring gear	2.0	4.2

1 Traction-Lok axles add 4 oz. of friction modifier.
2 Fill to 1/4" (6 mm) below bottom of fill hole.

OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	MA5	

2005-15 FORD MUSTANG CRANKCASE		
2005-11 ex. Boss 302, Shelby GT500	4.0L	SE015
2012-15 ex. Boss 302, Shelby GT500	2.3L Ecoboost	SE018
Boss 302, Track Package, Shelby GT500		SE052
2015 Ecoboost		SE019

CAPACITY, Refill ¹ :		
4.0L	5.7	6.0
4.0L	4.7	5.0
4.6L	5.7	6.0
5.0L ex. 2011-13 Boss 302	7.6	8.0
5.0L 2011-13 Boss 302	8.0	8.5
5.0L 2014-15	7.6	8.0
5.4L 2007-12	6.1	6.5
5.8L	8.0	8.5

1 Capacity includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE Automatic		
2005-10	MA5	
2011-15	MLV	
CAPACITY, Total Fill ¹ :		
2005-14	11.2	11.8
2015 6R80: 2.3L	11.0	11.6
3.7L	11.4	12.0
5.0L	11.2	11.8

1 Transmission has no dipstick, refer to procedures in Automatic Transmission Service Guide.

Manual		
2005-10 T-5, 3650	MA5	
2007-14 TR6060	MA5	
2011 MT82 Getrag	SL026	
2012-13 MT82 Getrag	SL030	
2014 MT82 Getrag	SL026	
2015 MT80	SL026	
CAPACITY, Refill:		
2005-10:	Liters	Pt

V6: Tremec T-5	2.6	5.5
V8: Tremec 3650	3.0	6.3
2011-14 MT82 Getrag	2.6	5.5
2007-12 TR6060	3.5	7.4
2013-14 TR6060 w/cooler	3.9	8.2
w/o cooler	3.4	7.2
2015 MT80	2.6	5.5

DIFFERENTIAL		
All ring gears:		
Standard	Synthetic 75W-140 GL-5	
Traction-Lok		
All ex. 2013-14 Shelby GT500	Synthetic 75W-140 GL-5 ^{1, 3}	
2013-14 Shelby GT500	Synthetic 75W-85 GL-5 ⁴	

CAPACITY, Refill ¹ :		
2005-10: 7.5 ¹ ring gear	1.5	3.5
8.8 ¹ ring gear	2.0	4.2
2011: w/5.4L	2.0	4.2
w/o 5.4L	2.5	5.3
2012: w/5.4L	2.0	4.2
w/o 5.4L	2.4	5.1
2013: 3.7L, 5.0L	2.4	5.0
5.8L w/cooler	2.8	6.0
5.8L w/o cooler	1.9	4.0
2014: 3.7L, 5.0L	1.9	4.0
5.8L w/cooler	2.8	6.0
5.8L w/o cooler	1.9	4.0
2015: 2.3L, 3.7L, 5.0L	1.5	3.5

1 Traction-Lok axles ex. Shelby & Boss: add 4 oz. of friction modifier. Ford Part No. CMAZ-198546-A, or equivalent meeting Ford Spec. EST-M2C118-A.
2 Fill to 1/4" (6 mm) below bottom of fill hole.
3 2012-13 Boss 302, add 5 oz. friction modifier meeting Ford Spec. EST-M2C118-A.
4 With cooler, add 6 oz. friction modifier meeting Ford Spec. EST-M2C118-A. Without cooler, add 4 oz. friction modifier meeting Ford Spec. EST-M2C118-A.

OTHER COMPONENTS		
Brake Fluid Reservoir: 2005-13	HB	
2014-15	HBH	
Clutch Fluid Reservoir: 2005-13	HB	
2014-15	HBH	
Power Steering Reservoir: 2005-10	MA5	

CARS & LIGHT TRUCKS

FORD, LINCOLN, MERCURY Continued

2004-05 FORD THUNDERBIRD		
2004-06 LINCOLN LS		
CRANKCASE SEO15		
2004-06 All temperatures 5W-20		
CAPACITY, Refill¹:		
	Liters	Qt
3.0L V6 2004-05	6.5	6.9
3.9L V8: 2004-05	6.2	6.6
2006	6.5	6.9
Thunderbird	6.2	6.6
¹ Capacities include filter change. After refill, check oil level.		
TRANSMISSION, Automatic MA5		
CAPACITY, Total Fill:		
	Liters	Qt
All	11.2 ¹	11.8 ¹
¹ Total fill, fill to bottom of fill hole. Transmission does not have a dipstick; refer to procedures in the Automatic Transmission Fluid Service Guide.		
TRANSMISSION, Manual MA5		
CAPACITY, Refill:		
	Liters	Pt
All	1.1	2.3
DIFFERENTIAL GL-5		
All temperatures Synthetic 75W-140		
CAPACITY, Refill:		
	Liters	Pt
2004-05	1.4 ¹	3.0 ¹
2006	1.3	2.7
¹ Fill to 1/8"-3/16" (2-15mm) below fill hole.		
OTHER COMPONENTS		
Brake Fluid Reservoir HB		
Clutch Fluid Reservoir HB		
Power Steering Reservoir MA5		
2005-07 FORD FIVE HUNDRED, FREESTYLE, MERCURY MONTEGO		
CRANKCASE SEO15		
All temperatures 5W-20		
CAPACITY, Refill¹:		
	Liters	Qt
3.0L V6	5.7	6.0
¹ Capacities include filter change. After refill, check oil level.		
TRANSMISSION, Automatic		
6-speed TIV		
CVT VTF05		
CAPACITY, Total Fill:		
	Liters	Qt
CVT: 2005	9.5	10.0
2006-07	9.8	10.1
6-speed: 2005-07	7.0	7.4
TRANSFER CASE GL-5		
All temperatures 75W-90		
CAPACITY, Refill:		
	Liters	Pt
All	0.9	1.9
DIFFERENTIAL		
Front GLS29		
Rear GL-5		
All temperatures 80W-90		
CAPACITY, Refill:		
	Liters	Pt
All	0.7	1.5
OTHER COMPONENTS		
Brake Fluid Reservoir HB		
Power Steering Reservoir MA5		
2004-07 FORD FREESTAR, MERCURY MONTEREY		
2004-07 FORD TAURUS, MERCURY SABLE		
CRANKCASE SEO15		
2004-07 All 5W-20		
CAPACITY, Refill¹:		
	Liters	Qt
2.5L	4.7	5.0
3.0L:		
ex. DOHC & SHO	4.3	4.5
DOHC: 2004	5.2	5.5
2005	5.7	6.0
2006	4.3	4.5
3.0L SHO, 3.2L SHO	4.7	5.0
3.4L SHO	6.2	6.5
3.9L, 4.2L	4.7	5.0
4.6L	5.7	6.0
¹ Capacity shown includes filter.		
TRANSAXLE, Automatic		
2004-07 MA5		
CAPACITY, Total Fill¹:		
	Liters	Qt
3-speed	7.9 ²	8.3 ²
AXOD	12.3 ³	12.9 ³
AX4S	11.6 ³	12.3 ³
AX4N (4F50N): 2004-07	12.3 ³	13.5 ³
Freestar & Monterey: 2004-05	13.0 ³	13.7 ³
2006-07	11.6 ³	12.3 ³
¹ When servicing transmission, use less fluid to refill.		
² Initial refill; with engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
³ Total (dry) fill. Approximate, make final check with dipstick. For transaxle, drain or refill, measure amount drained & add approximately same amount. Do not overfill. See Note 2.		
OTHER COMPONENTS		
Brake Fluid Reservoir HB		
Power Steering Reservoir MA5		

2007-14 FORD EDGE, 2007-15 LINCOLN MKX		
2009-15 FORD FLEX, LINCOLN MKS		
2008-15 FORD TAURUS		
2013-15 FORD TAURUS POLICE		
2008-09 FORD TAURUS X		
2010-15 LINCOLN MKT		
2008-09 MERCURY SABLE		
CRANKCASE		
All temperatures w/o Turbo 5W-20 SEO18		
All temperatures w/Turbo ¹ 5W-30 SEO19		
¹ 2010 Edge, MKS, MKT and Taurus use SAE 5W-20, SEO18.		
CAPACITY, Refill:		
	Liters	Qt
2007-11:		
3.5L	5.2	5.5
3.7L	5.2	5.5
2012:		
2.0L Edge, Flex w/ Turbo	5.4	5.7
3.5L Edge	5.7	6.0
3.5L Flex, Taurus w/ Turbo	5.2	5.5
3.5L Flex, MKS, MKT, Taurus w/o Turbo	5.2	5.5
3.7L Edge, MKX	5.7	6.0
3.7L MKS, MKT	5.2	5.5
2013-15:		
2.0L Edge, Taurus, MKT	5.4	5.7
2.0L Taurus Police 2015	5.4	5.7
3.5L Edge, Flex, Taurus, Taurus Police, MKS, MKT	5.7	6.0
3.7L Edge, MKS, MKT, MKX, Taurus Police	5.7	6.0
¹ Except 2010 Taurus, Flex, MKS, MKT use 5W-20, SEO18.		
TRANSMISSION/TRANSAXLE, Automatic		
2007-08 MA5		
2009 ex. Edge MA5		
2009 Edge MA5 ¹ , MLV ¹		
2010-15 MLV		
CAPACITY, Total Fill:		
	Liters	Qt
2007-09 6F50	9.5	10.0
2010: 6F50	8.9	9.4
6F55	9.7	10.2
2011: 6F50 Edge, MKX	10.5	11.1
2012-15: 6F50 Edge, MKX	10.4	11.0
2011-15:		
6F50: Flex, MKS, MKT, Taurus, Taurus Police	10.3	10.9
6F55	11.0	11.6
2012-15 6F35	8.5	9.0
¹ Check dipstick for correct fluid type.		
DIFFERENTIAL		
All 80W-90 GL-5		
CAPACITY, Refill:		
	Liters	Pt
All ex. 2014-15 Flex, MKT	1.15	2.43
2014 Flex, MKT	0.61	1.3
2015 Flex, MKT	1.15	2.43
POWER TRANSFER UNIT		
All Synthetic 75W-140 GL-5		
CAPACITY, Refill:		
	Liters	Pt
All ex. Edge, MKX	0.53	1.12
Edge, MKX	0.35	0.74
OTHER COMPONENTS		
Brake Fluid Reservoir:		
2007-12 HB		
2013: Flex, MKS, MKT, Taurus HBH		
Edge, MKX HB		
2014-15 HBH		
Power Steering Reservoir:		
2007-12 MA5		
2013-15 MLV		
2004-14 FORD FOCUS		
2012-14 FORD FOCUS ELECTRIC		
CRANKCASE		
2004-06 ex. SVT SEO15		
SVT SEO19		
2007-14 w/5W-30 SEO19		
w/5W-20 SEO18		
Escort, Focus, ZX2:		
2004: SVT Focus (2.0L) 5W-30		
2013-14 Focus ST 5W-30		
2004-14 Others 5W-20		
CAPACITY, Refill:		
	Liters	Qt
1.8L/1.9L	3.8	4.0
2.0L Ford SOHC	3.8	4.0
2.0L Ford DOHC 2005-14	4.3	4.5
2.0L Turbo	5.4	5.7
2.3L 2005-07	4.3	4.5
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSAXLE, Automatic		
Escort, ZX2 MA5		
Focus: 2003-11 MLV		
2012-14 ex. Electric SLO26		
2012-14 Electric MLV		

CAPACITY, Total Fill:		
	Liters	Qt
Escort, ZX2	3.9 ¹	4.1 ¹
Focus: 2004-11	6.6 ²	6.9 ²
2012-14 ex. Electric	1.8	1.9
2012-14 Electric	1.25	1.3
Focus ST 2013-14	1.7	1.8
¹ Initial refill. With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
² Total or dry fill capacity shown. Approximate, make final check with dipstick. For transaxle drain & refill, measure amount of fluid drained and add approximately same amount. Do not overfill. See Note 1.		
TRANSAXLE, Manual		
Escort MA5		
Focus: 2004-11 SLO30		
2012-14 ex. ST SLO19		
2013-14 ST SLO26		
CAPACITY, Refill:		
	Liters	Pt
Escort, ZX2	3.3	7.0
Focus: 2004-05	2.0	4.2
2006-11	1.9	4.0
2012-14 ex. ST	1.8	3.3
2013-14 ST	1.7	3.3
OTHER COMPONENTS		
Brake Fluid Reservoir:		
2004-11 HB		
2012-14 Focus Electric HBH		
2012 Focus ex. Electric HB		
2013-14 HBH		
Clutch Fluid Reservoir:		
2004-12 HB		
2013-14 HBH		
Power Steering Reservoir: 2002-11 MA5		
2013-14 FORD C-MAX		
2006-15 FORD FUSION, FUSION HYBRID, MERCURY MILAN		
2007-15 LINCOLN MKZ		
2006 LINCOLN ZEPHYR		
CRANKCASE		
All w/0W-20 SEO51		
All w/5W-20 SEO18		
All w/5W-30 SEO19		
2006-12: All temperatures 5W-20		
2013-15:		
1.5L, 1.6L, 2.5L, 3.7L All Temperatures 5W-20		
2.0L Turbo All Temperatures 5W-30		
2.0L Hybrid All Temperatures:		
ex. 2014 C-Max, 2015 Fusion Hybrid, MKZ Hybrid 5W-20		
2014 C-Max 0W-20		
2.0L Fusion Hybrid, All Temperatures 0W-20		
2.0L MKZ Hybrid, All Temperatures 0W-20		
CAPACITY, Refill¹:		
	Liters	Qt
2006-12:		
2.3L	4.3	4.5
2.5L ex. Hybrid	5.0	5.3
2.5L Hybrid	4.7	5.0
3.0L	5.7	6.0
3.5L	5.2	5.5
2013-15:		
1.5L Turbo	4.1	4.3
1.6L Turbo	4.1	4.3
2.0L Turbo	5.4	5.7
2.0L Hybrid	4.3	4.5
2.5L	5.4	5.7
3.7L	5.7	6.0
¹ Capacity shown includes filter. After refill, check oil level.		
TRANSAXLE, Automatic		
6-speed AW21/F21 TIV		
6F35/6F50 MLV		
CVT MLV		
FNRS SLO27		
HF35 MLV		
CAPACITY, Total Fill¹:		
	Liters	Qt
6-Speed AW21/F21	7.0	7.4
6F35	8.5	9.0
6F50	11.0	11.6
CVT: 2010-12	5.0	5.3
2013-14	5.4	5.7
FNRS	6.7	7.1
HF35	4.5	4.3
¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
TRANSAXLE, Manual		
2006-12 GL-4		
All temperatures 75W-90		
2013-15 SLO26		
CAPACITY, Refill:		
	Liters	Pt
2006-12	2.8	5.3
2013-15	1.7	3.5
POWER TRANSFER UNIT GL-5		
All temperatures Synthetic 75W-140		
CAPACITY, Refill:		
	Liters	Pt
2007-15 ex. 2015 MKZ	0.35	0.74
2015 MKZ: 2.0L	0.45	0.95
3.7L	0.53	1.1

CARS & LIGHT TRUCKS

FORD, LINCOLN, MERCURY Continued • FORD TRUCKS

DIFFERENTIAL	GL-5
All temperatures	80W-90
CAPACITY, Refill:	Liters Pt
2007-15	1.15 2.43
OTHER COMPONENTS	
Brake Fluid Reservoir: 2006-12	HB
2013-15	HBH
Power Steering Reservoir: 2006-12	MA5
Clutch Fluid Reservoir	HB

2011-15 FORD FIESTA 2015 LINCOLN MKC

CRANKCASE	
Fiesta 2011	SEO15
Fiesta 2012-15	SEO1B
All temperatures	5W-20
2015 MKC	SEO19
All temperatures	Synthetic 5W-30
CAPACITY, Refill:	Liters Qt
Fiesta: 2011-13	4.0 4.2
2014-15	4.1 4.3
MKC	5.4 5.7

1 Capacity shown is with filter. After refill, check oil level.	
TRANSMISSION/TRANSAXLE, Automatic	
2011-15 Fiesta	SL026
2015 MKC	MLV
CAPACITY, Total Fill:	Liters Qt
2011-15 Fiesta	1.7 1.8
2015 MKC	8.5 9.0

1 Total or dry fill capacity shown. Approximate, make final check with dipstick. For transaxle drain & refill, measure amount of fluid drained and add approximately same amount. Do not overfill.	
TRANSMISSION/TRANSAXLE, Manual	
All ex. ST	SL030
ST	SL026
CAPACITY, Refill:	Liters Pt
All ex. ST	2.1 4.4
ST	1.7 3.6

POWER TRANSFER UNIT		GL-5 ¹
2015 MKC	75W-140	
CAPACITY, Refill:	Liters Pt	
MKC	0.53 1.12	

1 Use GL-5 fluid meeting Ford Specifications WSL-M2C119-A.		
DIFFERENTIAL		GL-5 ¹
MKC	80W-90	
CAPACITY, Refill:	Liters Pt	
MKC	1.15 2.4	

1 Use GL-5 fluid meeting Ford Specifications WSL-M2C119-A.	
OTHER COMPONENTS	
Brake Fluid Reservoir: 2011-13	HB
2014-15	HBH
Clutch Fluid Reservoir: 2011-13	HB
2014-15	HBH

FORD TRUCKS

2004-11 FORD RANGER 2004-09 MAZDA B2300, B2500, B3000, B4000

CRANKCASE	
4.0L	5W-30 SEO19
All others	5W-20 SEO15
CAPACITY, Refill:	Liters Qt
B Series: 2.3L	3.8 4.0
2.5L	4.3 4.5
3.0L	4.3 4.5
4.0L	4.7 5.0
Ranger:	
2.3L	3.8 4.0
2.5L	4.3 4.5
3.0L	
2004-06	4.3 4.5
2007-08	4.7 5.0
4.0L	4.7 5.0

1 Capacity shown includes filter. After refill, check oil level.		
TRANSMISSION, Automatic		MA5
CAPACITY, Initial Refill:	Liters Qt	
2004-11:		
2.3L	9.42 9.92	
3.0L, 4.0L, 2WD	9.52 10.02	
4WD	9.62 10.32	

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
2 Total dry fill shown.		
TRANSMISSION, Manual		MA5
CAPACITY, Refill:	Liters Pt	
All	2.6 5.5	

TRANSFER CASE	
2004-11	SL028
CAPACITY, Refill:	Liters Pt
All	1.2 2.5

DIFFERENTIAL	
Front	80W-90 GL-5
Rear: All w/o FX4	80W-90 GL-5 ¹
All w/FX4	Synthetic 75W-140 GL-5 ¹

CAPACITY, Refill:	Liters	Pt
Front:		
B-Series:		
2004-06	1.5	3.2
Ranger:		
2004-08	1.7	3.6
Rear 2.3:		
Ranger, B-Series:		
2004-11: w/o FX4	2.4-2.5	5.0-5.3
w/FX4	2.5-2.6	5.2-5.5

1 Add 4 oz. of friction modifier meeting Ford Spec. EST-M2C118-A for complete refill of traction-lok axles.		
2 Fill no more than 1/4"-9/16" below fill plug hole.		
3 Traction-lok axles use 2.2-2.4L (4.75-5.0 pt) of fluid.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
Power Steering Reservoir: 2004-11	MA5	

2004-05 ECONOLINE VANS CRANKCASE:

Gasoline	SEO15
All temperatures	5W-20
Diesel:	
2004-05	CI-4/SL, CH-4, CG-4/SH
Above 10°F (-12°C)	15W-40 ^{1,2}
-10°F to 90°F (-23°C to 32°C)	10W-30 ²
Below 30°F (-1°C)	5W-30
Below 0°F (-18°C)	0W-30

CAPACITY, Refill:	Liters	Qt
All Gasoline	5.7	6.0
Diesel 2004-05	14.2	15.0

1 Preferred above 30°F (-1°C).	
2 Preferred from -10°F to 30°F (-23°C to 1°C).	
3 15W-40 recommended for above 50°F (10°C), and must be used when towing a trailer or heavy duty driving.	
4 Capacity shown includes filter. After refill, check oil level.	
TRANSMISSION, Automatic	
2004-05 4R70/75 E-W, 4R100	MA5
2004-05 Torqshift	MLV
CAPACITY, Initial Refill:	Liters Qt
2004-05 4R70/75 E-W	4.7 5.0
2004 4R100	6.1 6.5
Torqshift 5-speed 2004-05	7.0 7.4

1 With engine at operating temperature, shift transmission through all gears.	
DIFFERENTIAL	
Dana axles:	
2004-05:	
ex. M60-IU	
Conventional	GL-5 ¹
Traction-Lok	GL-5 ^{1,2}
All temperatures	80W-90
M60-IU:	
Conventional	GL-5 ¹
Traction-Lok	GL-5 ^{1,2}
All temperatures	90

2005:	
E350 w/M70 (M248)	GL-5 ^{1,2}
All temperatures	Synthetic 75W-140
E350 w/M70 HD limited slip	GL-5 ^{1,2}
Others w/limited slip	GL-5 ^{1,2}
Others w/conventional	GL-5
All temperatures	Synthetic 80W-90

Visteon axles:	
All ex. 2005:	
Conventional	GL-5
Traction-Lok	GL-5 ^{1,2}
All temperatures	Synthetic 75W-90
2005	
Conventional	GL-5
Traction-Lok	GL-5 ^{1,2}
All temperatures	Synthetic 75W-140

CAPACITY, Refill:	Liters	Pt
Dana:		
M60-IU	3.0	6.3
M70-2U	3.1	6.6
M70-1HD	3.5	7.5
80 2001	3.9	8.25
M70FF	3.2	6.8
M60	3.0	6.3
M70HD:		
E-350 DSO	3.5	7.4
E-450	3.9	8.3
Ford 8.8", 9.75"	2.6-2.7	5.5-5.8
Visteon 8.8", 9.75"	2.6-2.7	5.8-5.8

1 Axles subject to frequent trailer towing particularly in hot or hilly areas, use synthetic 75W-140 GL-5.		
2 Add 4 oz. of friction modifier. For complete axle fill.		
3 Add 8 oz. of friction modifier. For complete axle fill.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir 2004-05	MA5	

2006-14 ECONOLINE VANS

CRANKCASE:	
Gasoline: 2006-11	5W-20 SEO15
2012-14	5W-20 SEO1B
Diesel: 2006-07	CI-4+1, CI-4/SL, CH-4
2008-10	CJ-4, CJ-4/SM
2006-10	
Above 10°F (-12°C)	15W-40 ^{2,3}
-10°F to 90°F (-23°C to 32°C)	10W-30 ⁴
Below 30°F (-1°C)	5W-30, 5W-40
Below 0°F (-18°C)	0W-30

CAPACITY, Refill:	Liters	Qt
Gasoline: 2006-10 4.6L, 5.4L	5.7	6.0
2006-10 6.8L	6.5	7.0
2011-14	5.7	6.0
Diesel	14.2	15.0

1 Preferred.	
2 Preferred above 30°F (-1°C).	
3 Recommended for trailer towing.	
4 Preferred from -10°F to 30°F (-23°C to 1°C).	
5 Capacity shown includes filter. After refill, check oil level.	
TRANSMISSION, Automatic	
4R70/75 E-W:	
2006-08	MA5
2009-14	MLV
5R110W	MLV
CAPACITY, Initial Refill:	Liters Qt
4R70/75 E-W:	
2006-07	4.7 5.0
2008-14	13.1 ² 13.9 ²
5R110W:	
2006-07	7.0 7.4
2008-14	17.7 ² 18.8 ²

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.	
2 Total dry fill capacity.	
DIFFERENTIAL	
2006:	
Dana Axles ex. E-350 w/Dana M70 (M248)	
Conventional	80W-90 GL-5
Limited Slip	90 GL-5 ^{1,2}
E-350 w/Dana M70 (M248)	
Conventional	Synthetic 75W-140 GL-5
Limited Slip	Synthetic 75W-140 GL-5 ^{1,2}
Visteon 8.8", 9.75"	
Conventional	Synthetic 75W-140 GL-5
Traction-Lok	Synthetic 75W-140 GL-5 ¹

2007-13:	
Dana Axles: ex. E-350 w/Dana M60 (M248)	
4.10 axle ratio:	
Conventional	80W-90 GL-5
Limited Slip	90 GL-5 ^{1,2}
2014:	
Dana Axles ex. E350 w/Dana M60 (M248)	
w/4.10 axle ratio:	
Conventional	80W-90 GL-5
Limited Slip	75W-90 GL-5 ^{1,2}

2007-14:		
E-350 w/Dana M60 (M248) 4.10 axle ratio:		
Conventional	Synthetic 75W-140 GL-5	
Limited Slip	Synthetic 75W-140 GL-5 ^{1,2}	
CAPACITY, Refill:	Liters	Pt
Dana M60:		
2006	3.0	6.3
2007-09	2.8	5.9
2010-14 w/Limited Slip	2.8	5.9
w/o Limited Slip	2.9	6.2
Dana M70	3.0	6.3
Dana M70FF:		
2006:		
Limited Slip	3.2	6.8
Conventional	3.1	6.6
2007-14	3.1	6.6
2012-14 Dana M70HD	4.3	9.0
Visteon 8.8", 9.75"	2.6	5.5

1 Add 4 oz. of friction modifier meeting Ford specification EST-M2C118-A or equivalent.		
2 Dana limited-slip axles (E-250, E-350) add 8 oz. of friction modifier meeting Ford specification EST-M2C118-A or equivalent.		
3 2007-09: Only for Dana (M60) limited-slip axles add 8 oz. of friction modifier meeting Ford specification EST-M2C118-A or equivalent.		
4 2010-14: Dana (M60) limited slip axles add 6 oz. of XL-3 friction modifier meeting for specific axles EST-M2C118-A or equivalent.		
5 Fill 1/4" to 9/16" (6 mm to 14 mm) below bottom of fill hole.		

OTHER COMPONENTS	
Brake Fluid Reservoir: 2006-13	HB
2014	HBH
Power Steering Reservoir:	
2006-07	MA
2008-14	MA5

CARS & LIGHT TRUCKS

FORD TRUCKS Continued

2004-10 FORD F-150

2006-08 LINCOLN MARK LT

CRANKCASE

All5W-20 SEO15

CAPACITY, Refill¹: Liters Qt

VIN Code 5 2004-10 6.6 7.0

All others 5.7 6.0

¹ Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

2004 E4OD, 4R100MA5

2004-10 4R70/75 E-WMA5

2009-10 6R80MLV

CAPACITY, Total Fill^{1,2}: Liters Qt

2004 Heritage:

4R100 (4x2) 16.1 17.0

4R100 (4x4) 16.7 17.7

4R70/75 E-W 13.2 13.9

2004-10 4R70/75 E-W 13.2 13.9

2009 6R80 13.2 13.9

2010 6R80:

4.6L 11.4 12.1

5.4L 12.4 13.1

Manual

2004-08MA5

CAPACITY, Refill¹: Liters Qt

5-speed 3.5 7.4

¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

² Total (dry) capacity. Approximate, make final check with dipstick.

TRANSFER CASE

2004-10SLO28

CAPACITY, Refill¹: Liters Qt

2004-08 1.9 4.0

2009-10 1.5 3.2

DIFFERENTIAL

Front:

2004-10GL-5

All temperatures80W-90

Rear:

ConventionalGL-5

Traction-LokGL-5¹

2004-10 All temperaturesSynthetic 75W-140

CAPACITY, Refill¹: Liters Qt

Front:

2004-07 2.0 3.7

2009-10 1.8 3.5

Rear:

8.8", 9.75" 2.6¹ 5.5¹

10.25" 3.3¹ 6.9¹

2004 3.3² 6.9²

2005-08 3.3² 6.9²

¹ Add 4 oz. of friction modifier, Ford specification EST-M2C118-A for complete refill of traction-lok axles.

² Add 8 oz. of friction modifier, Ford specification EST-M2C118-A for complete refill of traction-lok axles.

OTHER COMPONENTS

Brake Fluid ReservoirHBH

Clutch Fluid ReservoirHBH

Power Steering Reservoir: 2004-10MA5

2004-15 FORD EXPEDITION, LINCOLN NAVIGATOR

CRANKCASE

2004-115W-20 SEO15

2012-145W-20 SEO18

20155W-30 SEO19

CAPACITY, Refill¹: Liters Qt

2004-14 6.6 7.0

2015 5.7 6.0

¹ Capacity shown includes filter. After refill, check oil level.

TRANSMISSION

Automatic

4R70W 2004-06MA5

4R100, E4ODMA5

6HP26MSP

6R75MSP

6R80MLV

CAPACITY, Initial Refill¹: Liters Qt

4R70W 4.7 5.0

4R100, E4OD 6.1 6.5

6HP26: 2005-06 4.7² 5.0²

2007-08 9.0^{2,3} 9.5^{2,3}

2007-08 6R75 10.5³ 11.0³

2009-15 6R80 12.4³ 13.1³

¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

² Transmission has no dipstick, refer to procedures in Automatic Transmission Fluid Service Guide

³ Total or dry fill.

TRANSFER CASE

2004-11SLO28

2012-15: w/Torque On DemandMLV

w/Electronic Shift on the FlySLO28

CAPACITY, Refill: Liters Pt

2004-06 1.9 4.0

2007-11 1.7 3.6

2012-15: w/Torque On Demand 1.4 2.9

w/Electronic Shift on the Fly 1.5-1.7 3.2-3.6

DIFFERENTIAL

FrontGL-5

All temperatures80W-90

Rear:

ConventionalGL-5

Traction-LokGL-5¹

2004-14 All temperaturesSynthetic 75W-140

2015 All temperaturesSynthetic 75W-85

CAPACITY, Refill: Liters Pt

Front:

2004-07 1.8-2.0 3.8-4.2

2008 1.8 3.8

2009-15 1.7 3.6

Rear:

2004: 8.8" Conventional 1.9² 4.0

8.8" Traction-Lok 1.8² 3.8

9.75" Conventional 2.1 4.4

9.75" Traction-Lok 2.0 4.2

2005-06 9.75" 2.0 4.2

2007-15: 9.75" Conventional 2.1 4.5

9.75" Traction-Lok 2.0 4.2

¹ Add 4oz. of friction modifier for complete axle refill.

² 8.8" have removable cover.

OTHER COMPONENTS

Brake Fluid Reservoir: 2004-13HB

2014HBH

2015HB

Power Steering Reservoir: 2004-13MA5

2014MLV

2015Electric

2004-05 FORD EXPLORER SPORT

2004-05 & 2007 FORD SPORT TRAC

CRANKCASE

4.0LSEO19

4.6LSEO15

All temperatures:

4.0L5W-30

4.6L5W-20

CAPACITY, Refill¹: Liters Qt

4.0L 4.7 5.0

4.6L 5.7 6.0

¹ Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic

2004-05 AllMA5

2007 6R60MSP

CAPACITY, Initial Refill¹: Liters Qt

2007 Explorer Sport Trac:

6R60 10.6² 11.2²

5R55S 11.7² 12.4²

2004-07 4.0L:

2WD 9.5² 10.0²

4WD 9.8² 10.3²

¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

² Total fill shown.

TRANSMISSION, Manual

2004-05 AllMA5

CAPACITY, Refill: Liters Pt

All 2.6 5.5

TRANSFER CASE

2004-07 Explorer, MountaineerSLO28

2004-07 Explorer, MountaineerSLO28

w/4WD 1.4 3.0

2004-05 All 1.2 2.5

2007 Explorer Sport Trac 1.4 3.0

DIFFERENTIAL

Front:

2004-07 othersGL-5

All temperaturesSynthetic 75W-90

Rear:

Conventional:

2004-07 AllGL-5

All temperatures80W-90

Traction-Lok

2004-07 All othersGL-5¹

All temperatures80W-90

2004-05 & 2007

Sport TracGL-5^{1,2}

All temperaturesSynthetic 75W-140

CAPACITY, Refill: Liters Pt

Front:

Explorer, Mountaineer: 2004-05 1.5 3.2

Explorer Sport Trac: 2004 1.7 3.6

2005 1.5 3.2

2007 1.3 2.7

CAPACITY, Refill: Liters Pt

Rear:

Explorer Sport, Sport Trac 2.6³ 5.5³

Sport Trac 2005:

Conventional 2.3³ 4.9³

Traction-Lok 2.4³ 5.1³

Sport Trac 2007: 1.7³ 3.6³

¹ Add 4 oz. of friction modifier for complete axle refill.

² Add 4 oz. of friction modifier Ford Spec ES-4L3W-M2C1196-BA.

³ Fill to no more than 1/4" - 3/16" below fill hole.

OTHER COMPONENTS

Brake Fluid ReservoirHB

Clutch Fluid ReservoirHB

Power Steering ReservoirMA5

2004-06 EXCURSION, F250 HD, F350, F450, F550

CRANKCASE

GasolineSEO15

DieselCH-4, CI-4, CI-4+

Gasoline:

All temperatures5W-20

Diesel:

Above 30°F (-1°C)15W-40

-10° to 30°F (-23° to -1°C)10W-30

Below -10°F (-1°C)0W-30

CAPACITY, Refill¹: Liters Qt

Gasoline

2004 5.7 6.0

2005-06:

Code S, 5.4L 6.6 7.0

Code V, Y, 6.8L 6.6 7.0

Diesel 14.1 14.9

¹ Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic

4R100MA5

5R110WMLV

CAPACITY, Initial Refill¹: Liters Qt

4R100 6.1 6.5

5R110W 7.1 7.5

¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION, Manual

All othersMA5

CAPACITY, Refill: Liters Pt

5-speed ZF S5-47 3.2 6.8

6-speed ZF S6-650: w/o oil cooler 5.5 11.6

w/oil cooler 6.0 12.7

TRANSFER CASE

2004-06SLO28

CAPACITY, Refill: Liters Pt

NV271 1.9 4.0

DIFFERENTIAL

Front:

2004-06GL-5

All temperatures90

Rear:

Conventional:

2004-06 Dana 80GL-5

All temperaturesSynthetic 75W-90

Ford axlesGL-5

All temperaturesSynthetic 75W-140

2004-06 Dana S110, 130, 135GL-5

All temperaturesSynthetic 75W-²40

Traction-Lok

2004-06 Dana 80GL-5^{1,2}

All temperaturesSynthetic 75W-90

2004 Dana 135GL-5^{1,2}

All temperaturesSynthetic 75W-²40

Ford axles

CARS & LIGHT TRUCKS

FORD TRUCKS Continued

2007-15 F250, F350, F450, F550 CRANKCASE

Gasoline: 2007-115W-20 SEO15
2012-155W-20 SEO18

Diesel

2007	.....CI-4 Plus		
Above 13°F (-12°C)	.....15W-40 ¹		
-10°F to 90°F (-23°C to 32°C)	.....10W-30 ²		
Below 30°F (-1°C)	.....5W-30		
Below 0°F (-18°C)	.....0W-30		
2008-10	.....CJ-4		
Above 20°F (-7°C)	.....15W-40 ¹		
0°F to 50°F (-18°C to 10°C)	.....10W-30		
Above -20°F (-29°C)	.....5W-40 ¹		
Below 50°F (10°C)	.....0W-40/0W-30		
2011-15	.....CJ-4		
All temperatures	.....0W-30, 0W-40		
Above -20°F (-29°C)	.....5W-40 ¹		
Above 20°F (-7°C)	.....15W-40 ¹		
Above 0°F (-18°C)	.....10W-30 ⁵		

CAPACITY, Refill ¹ :	Liters	Qt
Gasoline	6.6	7.0
6.0L 6.4L Diesel	14.2	15.0
2011-15 6.7L Diesel	12.4	13.1

- 1 Preferred above 30°F (-1°C).
- 2 Protected from -10°F to 30°F (-23°C to -1°C).
- 3 Capacity shown includes filter. After refill, check oil level.
- 4 15W-40 and 5W-40 oils are recommended for above 50°F (10°C) and must be used when towing a trailer or heavy duty driving.
- 5 Normal usage.
- 6 For severe duty usage, use 5W-40.
- 7 For Bio Diesel B6-B20, use 5W-40 or 15W-40.

DIESEL EXHAUST FLUID

AllDEF		
CAPACITY, Refill:	Liters	Gal	
Pickup	18.9	5.0	
Chassis Cab	22.7	6.0	

TRANSMISSION/TRANSAXLE, Automatic

2007-15MLV		
CAPACITY, Initial Refill:	Liters	Qt	
5R110W	7.1	7.5	
6R140:			
2011-12 Late Production	7.8	8.2	
Early Production	9.5	10.0	
2013-15	7.8	8.2	

Manual

5-Speed	.....MAS		
6-Speed:			
2007	.....MAS		
2008	.....SL030		
2009-10: w/Diesel	.....SL030		
w/Gas	.....MAS		

CAPACITY, Refill:	Liters	Pt
5-speed	3.5	7.4
6-speed	5.5	11.6

TRANSFER CASE

2007-15SL028		
CAPACITY, Refill:	Liters	Pt	
All	1.9	4.0	

DIFFERENTIAL

Front80W-90 GL-5		
Rear: Dana 80Synthetic 75W-90 GL-5		
Dana S110/S130Synthetic 75W-140 GL-5		
10.5" axleSynthetic 75W-140 GL-5 ¹		
CAPACITY, Refill:	Liters	Pt	
Front	2.8	5.8	
Rear: 10.5" axle	3.3 ¹	6.9 ¹	
Dana S110, S130	6.6	14.0	
Dana 80	4.0	8.5	

- 1 Add 5 oz. friction modifier Ford spec Est-M2C118-A for complete axle fill.

OTHER COMPONENTS

Brake Fluid Reservoir: 2007-13	.....HB
2014-15	.....HBH
Clutch Fluid Reservoir	.....HB
Power Steering Fluid: 2007-13	.....MAS
2014-15	.....MLV

2011-15 FORD F150 CRANKCASE

2011 w/5W-20	.....SEO15		
2012-15 w/5W-20	.....SEO18		
2011-15 w/5W-30	.....SEO19		
2.7L, 3.5L All temperatures	.....5W-30		
3.7L, 5.0L, 6.2L: All temperatures	.....5W-20		

CAPACITY, Refill ¹ :	Liters	Qt
2.7L	5.7	6.0
3.5L, 3.7L 2011-14	5.7	6.0
3.5L 2015	6.0	6.3
5.0L	7.3	7.7
6.2L	6.6	7.0

- 1 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

AllMLV		
CAPACITY, Total Fill ¹ :	Liters	Qt	
3.7L	11.7	12.1	
All others	12.4	13.1	

TRANSFER CASE

2011SL028
2012-15: w/Torque On DemandMLV
w/Electronic Shift On The FlySL028

Raptor

CAPACITY, Refill:	Liters	Pt
2011	1.5	3.2
2012-15: w/Electronic Shift On The Fly	1.4	2.9
w/Torque On Demand	1.4	2.9
Raptor	1.4-1.5	2.9-3.1

DIFFERENTIAL

Front	.....GL-5		
All temperatures	.....80W-90		
Rear ex. 2014 Raptor:			
Conventional	.....GL-5		
Traction-Lok	.....GL-5*1		
All temperatures	.....Synthetic 75W-140		
2014 Raptor	.....Synthetic 75W-85 Hypoid Gear Oil		

CAPACITY, Refill:

Front: Raptor [2]	1.7	3.6
2011-13 ex. Raptor	1.8	3.8
2014-15 ex. Raptor	1.7	3.6
Rear	2.6	5.5

- 1 Add 4 oz. of friction modifier, Ford specification ESTM2C118-A for a complete refill of Traction-Lok axles.
- 2 Add 4 oz. of XL-3 to torsion equipped front differential (Raptor).

OTHER COMPONENTS

Brake Fluid Reservoir: 2011-13	.....HB
2014-15	.....HBH
Power Steering Reservoir 6.2L: 2011-13	.....MAS
2014	.....MLV
2015	.....Electric

2004-12 FORD ESCAPE, ESCAPE HYBRID

2015 FORD ESCAPE ELECTRIC

2004-11 MAZDA TRIBUTE

2004-11 MERCURY MARINER, MARINER HYBRID

CRANKCASE

2004-11SEO15		
2012SEO18		
All temperatures5W-20		
CAPACITY, Refill ¹ :	Liters	Qt	
2.0L, 2.3L	4.3	4.5	
2.5L: 2009-10	4.7	5.0	
2011-12	5.0	5.3	
3.0L: 2004	5.2	5.5	
2005-12	5.7	6.0	

- 1 Capacity shown includes filter. After refill, check oil level.

TRANSAXLE, Automatic

2004-08MAS		
2009-11: Escape, Mariner, TributeMLV		
2012 EscapeMLV		
2009-12 CVTMLV		
CAPACITY, Initial Refill ¹ :	Liters	Qt	
CD4E: 2004	3.7	3.9	
2005-10	9.5 ²	10.0 ²	
ECVT Hybrid	5.0 ²	5.3 ²	
6F35: 2009-12 6-Speed	8.5 ²	9.0 ²	

- 1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.
- 2 Approximate. Total dry fill.

TRANSAXLE, Manual

All temperatures75W-90		
CAPACITY, Refill:	Liters	Pt	
2004: FWD	2.7	5.7	
4WD	2.2	4.6	
2005-07: FWD	2.3	4.9	
4WD	2.4	5.1	
2008	2.4	5.1	
2009-11 Escape, Mariner	2.3	4.9	
2012 Escape	2.3	4.9	
2009-11 Tribute	2.3	4.9	

POWER TAKEOFF (Center Differential)

2004-07:			
4WD w/AT	.....GL-5		
All temperatures	.....Synthetic 75W-140		
4WD w/MT	.....GL-5		
All temperatures	.....80W-90		

2008-11:

Escape, Mariner	.....Synthetic 75W-140 GL-5		
Tribute: 4WD w/AT	.....Synthetic 75W-140 GL-5		
4WD w/MT	.....80W-90 GL-5		
2012 Escape	.....Synthetic 75W-140 GL-5		
CAPACITY, Refill:	Liters	Pt	
All	0.4	0.8	

DIFFERENTIAL, Rear

All temperatures80W-90		
CAPACITY, Refill:	Liters	Pt	
All ex. Hybrid, Tribute:			
2004-07	1.4	3.0	
2008-12	1.15	2.43	

CAPACITY, Refill:	Liters	Pt
Hybrid Models	1.4	3.0
Tribute: 2004-06	1.4	3.0
2008-11	1.15	2.43

OTHER COMPONENTS

Brake Fluid Reservoir	.....HB
Clutch Fluid Reservoir	.....HB
Power Steering Reservoir: 2004-07	.....MAS

2004-07 FORD EXPLORER

4-DOOR (EX. SPORT-TRAC)

2008-10 FORD EXPLORER, SPORT-TRAC

2004-05 LINCOLN AVIATOR

2004-10 MERCURY MOUNTAINEER

CRANKCASE

w/5W-20	.....SEO15		
w/5W-30	.....SEO19		
4.0L All temperatures	.....5W-30		
4.6L All temperatures	.....5W-20		
CAPACITY, Refill ¹ :	Liters	Qt	
4.0L	4.7	5.0	
4.6L	5.7	6.0	

- 1 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic

5R55W, 5R55SMAS		
6R60MSP		
6R80MLV		
CAPACITY, Total fill ¹ :	Liters	Qt	
5R55W: 2004-05	12.0 ²	12.7 ²	
5R55S: 2006	12.3	13.0	
2007-08	11.7	12.4	
2010	12.0	12.7	
6R60	10.5 ²	11.0 ²	
6R80: 2009	10.0	11.2	
2010	11.4	12.1	

- 1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.
- 2 Total fill shown. Transmission does not have a dipstick.

TRANSFER CASE

2004-10SL028		
CAPACITY, Refill:	Liters	Pt	
AWD	1.3	2.7	
4WD	1.4	3.0	

DIFFERENTIAL

Front:	.....GL-5		
All temperatures	.....80W-90		
Rear: ex. Limited-Slip	.....GL-5		
Limited-Slip	.....GL-5*1		
All temperatures	.....Synthetic 75W-140		
CAPACITY, Refill:	Liters	Pt	

Front:			
Aviator	1.3	2.7	
Explorer: 2004-05	1.7	3.6	
2006-10	1.3	2.7	
Mountaineer: 2004-10	1.3	2.7	
Rear: Conventional	1.7 ²	3.6 ²	
Traction-Lok	1.7 ²	3.6 ²	

- 1 Add 4 oz. of friction modifier for complete axle fill.
- 2 Fill to 1/4" below fill plug hole.

OTHER COMPONENTS

Brake Fluid Reservoir	.....HB
Clutch Fluid Reservoir	.....HB
Power Steering Reservoir: 2004-10	.....MAS

2011-15 FORD EXPLORER

2013-15 FORD POLICE UTILITY EXPLORER

2013-15 FORD ESCAPE

CRANKCASE

2011 w/5W-20	.....SEO15		
2012-15 w/5W-20	.....SEO18		
2011-15 w/5W-30	.....SEO19		
1.6L, 2.5L, all temperatures	.....5W-20		
2.0L, all temperatures	.....5W-30		
3.5L Non-Turbo, all temperatures	.....5W-20		
3.5L Turbo, all temperatures	.....5W-30		
3.7L, all temperatures	.....5W-20		
CAPACITY, Refill ¹ :	Liters	Qt	
1.6L	4.1	4.3	
2.0L, 2.5L	5.4	5.7	
3.5L Non-Turbo	5.7	6.0	
3.5L Turbo	5.7	6.0	
3.7L	5.7	6.0	

- 1 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

2013-15 EscapeMLV		
2011-15 Explorer, Police UtilityMLV		
CAPACITY, Total Fill ¹ :	Liters	Qt	
2011	12.0	12.7	
2012-15: 6F35 Escape, Explorer	8.5	9.0	
6F50 Explorer, Police Utility	10.3	10.8	
6F55 Explorer, Police Utility	11.0	11.6	

- 1 Total or dry fill capacity shown.

CARS & LIGHT TRUCKS

FORD TRUCKS Continued • HONDA

DIFFERENTIAL		
Rear 2011-15	GL-5	
All temperatures	Synthetic 80W-90	
CAPACITY, Refill¹:	Liters	Pt
Escape: 2013-15	1.2	2.4
Explorer: 2011 Rear	1.7	3.6
2012-15 Rear	1.2	2.4
Police Utility	1.2	2.4
POWER TRANSFER UNIT		
2011-15	Synthetic 75W-140	GL-5
CAPACITY, Refill¹:	Liters	Pt
All	0.5	1.1

OTHER COMPONENTS		
Brake Fluid Reservoir:		
2011-12	HB	
2013-15	HBH	

2010-15 TRANSIT CONNECT

CRANKCASE		
2010-11	SEO15	
2012-15	SEO18	
All	5W-20	
CAPACITY, Refill¹:	Liters	Qt
1.6L	4.0	4.3
2.0L	4.3	4.5
2.5L	5.4	5.7

TRANSMISSION/TRANSAXLE, Automatic		
All	MLV	
CAPACITY, Total Refill¹:	Liters	Qt
4F27E	6.7	7.0
6F35 2014-15	8.5	9.0

OTHER COMPONENTS		
Brake Fluid Reservoir.....HBH		
Power Steering Reservoir 2010-13.....MAS		

2015 TRANSIT

CRANKCASE		
Diesel	CJ-4	
Gasoline:		
3.5L	5W-30	SEO19
3.7L	5W-20	SEO18
CAPACITY, Refill¹:	Liters	Qt
3.2L Diesel	11.4	12.0
3.5L	5.6	5.9
3.7L	5.7	6.0

TRANSMISSION/TRANSAXLE, Automatic		
All	MLV	
CAPACITY, Total Refill¹:	Liters	Qt
All	12.4	13.1

DIFFERENTIAL		
Rear:		
Ex. Limited-Slip	GL-5	
Limited-Slip	GL-5★ ¹	
All temperatures	Synthetic 80W-90	
CAPACITY, Refill¹:	Liters	Pt
Rear: Non Limited-Slip	2.8-2.9	6.0-6.1
Limited-Slip	2.7-2.8	5.7-5.9

OTHER COMPONENTS		
Brake Fluid Reservoir.....HBH		
Power Steering Fluid.....MLV		

HONDA		
PASSPORT—SEE ISUZU		
2004-15 ACCORD, ODYSSEY		
2010-15 ACCORD CROSSTOUR		
2015 ACCORD HYBRID		
2004-06, 2010-14 INSIGHT		
2004-09 S2000		
CRANKCASE.....API★		
2004-10 Accord, Odyssey:	5W-20 ¹	
All temperatures		
2011-15 Accord, Odyssey:	0W-20	
All temperatures		
2010-15 Accord Crosstour:	0W-20	
All temperatures		
2015 Accord Hybrid	0W-20	
Insight:		
2004-06, all temperatures	0W-20 ^{2,4}	
2010-14	0W-20	
S2000:		
Above -5°F (-20°C)	10W-30 ⁴	
All temperatures	5W-40	

CAPACITY, Refill¹:		
Accord, Crosstour:		
2.3L	4.3	4.5
2.4L 2004-09	4.2	4.4
2010-12	4.0	4.2
2013-15	4.2	4.4
3.0L 2004-07	4.3	4.5
3.5L 2008-15	4.3	4.5
Accord Hybrid 2015	3.7	3.9
Insight: 2004-06	2.5	2.6
2010-14	3.2	3.4
Odyssey	4.3	4.5
S2000	4.8	5.1

1 5W-30 may be used only if 5W-20 is not available.
2 5W-20 or 5W-30 may be used only if 0W-20 is not available.
3 Capacity shown includes filter. After refill, check oil level.
4 Preferred.

TRANSMISSION/TRANSAXLE

2013-15 Accord Sedan/Coupe CVT	VTF20	
All other CVT	VTF01	
All others: 2004-10	SLO40	
2011-15	SLO01	

CAPACITY, Refill¹:		
Accord:		
2004-06: 4-cyl.	2.8	3.0
V6	2.9	3.1
2007: 4-cyl.	2.9	3.1
V6	3.0	3.2
2008: 4-cyl.	2.8	3.0
V6	3.3	3.5
2009-12: 4-cyl.	2.5	2.6
V6	3.3	3.5
2013: CVT	3.5	3.7
A/T	3.1	3.3
2014-15: CVT	3.7	3.9
A/T	3.1	3.3

Accord Crosstour:		
2010-13: 2WD	3.3	3.5
4WD	2.8	3.0
2014-15: 2.4L	2.5	2.6
3.5L	3.1	3.3
Accord Hybrid 2015	2.4	2.5
Insight: 2004-06	3.3	3.5
2010-14	2.8	3.0

Odyssey:		
2004	3.3	3.5
2005-10	3.1	3.3
2011-13: 5-speed	3.1	3.3
6-speed	3.4	3.6
2014-15	3.1	3.3

1 With the engine at operating temperature, shift transmission through all gears. Turn engine off and check fluid level within 1 minute.

TRANSMISSION/TRANSAXLE, Manual

Manual	GLS42	
CAPACITY, Refill:		
Accord:		
2004-07:		
4-cyl.	1.9	4.0
6-cyl.	2.2	4.7
2008-13:		
4-cyl.	1.9	4.0
6-cyl.	2.1	4.4
2014	1.9	4.0
2015 4-cyl.	1.9	4.0
Insight	1.5	3.2
S2000 2004-09	1.6	3.4

TRANSFER CASE

2010-14 Accord Crosstour	GL4, GL5	
Above 0°F (-18°C)	90	
2015 Accord Crosstour	SLO03	
CAPACITY, Refill:	Liters	Pt
2010-15 Accord Crosstour	0.4	0.9

DIFFERENTIAL

2010-15 Accord Crosstour	GLS41	
CAPACITY, Refill:	Liters	Pt
2010-15 Accord Crosstour	1.2	2.5
DIFFERENTIAL, Rear		
S2000	GL-5, GL-6	
All temperatures	90	
CAPACITY, Refill:	Liters	Pt
S2000	0.7	1.5

OTHER COMPONENTS		
Brake Master Cylinder.....HB		
Clutch Fluid.....HB		
Power Steering.....PS002		

2004-13 CIVIC

2004-15 CIVIC HYBRID

2004-15 CR-V

2011-15 CR-Z

2003-11 ELEMENT

2007-13, 2015 FIT

2004-15 PILOT

2006-14 RIDGELINE

CRANKCASE.....API★		
2004-11 Civic Ex. SI & Hybrid All temperatures	5W-20 ¹	
2012-13 Civic	0W-20	

Civic Hybrid All temperatures.....0W-20		
Civic SI:		
2004-05 All temperatures	5W-20	
2006-11 All temperatures	5W-30	
2004-11 Element	5W-20 ¹	
Ridgeline:		
2006-11	5W-20 ¹	
2012-14	0W-20	
Fit:		
2007-10	5W-20	
2011-13	0W-20	
2015	0W-20	

Pilot:		
2004-11	5W-20 ¹	
2012-15	0W-20	

CR-V:

2004-09	5W-20 ¹	
2010-15	0W-20	

CR-Z All temperatures

CAPACITY, Refill¹:		
Civic:		
2004-05:	Liters	Qt
D17A2, D17A6 eng.	4.2	4.4
D17A1 eng.	3.5	3.7
2006-12:		
1.3L Hybrid	3.2	3.4
1.5L Hybrid	3.6	3.8
1.8L	3.7	3.9
2.0L	4.4	4.6
2.4L	4.2	4.4
2013	4.0	4.2
2014-15 1.5L Hybrid	3.6	3.8
CR-V, Element	4.2	4.4
2013-14	4.0	4.2
2015	4.4	4.6
CR-Z	3.6	3.8

Fit:		
2007-13	3.6	3.8
2015	3.3	3.5

Pilot:		
2004	4.8	5.1
2005-15	4.3	4.5
Ridgeline	4.3	4.5

1 5W-30 may be used only if 5W-20 is not available.
2 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

2015 CR-V, Fit	VTF20	
CVT	VTF01	
All others: 2004-10	SLO40	
2011-15	SLO01	

CAPACITY, Refill¹:		
Civic:		
2004-2005:	Liters	Qt
ex. CVT	2.7	2.9
CVT	3.1	3.3
2006-13	2.4	2.5
Hybrid: 2004-11	2.9	3.1
2012	3.0	3.2
2013-15	2.8	3.0

CR-V:

2004-07:		
2WD	2.9	3.1
4WD	3.1	3.3
2008-09:		
2WD	2.6	2.8
4WD	2.5	2.7
2010-11	2.5	2.6
2012-14:		
2WD	2.2	2.3
AWD	2.6	2.7
2015:		
2WD	3.7	3.9
AWD	4.3	4.5
2011-15 CR-Z	2.8	3.0

Element:

2004:		
2WD	2.9	3.1
4WD	3.1	3.3
2005-06:		
2WD	3.2	3.4
4WD	3.1	3.3
2007-11:		
2WD	2.6	2.8
4WD	2.5	2.7

Fit:

2007-13	2.4	2.5
2015	3.4	3.6

Pilot:

2004	3.0	3.2
2005-07	3.7	3.9
2008:		
2WD	3.8	4.0
4WD	3.3	3.5
2009-11	3.4	3.6
2012-15: 2WD w/o trans cooler	3.1	3.3
2WD w/trans cooler	3.4	3.6
4WD	3.4	3.6
Ridgeline	3.1	3.3

1 With the engine at operating temperature, shift transmission through all gears. Turn engine off and check fluid level within 60-90 seconds.

CARS & LIGHT TRUCKS

HONDA Continued • HYUNDAI

TRANSAXLE, Manual	GLS42
CAPACITY, Refill:	Liters Pt
Civic:	
ex. Hybrid:	
2004-05	1.6 3.4
2006-13:	
1.8L	1.4 3.0
2.0L	1.5 3.2
2.4L	1.9 4.0
Hybrid	1.5 3.4
CR-V 2004-06	1.9 4.0
CR-Z	1.4 3.0
Element:	1.9 4.0
Fit:	
2007-13	1.5 3.2
2015	1.4 3.0

TRANSFER CASE	
2004-12 Pilot, 2006-12 Ridgeline	.GL-4, GL-5
Above 0°F (-18°C)	.90
Below 0°F (-18°C)	.80W-90
2013 Pilot	.90, 75W-90 GL-4, GL-5
2014-15 Pilot	
All temperatures	.75W-85 GL-4, GL-5
2013-14 Ridgeline	.SL003
CAPACITY, Refill:	Liters Pt
Pilot, Ridgeline	0.4 0.9
DIFFERENTIAL, Rear	
CR-V, Element	.GLS41
Pilot, Ridgeline	.GLS80
CAPACITY, Refill:	Liters Pt
CR-V:	
2004-14	1.2 2.5
2015	1.3 2.7
Element	1.0 2.1
Pilot, Ridgeline	2.6 5.5

OTHER COMPONENTS	
Brake Master Cylinder	.HB
Clutch Fluid	.HB
Power Steering	.PS002

2014-15 CIVIC	
CRANKCASE	API*
All temperatures	.0W-20
CAPACITY, Refill:	Liters Qt
1.8L	3.7 3.9
2.4L	4.2 4.4
TRANSMISSION, Automatic	
CNG Civic	.SL001
w/CVT	.VTF20
CAPACITY, Refill:	Liters Qt
CNG Civic	2.4 2.5
w/CVT	3.4 3.6

TRANSAXLE, Manual	GLS42
CAPACITY, Refill:	Liters Pt
1.8L	1.4 3.0
2.4L	1.9 4.0

OTHER COMPONENTS	
Brake Master Cylinder	.HB
Clutch Master Cylinder	.HB

HYUNDAI

2004-15 ALL MODELS	
CRANKCASE	
2004-12	.SL, SM API*
2013-15: All ex. Veloster Turbo	.SL, SM API*
Veloster Turbo	.SM API*
2005-15 Accent	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2006-11 Azera	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2012-14 Azera	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-30 ¹
2004-05 Elantra, XG 350:	
Above 32°F (0°C)	.20W-40, 20W-50
Above -10°F (-23°C)	.10W-30, 10W-40, 10W-50
Below 100°F (38°C)	.5W-30, 5W-40
2006-15 Elantra	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2007-08 Entourage	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2011-15 Equus	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2010-11 Genesis Coupe 2.0L	
All temperatures	.5W-20, 5W-30, 5W-40 ²
2012-14 Genesis Coupe 2.0L	
All temperatures	.5W-30, 5W-40 ²

2010-12 Genesis Coupe 3.8L	
Above 20°F (-7°C)	.20W-50
Above 5°F (-15°C)	.15W-40
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2013-15 Genesis Coupe 3.8L	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20, 5W-30 ¹
2009-11 Genesis Sedan	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2012-15 Genesis Sedan 3.8L	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-30 ¹
2012-15 Genesis Sedan 4.6L, 5.0L	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2005-12 Santa Fe	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2013 Santa Fe	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-30 ¹ , 5W-40
2014 Santa Fe 2.0L, 3.3L	
2014 Santa Fe 2.4L	
2005-15 Sonata ex. 2.0L	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2011-13 Sonata 2.0L	
All temperatures	.5W-30, 5W-40 ²
2014-15 Sonata 2.0L	
Above 20°F (-7°C)	.20W-50
Above 5°F (-15°C)	.15W-40
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-30, 5W-40
2015 Sonata:	
1.6L, All temperatures	.5W-30, 5W-40
2.0L, All temperatures	.5W-30, 5W-40 ²
2.4L, All temperatures	.5W-20 ¹ , 5W-30
2005-08 Tiburon	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2005-15 Tucson	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2012-15 Veloster	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30
2013-15 Veloster Turbo	
All temperatures	.5W-30 ¹ , 5W-40
2007-12 Veracruz	
Above 0°F (-18°C)	.10W-30
All temperatures	.5W-20 ¹ , 5W-30

1 Preferred.		
2 5W-20 is preferred for 2010. 5W-40 is preferred for 2011-12.		
3 5W-40 is preferred for 2011.		
CAPACITY, Refill:	Liters	Qt
Accent: 2004-13	3.3	3.5
2014	3.6	3.8
2015	3.3	3.5
Azera:		
2006	5.7	6.0
2007	5.9	6.2
2008	6.0	6.4
2009-12	5.2	5.5
2013-14	5.7	6.0
Elantra:		
2004	3.8	4.0
2005-15	4.0	4.2
Entourage	5.2	5.5
Equus:		
4.6L	6.5	6.8
5.0L	6.8	7.2
2013 w/orange dipstick	6.8	7.2
w/red dipstick	7.2	7.6
2014-15	7.2	7.6
Genesis:		
2009-12:		
2.0L	5.3	5.6
3.3L	5.2	5.5
3.8L	5.2	5.5
4.6L	6.5	6.9
5.0L	6.8	7.2
2013-15:		
2.0L	5.4	5.7
3.8L ex. 2015 Sedan	5.7	6.0
4.6L	6.5	6.9
2013:		
5.0L w/orange dipstick	6.8	7.2
5.0L w/red dipstick	7.2	7.6
2014: 5.0L	7.2	7.6
2015 Sedan: 3.8L	6.9	7.3
5.0L	8.0	8.5
Santa Fe:		
2.0L	4.6	4.9
2.4L 2004	4.3	4.5
2.4L 2010-4	4.6	4.9
2.7L	4.5	4.7
3.3L: 2007-09	5.2	5.5
2011-14	5.7	6.0
3.5L: 2004-06	4.3	4.5
2010-12	5.2	5.5

CAPACITY, Refill:	Liters	Qt
Sonata:		
Hybrid:		
2011-13	4.5	4.8
2015: Yellow Dipstick	4.6	4.9
Red Dipstick	4.8	5.1
2004-14:		
2.0L	4.6	4.9
2.4L 2004-10	4.3	4.5
2011-14	4.6	4.9
2.5L, 2.7L	4.5	4.7
3.0L	4.0	4.2
3.3L: 2006-10	5.2	5.5
2015:		
1.6L	4.5	4.75
2.0L	4.8	5.1
2.4L	4.8	5.1
Tiburon:		
1.8L, 2.0L, 2.4L	4.0	4.2
2.7L	4.5	4.7
Tucson:		
2005-09: 2.0L	4.0	4.2
2.7L	4.5	4.7
2010-13: 2.0L	4.1	4.3
2.4L	4.6	4.9
2014: 2.0L	4.0	4.2
2.4L	5.0	5.2
2015: 2.4L	4.8	5.1
Veloster:		
2012	3.3	3.5
2013-15: 1.6L non-turbo	3.6	3.8
1.6L turbo	4.5	4.8
Veracruz	5.2	5.5
XG300, XG350	4.3	4.5

1 Capacity shown is with filter. After refill, check oil level.

TRANSAXLE, Automatic

Accent:		
2004-11	.SL042	
2012-15	.SL043	
Azera:		
2006-10	.SL042	
2011-14	.SL043	
Elantra:		
2004-10	.SL042	
2011-13 2.0L	.SL042	
2011-13 1.8L	.SL043	
2014-15	.SL043	
Equus:		
2011	.SL095	
2012-15	.SL112	
Genesis:		
2010-12 Coupe: 2.0L	.SL004	
3.8L	.SL095	
2013-15 Coupe	.SL112	
2009-11 Sedan: 3.8L	.LWS	
4.6L	.SL095	
2012-15 Sedan	.SL112	
Santa Fe:		
2004-09	.SL042	
2010-14	.SL043	
Sonata:		
2006-10	.SL042	
2011-15	.SL043	
Tiburon	.SL042	
Tucson:		
2005-09	.SL042	
2010-15	.SL043	
Veloster: 2012-15 w/Dual Clutch	.75W-85 GL-4	
2013-15 w/Shiftmatic	.SL043	
Veracruz: 2007-11	.TIV	
CAPACITY, Initial Refill:	Liters	Qt
Accent: 2004-11 (total fill)	6.1	6.5
2012-15 (total fill)	7.3	7.7
Azera: 2006-10	10.9	11.5
2011-14	7.8	8.2
Elantra:		
2004-06	7.8	8.2
2007-10	6.6	6.9
2011-13: 1.8L	7.3	7.7
2.0L	6.6	6.9
2014-15	7.3	7.7
Entourage	10.9	11.5
Equus: 2011 (total fill)	9.5	10.0
2012-15 (total fill)	10.1	10.7
Genesis Coupe (total fill):		
2.0L 2010-12	10.0	10.5
3.8L 2010-12	9.5	10.0
2013-15	9.6	10.1
Genesis Sedan (total fill):		
3.8L 2009-11	8.2	8.6
4.6L 2009-11	9.5	10.0
2012-14	10.1	10.7
2015: 3.8L	10.5	11.1
5.0L	10.0	10.5

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CAPACITY, Initial Refill ¹ :	Liters	Qt
Santa Fe:		
2004-2.4L	7.8	8.2
2004-2.7L	7.8	8.2
3.5L	8.5	8.9
2005-06	8.5	8.9
2007-08: 2.7L	7.8	8.2
3.3L	10.9	11.5
2009: 2.7L	8.5	9.0
3.3L	10.9	11.5
2010-14: 2.0L, 2.4L	7.1	7.5
3.3L, 3.5L	7.8	8.2
Sonata (total fill): 2004-05	7.8	8.2
2006-08: 4-Speed	7.8	8.2
5-Speed	10.9	11.5
2009-10: 2.4L	9.5	10.0
3.3L	10.9	11.5
2011-14 2.0L, 2.4L (total fill)	7.1	7.5
2015: w/o dual clutch	7.1	7.5
w/dual clutch	1.9	2.0
Hybrid: 2011	6.5	6.9
2012-15	6.6	7.0
Tiburon:		
2004-08	7.8	8.2
Tucson (total fill):		
2005-09	7.8	8.2
2010-15	7.1	7.5
Veloster: w/dual clutch	1.9	2.0
w/Shiftmatic (total fill)	7.1	7.5
Veracruz (total fill):		
2007-10	10.9	11.5
2011-12	7.0	7.4
XG300, XG350 (total fill)	8.5	8.9
¹ With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.		
TRANSAXLE, Manual		
2004-05	.75W-85, 75W-90 GL-4, GL-5	
2006-15	.75W-85 GL-4	
CAPACITY, Refill:		
	Liters	Pt
Accent:		
2004-05	2.2	4.6
2006-11	1.9	4.0
2012-15	1.8	3.8
Elantra:		
2004-06	2.1	4.4
2011-13 w/1.8L	1.9	4.0
2007-12 w/2.0L	2.0	4.2
2014-15	1.9	4.0
Genesis Coupe:		
2010-12: 2.0L	2.0	4.4
3.8L	2.2	4.6
2013-15	2.3	4.9
Santa Fe:		
2004	2.1	4.5
2005	2.3	4.9
2006-08	2.1	4.5
2009	1.9	4.0
2010-13	1.8	3.7
Sonata:		
2004-05	2.1	4.5
2006	1.9	4.0
2007	2.1	4.5
2008-14	1.8	3.7
Tiburon:		
2004	2.2	4.6
2005-08:		
w/5-speed	2.1	4.5
w/6-speed	2.2	4.6
Tucson:		
2.0L	2.1	4.4
2.4L	1.8	3.8
Veloster: w/o Turbo	1.9	4.0
Turbo	2.0	4.2
TRANSFER CASE.....GL-5		
Genesis Sedan	GLS87	
Santa Fe:		
2004-06	.80W-90	
2007-14	.75W-90	
Tucson:		
2005-09	.80W-90	
2010-15	.75W-90	
Veracruz	.75W-90	
CAPACITY, Refill:		
	Liters	Pt
Genesis Sedan	0.62	1.31
2004-09 Santa Fe, Tucson, Veracruz	0.8	1.7
Santa Fe: 2010	0.8	1.7
2011-14 2.0L, 2.4L	0.6	1.2
2011-14 3.3L, 3.5L	0.7	1.5
Tucson 2010-15	0.6	1.3
Veracruz 2010-11	0.8	1.7
DIFFERENTIAL.....GL-5		
Equus	.75W-90	
Genesis Coupe, Sedan	.75W-90	
Santa Fe:		
2004-06	.80W-90	
2007-14	.75W-90	
Tucson:		
2005-09	.80W-90	
2010-15	.75W-90	
Veracruz	.75W-90	

CAPACITY, Refill:	Liters	Pt
Front (AWD):		
Genesis Sedan 2015	0.7	1.4
Rear:		
Equus	1.4	3.0
Genesis Coupe/Sedan	1.4	3.0
Santa Fe: 2004-06	1.1	2.3
2007-09	0.9	2.0
2010-12	0.7	1.5
2013-14	0.53	1.1
Tucson: 2010-13	0.7	1.5
2014-15	0.5	1.1
Veracruz	0.9	2.0
OTHER COMPONENTS		
Brake Master Cylinder	HB	
Clutch Master Cylinder	HB	
Power Steering:		
Azera	PS011	
Equus	PS005	
Genesis:		
Coupe	PS005	
Sedan: 2009, 2010-14 w/EHPS	PS005	
2010-14 w/o EHPS	PS011	
All Others	PS010	
Wheel Bearings	LM	

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2004-13 ALL MODELS

CRANKCASE	Liters	Qt
2004-10	.5L	API*
2011-12	.5M	API*
2013	.5N	API*
2004-06:		
All temperatures	.5W-30 ¹	
Above 0°F (-18°C)	10W-30, 10W-40	
2007-13 All temperatures	.5W-30	
CAPACITY, Refill:²		
	Liters	Qt
EC35	4.9	5.2
FX35:		
2004-08	4.7	5.0
2009-12	4.9	5.2
FX37	4.9	5.2
FX45:		
2004-05	6.4	6.8
2006-08	5.8	6.1
FX50	6.7	7.1
G25	4.9	5.2
G35 Coupe: 2004-07	4.7	5.0
G35 Sedan:		
2004-06	4.7	5.0
2007-08	4.9	5.2
G37: 2008-13	4.9	5.2
I30	4.0	4.2
I35	4.0	4.2
JX35	4.8	5.1
M35:		
2006-08	4.7	5.0
2009-10	4.9	5.2
M35h Hybrid 2012-13	4.9	5.2
M37: 2011-13	4.9	5.2
M45:		
2004	5.6	5.9
2006-10	5.5	5.8
M56: 2011-13	6.0	6.2
Q45:		
2004-05	5.6	5.9
2006	5.3	5.6
QX56:		
2004-08	6.2	6.6
2009-13	6.5	6.9
¹ Preferred.		
² Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
EX35	SL083	
FX35, FX37, FX45, FX50	SL083	
G25, G35, G37	SL083	
I30, I35	SL080	
JX35	VTF12	
M35, M35h, M37, M45, M56	SL083	
Q45 2004-06	SL083	
QX56	SL083	
CAPACITY, Total fill:¹		
	Liters	Qt
EX35:		
2008-10	10.3	10.8
2011	9.2	9.7
FX35:		
2004-08	10.3	10.9
2009-12	9.2	9.7
FX37	9.2	9.7
FX45	10.3	10.9
FX50	11.3	11.9
G25	9.2	9.7
G35	10.3	10.9
G37:		
Coupe:		
2008-09	10.3	10.9
2010-13	9.2	9.7
Sedan	9.2	9.7

CAPACITY, Total fill: ¹	Liters	Qt
I30	9.4	9.9
I35	8.5	9.0
JX35	10.2	10.7
M35, M45:		
5-Speed	10.3	10.9
7-Speed	9.2	9.7
M35h 2012-13	7.0	7.4
M37: 2011-13	9.2	9.7
M56: 2011-13	10.0	10.5
Q45 2004-06	10.3	10.9
QX56	10.6	11.2
¹ Total Fill shown. When refilling measure amount drained and refill with equal amount of new fluid. Start engine and allow transmission to reach operating temperature. Move gearshift through all gear ranges ending in park. Check fluid level and add fluid as needed.		
TRANSAXLE, Manual		
G35	.75W-90, 75W-85 GL-4	
G37: 2008-09	.75W-90, 75W-85 GL-4	
2010-13	.75W-85 GL-4	
I30	.80W-90 GL-4	
CAPACITY, Refill:		
	Liters	Pt
G35	2.9	6.1
G37	2.8	6.0
I30:		
RSSF50V	4.3-4.5	9.1-9.5
RSSF50A	4.5-4.8	9.5-10.1
TRANSFER CASE		
EX35	SL080	
FX35, FX45 2004-08	SL080	
FX35, FX37, FX50 2009-13	SL081	
G25, G37	SL081	
G35	SL080	
JX35	.80W-90 GL-5	
M35, M45:		
2004-07	SL080	
2008-10	SL081	
M37, M56: 2011-13	SL081	
QX56:		
2004-07	AF3	
2008-11	SL080	
2012-13	SL084	
CAPACITY, Refill:		
	Liters	Pt
EX35:		
2008-10	1.3	2.5
2011-12	1.0	2.1
FX35:		
2004-08	1.25	2.64
2009-12	1.0	2.1
FX37	1.0	2.1
FX45, G35, M35, M45	1.25	2.64
FX50	1.0	2.1
G25, G37, M37, M56	1.0	2.1
JX35	0.3	0.6
QX56:		
2004-10	3.0	6.3
2011-13	1.5	3.1
DIFFERENTIAL, Front		
All	.80W-90 ¹ GL-5	
CAPACITY, Refill:		
	Liters	Pt
EX35	0.65	1.37
FX35, FX37, FX45, FX50	0.65	1.37
G25, G35, G37	0.65	1.37
M35, M45	0.65	1.37
M37, M56: 2011-13	0.65	1.4
QX56: 2004-10	1.6	3.4
2011-13	0.75	1.6
¹ For hot climates SAE 90 is suitable for temperatures above 32°F (0°C).		
DIFFERENTIAL, Rear		
EX35: 2011-12	.80W-90 GL-5	
FX35, FX37:		
2008	.80W-90 ¹ GL-5	
2009-13:		
w/tow pkg.	Synthetic 75W-90 GL-5	
w/o tow pkg.	.80W-90 ¹ GL-5	
FX45	.80W-90 ¹ GL-5	
FX50:		
w/tow pkg.	Synthetic 75W-90 GL-5	
w/o tow pkg.	.80W-90 ¹ GL-5	
G25, G37:		
2010-13	GL-5	
w/7-Speed AT 2WD	.75W-140	
w/o 7-Speed AT 2WD		
Above 89°F (32°C)	.90	
Below 89°F (32°C)	.80W-90	
G35	.80W-90 ¹ GL-5	
G37:		
2008-09	GL-5	
Above 89°F (32°C)	.90	
Below 89°F (32°C)	.80W-90	
JX35	Semi Synthetic 75W-140 GL-5	
M35, M45	.80W-90 ¹ GL-5	
M35h	Synthetic 75W-90 GL-5	
M37, M56 2011-13	Synthetic 75W-90 GL-5	
Q45 2004-06	.80W-90 ¹ GL-5	

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QX56:		
2004-05	80W-90 GL-5
2006-13	Synthetic 75W-90 GL-5
CAPACITY, Refill:		
EX35: 2008-12	Liters Pt
FX35, FX37, FX45	.....	1.4 2.95
FX50	.....	1.75 3.7
G25, G35, G37	.....	1.4 2.95
JX35	.....	0.5 1.0
M35, M45	.....	1.4 2.95
M35h	.....	1.15 2.4
M37	.....	1.4 2.95
M56	.....	1.15 2.4
Q45 2004-06	.....	1.4 2.95
QX56	.....	1.75 3.7

1 For hot climates SAE 90 is suitable for temperatures above 32°F (0°C).

OTHER COMPONENTS	
Brake Master Cylinder	.....HB
Power Steering:	
2004-06	.....AF3
2007-13	.....AF6
2012-13 JX35, M35h	.....SL07B

2014-15 QX50, QX60, QX60 Hybrid, QX70, QX80

CRANKCASE		
All	.....	SN, API*
QX50 All temperatures	.....	5W-30 ¹
QX60: Non Hybrid All temperatures	.....	5W-30 ¹
Hybrid All temperatures	.....	0W-20
QX70 All temperatures	.....	5W-30 ¹
QX80 All temperatures	.....	5W-30 ¹
CAPACITY, Refill:		
QX50: 3.7L	.....	Liters Qt
QX60: 3.5L Non Hybrid	.....	4.9 5.2
2.5L Hybrid	.....	4.8 5.1
QX70: 3.7L	.....	5.8 6.1
5.0L	.....	4.9 5.2
QX80: 5.6L	.....	6.1 6.5
	.....	6.5 6.9

1 Infiniti recommends Genuine Nissan Ester Oil.
2 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE		
Automatic		
QX50	.....	SL083
QX60, QX60 Hybrid	.....	VTF12
QX70	.....	SL083
QX80	.....	SL083
CAPACITY, Total Fill:		
QX50	.....	Liters Qt
QX60	.....	9.2 9.7
QX60 Hybrid	.....	8.8 9.3
QX60 Hybrid	.....	5.9 6.2
QX70: 3.7L	.....	9.2 9.7
5.0L	.....	11.3 12.0
QX80	.....	10.0 10.6

TRANSFER CASE		
QX50	.....	SL081
QX60, QX60 Hybrid	.....	80W-90 GL-5
QX70	.....	SL081
QX80	.....	SL084
CAPACITY, Refill:		
QX50	.....	Liters Pt
QX60, QX60 Hybrid	.....	1.0 2.1
QX70	.....	0.3 0.5
QX80	.....	1.0 2.1

DIFFERENTIAL		
QX50	.....	80W-90 GL-5
QX60, QX60 Hybrid	.....	80W-90 GL-5
QX70: Front	.....	80W-90 GL-5
Rear:		
3.7L w/o towing package	.....	80W-90 GL-5
3.7L w/towing package,		
5.0L	.....	Synthetic 75W-90 GL-5
QX80: Front	.....	80W-90 GL-5
Rear	.....	Synthetic 75W-90 GL-5
CAPACITY, Refill:		
QX50: Front	.....	Liters Pt
Rear	.....	0.7 1.4
QX60, QX60 Hybrid	.....	1.4 3.0
0.5	.....	1.1

QX70:		
Front	.....	0.7 1.4
Rear: 3.7L	.....	1.4 3.0
5.0L	.....	1.8 3.8
QX80: Front	.....	0.8 1.6
Rear	.....	1.8 3.8

1 Infiniti recommends Genuine Nissan Hypoid Super Differential Oil.

OTHER COMPONENTS	
Brake Fluid Reservoir	.....HB
Power Steering Reservoir:	
QX50, QX70, QX80	.....PS042
QX60, QX60 Hybrid	.....PS024

2014-15 Q40, Q50, Q50 Hybrid, Q60, Q70, Q70 Hybrid

CRANKCASE		
All	.....	SN, API*
All temperatures	.....	5W-30 ¹
CAPACITY, Refill:		
Q40	.....	Liters Qt
Q50: 3.5L Hybrid	.....	4.6 4.9
3.7L	.....	4.9 5.2
Q60	.....	4.9 5.2
Q70, Q70 Hybrid:		
3.7L	.....	4.9 5.2
5.6L w/4WD	.....	6.1 6.4
5.6L w/RWD	.....	6.0 6.3
Hybrid	.....	4.9 5.2

1 Infiniti recommends Genuine Nissan Ester Oil.
2 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic		
All	.....	SL083
CAPACITY, Total Fill:		
Q40, Q50	.....	Liters Qt
Q50 Hybrid	.....	9.2 9.7
Q60	.....	7.0 7.4
Q70	.....	9.2 9.7
Q70, Q70 Hybrid:		
3.7L	.....	9.2 9.7
5.6L	.....	10.0 10.5
Hybrid	.....	7.0 7.4

TRANSMISSION, Manual		
All	.....	75W-85 GLSA7
CAPACITY, Refill:		
Q40	.....	Liters Pt
Q50	.....	2.83 6.0

TRANSFER CASE		
All	.....	SL081
CAPACITY, Refill:		
Q40	.....	Liters Pt
Q50	.....	1.0 2.1

DIFFERENTIAL		
Q40, Q60:		
Front	.....	80W-90 GL-5
Rear	.....	GL-5
w/7-speed A/T 2WD	.....	75W-90
w/o 7-speed A/T 2WD	.....	80W-90

Q50, Q50 Hybrid, Q70, Q70 Hybrid:		
Front	.....	80W-90 GL-5
Rear	.....	Synthetic 75W-90 GL-5
CAPACITY, Refill:		
Q50	.....	Liters Pt
Q70	.....	0.65 1.4
Rear ex. Q50, Q50 Hybrid	.....	1.4 2.95
Q50, Q50 Hybrid	.....	1.1 2.3

ISUZU

HOMBRE—SEE CHEVROLET S10
OASIS—SEE HONDA ODYSSEY
2004-08 ASCENDER—SEE
CHEVROLET TRAILBLAZER
2006-08 I280, I290, I350, I370—SEE
CHEVROLET & GMC TRUCKS

2004 AMIGO, AXIOM (2004), RODEO, RODEO SPORT, TROOPER, VEHICROSS, ACURA SLX, HONDA PASSPORT

CRANKCASE		
All	.....	API*
Above 40°F (4°C)	.....	30
2004: Above 10°F (-12°C)	.....	15W-40, 20W-40, 20W-50
Above 0°F (-18°C)	.....	10W-30
All temperatures	.....	5W-30
CAPACITY, Refill:		
Q40	.....	Liters Qt
2.2L	.....	4.2 4.4
3.2L, 3.5L	.....	4.0 4.2

1 Capacity shown is without filter. When replacing filter, additional oil may be needed.

TRANSMISSION, Automatic		
2004 Rodeo w/3.5L	.....	SL045
2004 Others	.....	AF3
CAPACITY, Total Refill:		
All	.....	Liters Qt
Q40	.....	8.7 ¹ 9.2 ¹

TRANSMISSION, Manual		
Borg Warner T-5	.....	AF3
Others	.....	SJ, SL, SM
CAPACITY, Refill:		
All temperatures	.....	5W-30
Above 90°F (32°C)	.....	15W-40, 20W-40, 20W-50
CAPACITY, Refill:		
Borg Warner T-5	.....	Liters Pt
Trooper, SLX	.....	2.1 4.4
Others	.....	2.7 5.7

TRANSFER CASE¹		
Axiom	.....	AF2, AF3
All w/T.O.D. system	.....	AF2, AF3
2WD Trooper & SLX	.....	AF2, AF3
Others	.....	SJ, SL, SM
All temperatures		
Capacity, Refill:	.....	Liters Pt
Axiom	.....	1.3 2.7
Rodeo, Rodeo Sport	.....	1.3 2.7
Trooper, SLX, VehiCROSS	.....
w/TOD	.....	1.9 4.0
ex. TOD	.....	1.5 3.2
Others	.....	1.5 3.2

1 Extension gearbox on rear of transmission.

DIFFERENTIAL		
Front	.....	GL-5*
Above 50°F (10°C)	.....	80W-90, 80W-140
Below 90°F (30°C)	.....	75W-90
w/Saginaw rear axle	.....	GL-5 ¹
All temperatures	.....	80W-90
All w/Limited-Slip Diff.	.....	GL-5*
Others, rear	.....	GL-5*
Above 50°F (10°C)	.....	140
0° to 90°F (-18° to 32°C)	.....	80W-90, 90
Below 50°F (10°C)	.....	80W-90, 90
CAPACITY, Refill:		
Rodeo, Rodeo Sport, Passport:		Liters Pt
Front	.....	1.3 2.7
Rear	.....	1.8 3.8
All w/Saginaw axle	.....	1.9 ¹ 4.0 ¹
Trooper, SLX: Front	.....	1.4 3.0
Rear	.....	3.0 6.3
VehiCROSS: Front	.....	1.4 3.0
Rear	.....	2.2 4.6
Others: Front	.....	1.3 2.7
Rear	.....	1.8 3.8

1 Saginaw axle has removable rear cover without M plug.

OTHER COMPONENTS	
Brake & Clutch Master Cylinder	.....HB
Brake, Clutch, Accelerator Linkage	.....MO
Power Steering	.....AF2, AF3
Suspension & Steering Linkage	.....LM
Universal Joints & Slip Yokes, 4WD	.....LM
Wheel Bearings	.....GC

JAGUAR

2014-15 F-TYPE 2004-15 S-TYPE, X-TYPE, XF, XJ SERIES 2004-15 XK SERIES

CRANKCASE		
2004-13: All ex. 2013-14 2.0L, 3.0L	.....
2010-14 5.0L	.....	SM, API*
2013: w/2.0L	.....	SE016, SE017
w/3.0L	.....	SE017
2014: w/2.0L	.....	SE017
w/3.0L	.....	SE014
5.0L	.....	SE014
2014 F-Type	.....	SE048
2015: 2.0L	.....	SE017
3.0L	.....	SE048
5.0L ex. XJ Series	.....	SE048
5.0L XJ Series: Above -4°F (-20°C)	.....	SE014
Below -4°F (-20°C)	.....	SE048
2004-09: -22° to 122°F	.....
(-30° to 50°C)	.....	0W-30, 5W-30 ¹ , 0W-40, 5W-40
2009-11 4.2L	.....	5W-30
2010-14 5.0L	.....	5W-20
2013 2.0L, 3.0L	.....	5W-30
2014-15 2.0L	.....	5W-30
2014 3.0L	.....	5W-20
2014-15 F-Type	.....	0W-20
2015 3.0L	.....	0W-20
2015 5.0L: XF, XK Series	.....	0W-20
XJ Series: Above -4°F (-20°C)	.....	5W-20
Below -4°F (-20°C)	.....	0W-20
CAPACITY, Refill:		
2004-09:		Liters Qt
S-Type:		
3.0L	.....	6.5 6.9
4.2L:		
2004-05	.....	6.0 6.3
2006-08	.....	6.5 6.9
XF	.....	6.0 6.3
XJ8	.....	6.8 7.2
XJR	.....	7.6 8.0
XK Series 4.2L	.....	7.0 7.4
2010-15		
F-Type Series:		
2014	.....	7.3 7.7
2015	.....	7.2 7.5
X-Type:		
2.5L & 3.0L 2004-05	.....	5.8 6.1
3.0L 2006-09	.....	5.9 6.2

CARS & LIGHT TRUCKS

JAGUAR Continued • JEEP

CAPACITY, Refill ² :	Liters	Qt
XF Series:		
2.0L 2013-15	5.4	5.7
3.0L 2013-15	7.3	7.7
3.0L 2013-15 w/AWD	6.5	6.9
4.2L	6.0	6.4
5.0L	7.3	7.6
XJ Series 5.0L	7.3	7.6
XX Series 5.0L	7.3	7.6

1 Preferred.
2 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION, Automatic		
2004-08 S-Type		SL095
2004-09 X-Type		SL044
2009-13 XF		SL095
2010-13 XFR, XJ		SL095
2014-15 XFR, XFR-S		SL095
2004-10 XJ		SL095
2015 XJR		SL093
2013-15 w/8HP70		SL093
2004-15 XK Series		SL095

CAPACITY, Total Fill:	Liters	Qt
2004-08: S-Type	10.0	10.6
2004-09: X-Type	8.8	9.3

XF 2009:		
4.2L w/o Supercharger	9.5	10.0
4.2L w/Supercharger	9.9	10.5
2004-09 XJ Series 4.2L	10.0	10.5
XK Series 4.2L:		
2004-09: w/o Supercharger	9.5	10.0
w/Supercharger	10.0	10.6
2010-11 XF, XFR, XJ, XK, XKR:		
4.2L	9.5	10.0
5.0L	10.0	10.6
2012-15 XF, XFR, XJ, XK, XKR, XKR-S		
5.0L ex. 8HP70	10.0	10.6
2013-15 XF, XFR, XJ, F-Type w/8HP70	8.5	8.9
2015 XJR	8.5	9.0

TRANSMISSION, Manual		
2004-05 X-Type		SL030
CAPACITY, Maximum fill:	Liters	Pt
2004-05 X-Type	1.8	3.8

DIFFERENTIAL		
2008-09 All Models		
ex. 2009 XF	Synthetic 75W-140 GL-5	
5.0L w/Supercharger	GLS16	
2013-15:		

F-Type, XF, XJ Series		
3.0L: Front Unit	GLS24	
Rear Open Unit	GLS24	
Rear Electric Unit	GLS16	
2.0L, 5.0L: Rear Open Unit	GLS24	
Rear Electric Unit	GLS16	

2004-07: S-Type	GL-5	
All temperatures	Synthetic 75W-140	
2004-06 X-Type	GL-5	
All temperatures	Synthetic 75W-140	
2009-10 XF, XFR, XJ8, XK, XKR:		
Old Differential	GLS84	
New Differential ^{1,2}	GLS24	

2010-15 XF Series, XK Series 5.0L:		
5.0L w/o Supercharger	GLS24	
2004-07 XJ8, XJR	GL-5	
All temperatures	Synthetic 75W-140	
2007 XK series	GL-5	
All temperatures	Synthetic 75W-140	
2004-05 XK8	GLS62	
2004-05 XKR	GLS62	

CAPACITY, Refill:	Liters	Pt
2013-15 F-Type, XF, XJ Series:		
Front: 2013-15	0.3	0.7
Rear 2.0L, 3.0L, 5.0L:		
Open Unit	0.8	1.7
Electronic Unit	1.2	2.5
S-Type: 2004-08	1.3	2.7
X-Type 2004-08	1.2	2.5
XF: 2009	1.3	2.7
2010-15: 5.0L w/Supercharger	1.3	2.7
4.2L, 5.0L w/o Supercharger	0.9	1.9
XFR, XFR-S:		
2010-15: 5.0L w/Supercharger	1.3	2.7
4.2L, 5.2L w/o Supercharger	0.9	1.9

XJ:		
2010-15: 5.0L w/Supercharger	1.3	2.7
5.0L w/o Supercharger	0.9	1.9
XJ8, XJR: 2004-08	1.3	2.7
XK Series: 2004-06	1.9	4.0
2007-08	1.3	2.7

XK Series:		
2010-15: 5.0L w/Supercharger	1.3	2.7
5.0L w/o Supercharger	0.9	1.9

1 XF, XFR Introduction of new differential to VIN: R41866, R32255, R32809 to R32814, R32823, R32948 to R3285.

2 XF, XFR Introduction of new differential to VIN: H31471, H30324, H30348, H30351, H30355, H30358, H30359, H30363, H30364, H30368 to H30371

TRANSFER CASE		
X-Type	75W-140 GL-5	
XF, XJ Series	GLS83	
CAPACITY:	Liters	Pt
X-Type 2.5L, 3.0L	0.5	1.05
XF, XJ Series	0.5	1.1

OTHER COMPONENTS
Brake Master CylinderHBH¹
Power Steering:

2004-09	AF3
2010-15 ex. XK Series	PS035
XK Series	PS005

1 For 2015 F-Type Series with carbon ceramic rotors, use Castrol React SRF Racing brake fluid.

JEEP

2006-07 COMMANDER 2004-07 GRAND CHEROKEE, WRANGLER

2004-06 TJ CRANKCASE		
2004-05 All ex. 3.0L, 6.1L	API*	
2006-07 All ex. 3.0L, 6.1L	SEO11	
3.0L	SEO31	
6.1L	SEO09	

2.4L	5W-30 ¹
2.5L	10W-30 ¹
3.0L Diesel; 2007 All Temperatures	5W-30
3.7L: 2005-06 All Temperatures	5W-30
2007 All Temperatures	5W-20
3.8L Wrangler	5W-20
4.0L 2004: Above 0°F (-18°C)	10W-30
Below 32°F (0°C)	5W-30
4.0L Wrangler 2004-06	5W-30, 5W-20 ²
4.7L ex. H.O.	

2004 Above 0°F (-18°C)	10W-30
Below 100°F (38°C)	5W-30
2005-06 All Temperatures	5W-30
2007 All Temperatures	5W-20
4.7L H.O. 2004: Above 0°F (-18°C)	10W-30
Below 32°F (0°C)	5W-30
5.2L, 5.9L: Above 0°F (-18°C)	10W-30
Below 60°F (16°C)	5W-30
5.7L 2005-07: All Temperatures	5W-20
6.1L 2006-07: All Temperatures	DW-40

CAPACITY, Refill ² :	Liters	Qt
2.4L: 2004-05	3.8	4.0
2006	4.7	5.0
2.5L	3.8	4.0
3.0L	9.5	10.0
3.7L	4.7	5.0
3.8L	5.7	6.0
4.0L	5.7	6.0
4.7L	5.7	6.0
5.7L, 6.1L	6.6	7.0
5.2L, 5.9L	4.7	5.0

1 Preferred.
2 Capacity shown includes filter. After refill, check oil level.
3 Check Oil cap for correct oil viscosity.

TRANSMISSION, Automatic		
2004-06	AP4	
CAPACITY, Initial Refill ² :	Liters	Qt
2004-07 54SRFE4: 2WD	5.2	5.5
4WD	6.2	6.6
2005-07 NAG1	5.0	5.3
All others	3.8	4.0

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK or NEUTRAL and add fluid as needed.

TRANSMISSION, Manual		
2004-07	GLS53	
CAPACITY, Refill:	Liters	Pt
2004-05 TJ NV3500, Wrangler	2.0	4.2
2004-05 NV1500	2.3	4.9
2005-07 NSG370	1.5	3.1

TRANSFER CASE		
2006 NV146	SL020	
2007 NV146	SL154	
2004-07:		
NV147, NV245, NV247	SL071	
NV140, NV231, NV241, NV242	AP4	

CAPACITY, Refill:	Liters	Pt
Model 140, 146	0.6	1.3
Model 145, 245	1.8	3.8
Model 231	1.0	2.1
Model 241	2.0	4.2
Model 242	1.4	3.0
Model 147, 247, 249	1.6	3.4

DIFFERENTIAL
AllGL-5

All w/Class III or IV hitch, Grand Cherokee w/Vari-Lok or Quadra Drive, 2005 Jeep Rubicon w/216 Axle Rear and 2005-06 Grand CherokeeSynthetic 75W-140¹

2005 Wrangler 194RBI 4.56 Ratio, 2.4L engine w/42RLE transmission	Synthetic 75W-140
All Others	80W-90
2007: Commander, Grand Cherokee	75W-140
2004-06:	
Wrangler; w/o towing package	80W-90 ⁴
w/towing package	75W-140 ⁴
2007:	
Front	80W-90
Rear:	
ex. towing package	80W-90 ⁴
w/towing package	75W-140 ⁴

CAPACITY, Refill ² :	Liters	Pt
Commander	1.7 ³	3.6 ³

Grand Cherokee:		
2004	1.1	2.3
2005-07	1.7	3.6

TJ, Wrangler:		
2004-06:		
w/181	1.2	2.5
w/216	1.9	4.0
2007: w/186	1.0	2.2
w/216	1.3	2.7
2.4L	4.7	5.0

Rear:		
Cherokee 4 w/8.25" axle	2.0	4.2
Commander, Grand Cherokee:		
2004 186	1.1	2.3
2005-07:	1.7	3.5
198 RBI	1.7	3.5
213R	2.0	4.2
213RE	2.2	4.6
216 RBA, 226 RBA	2.3	4.9

TJ, Wrangler:		
2004-06:		
216 RBI	1.9	4.0
194, 198 RBI	1.7	3.6
Others	1.2	2.5
2007:		
198 RBI	1.8	3.8
226 RBI	2.3	4.9

1 Mopar Synthetic Gear Oil. All with limited-slip axles & Grand Cherokee models w/Quadra Drive (front & rear axles), add 6.5% additive.

2 2004-07 Models. Fluid level must be 1/2" below fill plug opening.

3 Commander with C200FE axle Add 4 oz of MOPAR Trac-Lok additive part No.4318060.

4 With limited slip add 4oz of limited slip additive.

OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir:		
2004	PS009	
2005-07 Wrangler	AP4	
2005-07 ex. Wrangler	PS009	

2008-10 COMMANDER 2008-15 GRAND CHEROKEE CRANKCASE

All Diesel	SEO10
All Gasoline ex. 2006-15 6.1L, 6.4L	SEO11
2006-12 6.1L, 6.4L	SEO09
2013 6.4L	SM or SM/CF API
2014-15 6.4L	SEO49
3.0L Diesel, All temperatures	5W-30
3.6L 2011, All temperatures	5W-30 ²
3.7L, 4.7L, 5.7L:	
2008-11 All temperatures	5W-20 ² 5W-30 ²
6.1L: 2008-09, All temperatures	DW-40
2010, All temperatures	5W-40 ³
2012: 3.6L, All temperatures	5W-30
5.7L, All temperatures	5W-20
6.4L, All temperatures	5W-40

2013-15:		
3.6L All temperatures	5W-20 ²	
5.7L All temperatures	5W-20	
6.4L All temperatures	Synthetic DW-40	

CAPACITY, Refill ² :	Liters	Qt
3.0L: 2007-09	9.5	10.0
2014-15	7.7	8.0
3.6L	5.6	6.0
3.7L	4.7	5.0
4.7L	5.7	6.0
5.7L, 6.1L, 6.4L	6.6	7.0

1 Capacity shown includes filter. After refill, check oil level.
2 Check oil cap for correct oil.
3 Manufacturer recommends the use of full synthetic engine oil.

TRANSMISSION, Automatic

2008-13	AP4
2014-15	SL076

CAPACITY, Initial Refill ² :	Liters	Qt
2008-13:		
54SRFE, 65RFE:		
2WD	5.2	5.5
4WD	6.2	6.6
NAG1	5.0	5.3
2014-15:		
8HP45 (total fill)	8.5	9.0
8HP70 (total fill)	8.3	8.8

CARS & LIGHT TRUCKS

JEEP Continued • KIA

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK or NEUTRAL and add fluid as needed.

TRANSFER CASE

MP2010	SL072
MP3010	AP4
MP3023	AP4
NV140	AP4
NV146	SL154
NV245	SL071
CAPACITY, Refill:	Liters Pt
MP20*0	0.51 1.1
MP30*0	1.35 2.8
MP3023	1.9 4.0
NV140, NV146	0.65 1.4
NV245	1.8 3.8

DIFFERENTIAL

2008-13 ex. ELSD & SRT-8	Synthetic 75W-140	GL-5
2012-13 w/ELSD	75W-85	GL-5
SRT-8: 2012	Synthetic 75W-140	GL-5
2013 Front	GLS81	
2013 Rear	GLS60	
2014-15:		
Front	Synthetic 75W-85	GL-5
Rear:		
w/ ELSD	Synthetic 75W-85	GL-5*2
w/o ELSD	Synthetic 75W-85	GL-5
w/SRT-8	Synthetic 75W-85	GL-5*2

CAPACITY, Refill:

Front:	Liters	Pt
C200F	1.7	3.6
C200FE	1.7 ¹	3.6 ¹
195FIA	1.1	2.3
195FIA FE	0.8	1.7
Rear:		
2008-11: C213R	2.07	4.37
C213RE	2.24 ¹	4.73 ¹
195RIA & 215R11	1.2	2.5
225R11	1.4	3.0
230RIA w/ELSD	1.35	2.9
230RIA w/o ELSD	1.2	2.5
2012-15: 195RIA (Aluminum)	0.9	1.9
215RII (Cast Iron)	1.2	2.5
225RII (Cast Iron)	1.4	3.0
230RIA w/ELSD	1.3	2.9
230RIA w/o ELSD	1.1	2.3

1 Add 4 oz. (118 ml) of friction modifier.

2 With friction modifier additive.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Power Steering Reservoir:	
w/o Electric Power Steering:	
2008-10	PS008
2011-15	AP4
w/Electric Power Steering	PS022

2004-12 LIBERTY

2007-11 DODGE NITRO

CRANKCASE

All Gasoline	SEO11
2005-06 Diesel	SEO09
Gasoline:	
2004-06: Above 0°F (-18°C)	10W-30
Below 0°F (-18°C)	5W-30 ¹
2007-11: 3.7L	5W-20
4.0L	10W-30
2012 3.7L	5W-20
Diesel: All temperatures	Synthetic 0W-40 ²

CAPACITY, Refill:

Liters	Qt
2.4L	4.7 5.0
2.8L Diesel: 2004-05	6.0 6.3
2006-07	4.7 5.0
2008-10	6.6 7.0
3.7L	4.7 5.0
4.0L	5.2 5.5

1 Preferred.

2 If 0W-40 is not available, 5W-40 can be used.

3 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION, Automatic

All	AP4
CAPACITY, Initial Refill:	Liters Qt
42RLE	3.8 4.0
45RFE, 545RFE	4.7 5.0
NAG1	5.0 5.3

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK or NEUTRAL and add fluid as needed.

TRANSMISSION, Manual

All	GLS53
CAPACITY, Refill:	Liters Pt
NSG37C	1.5 3.17
NV1500	2.3 4.8
NV3550:	
2004:	
2WD	2.2 4.8
4WD	2.0 4.2

TRANSFER CASE

All	AP4
CAPACITY, Refill:	Liters Pt
MP1522	1.8 3.8
MP3022	1.9 4.0
MP130, MP140, MF143	0.85 1.8
NV231	1.4 3.0
NV241	2.0 4.2
NV242	1.6 3.3

1 Approximate dry fill, or fill to bottom of fill plug hole.

DIFFERENTIAL

Front:	
2004-12	80W-90 GL-5
Rear:	
Liberty:	
2004-07:	
198RB1	75W-140 GL-5
8 1/4"	Synthetic 75W-90 ² GL-5 ¹
2008-12 8 1/4"	Synthetic 75W-140 GL-5
Nitro:	
2007-11 8 1/4"	Synthetic 75W-140 GL-5

CAPACITY, Refill:

Front:	Liters	Pt
186 FIA (Model 30)	1.24	2.6
Rear:		
198 RBI (Model 35)	1.78	3.76
8 1/4"	2.08	4.4

1 Models equipped with Trac-lok axles, add 4.0 oz. of limited slip additive to the lubricant.

2 Axle intended for heavy duty applications or trailer tow use synthetic 75W-140.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB
Power Steering Reservoir	AP4

2014-15 CHEROKEE

2007-15 COMPASS, PATRIOT

CRANKCASE:

Cherokee	SEO11
Compass, Patriot	SEO11
2007-11, All temperatures	5W-20, 5W-30
2012-15 ex. Cherokee, All temperatures	5W-20
2014-15 Cherokee:	
2.4L All temperatures	0W-20 ³
3.2L All temperatures	5W-20 ²

CAPACITY, Refill:

Liters	Qt
Cherokee: 2.4L	5.2 5.5
3.2L	5.6 6.0
Compass, Patriot	4.3 4.5

1 Capacity shown includes filter. After refill, check oil level.

2 Refer to fill cap for correct grade.

3 5W-20 oil that holds the same specification may be used when 0W-20 is not available, however, ensure oil is switched back to 0W-20 the next oil change.

TRANSAXLE, Automatic

w/CVT	VTF04
6F24	SL153
948TE	SL076
CAPACITY, Initial Refill:	Liters Qt
w/CVT: Compass, Patriot	7.0 7.4
6F24	4.7 5.0
948TE	6.0 ² 6.4 ²

Manual

All	AP4
CAPACITY, Refill	Liters Pt
NVT355	2.4-2.7 5.1-5.7
BG6	2.0 4.2
Getrag DMT6	1.8 3.8

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

2 Total fill.

REAR CARRIER, POWER TRANSFER UNIT

Cherokee	75W-90 GL-5
Compass, Patriot	80W-90 GL-5
CAPACITY, Refill:	Liters Pt
Cherokee: 1-Speed	0.7 1.5
2-Speed	1.2 2.5
Compass, Patriot	0.5 1.1

REAR DIFFERENTIAL

Cherokee	
Rear Differential	GLSA1
Hydraulic Unit	GLSA2
CAPACITY, Refill:	Liters Pt
Cherokee:	
1-Speed	0.9 1.9
2-Speed w/o Locker	1.15 2.4
w/Locker	1.23 2.6
Hydraulic Unit	0.4 0.9

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB
Power Steering Fluid Reservoir	AP4

2008-15 WRANGLER

CRANKCASE

All	SEO11
2008-11, All temperatures	5W-20
2012, All temperatures	5W-30
2013-15, All temperatures	5W-20
CAPACITY, Refill:	Liters Qt
3.6L, 3.8L, 4.0L	5.7 6.0

1 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

All	AP4
CAPACITY, Initial Refill:	Liters Qt
42RLE	3.8 4.0
2012-15 NAG1	5.0 5.3

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

Manual

NSG370	GLS53
CAPACITY, Refill:	Liters Pt
NSG370	1.5 3.1

TRANSFER CASE

2008-15 NV241 Gen 1, Gen 2	AP4
CAPACITY, Refill:	Liters Pt
2008-10 NV241	2.0 4.2
2011-15 NV241 Gen 1, Gen 2	2.0 4.2

DIFFERENTIAL

Front:	
186 FBI	80W-90 GL-5
216 FBI	80W-90 GL-5 ¹
Rear:	
198 RBI	80W-90 ¹ GL-5 ¹
226 RBI	80W-90 ^{1,2} GL-5

CAPACITY, Refill:

Front:	Liters	Pt
186 FBI (Model 30)	1.0	2.1
216 FBI (Model 44)	1.3	2.7
Rear:		
2008-11: 198 RBI (Model 35)	1.8	3.8
226 RBI (Model 44)	2.3	4.8
2012-15 226 RBI	2.2	4.7

1 When equipped with Trac-lok, add 4.0 ounces of limited slip additive.

2 Axles equipped with trailer tow pkg use Synthetic 75W-140.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB
Power Steering Reservoir	AP4

KIA

2004-09 SPECTRA

CRANKCASESJ, SL, SM, API*

2004 Spectra 1.8L:	
Above 85°F (29°C)	40
Above 15°F (-9°C)	20W-40, 20W-50
Above -15°F (-25°C)	10W-40, 10W-50
32° to 105°F (0° to 39°C)	30
15° to 65°F (-9° to 20°C)	20W-20
-15° to 85°F (-25° to 29°C)	10W-30
Below 32°F (0°C)	5W-30
Below -5°F (-20°C)	5W-20

2004-08 Spectra 2.0L:

Above 14°F (-10°C)	15W-40
-13°F to 104°F (-25°C to 40°C)	10W-30
Above -13°F (-25°C)	10W-40
Below 68°F (20°C)	5W-40
Below 50°F (10°C)	5W-30
Below 14°F (-10°C)	5W-20

2009 Spectra

Above 0°F (-18°C)	10W-30
All temperatures	5W-20, 5W-30
CAPACITY, Refill:	Liters Qt
All	4.0 ¹ 4.2 ¹

1 Capacity includes filter.

TRANSAXLE, Automatic:

All	SL025
CAPACITY, Total Fill:	Liters Qt
2004 Sephia, Spectra 1.8L	5.4 5.7
2004-05 Spectra w/2.0L	7.8 8.2
2006-08 Spectra	6.2 6.5
2009 Spectra	6.6 7.0

1 Total or dry fill capacity shown, use less fluid when refilling.

TRANSAXLE, Manual

All	GL-4
2004-08	75W-90
2009	75W-85
CAPACITY, Refill:	Liters Pt
Spectra w/1.8L	2.7 5.7
2004-09 Spectra w/2.0L	2.0 4.2

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir: 2003-09	PS013

CARS & LIGHT TRUCKS

KIA Continued

2015 K900

2004-09, 2011-15 SORENTO

2005-15 SPORTAGE

CRANKCASE

2004-09	SJ, SL, SM, API*
2010-13	SL, SM, API*
2014-15 ex. K900 3.8L	SM, API*
2015 K900 3.8L	SE01

K900	
3.8L Above -5°F (-20°C)	10W-30
All temperatures	5W-30 ³
5.0L Above -5°F (-20°C)	10W-30
All temperatures	5W-20 ³ , 5W-30
2004-06 Sorento:	
Above 14°F (-10°C)	20W-40, 20W-50
Above 5°F (-15°C)	15W-50, 15W-40
Above -13°F (-25°C)	10W-40, 10W-50
-15° to 104°F (-25° to 40°F)	10W-30
Below 68°F (20°C)	5W-40 ¹
Below 50°F (10°C)	5W-30 ¹
Below 14°F (-10°C)	5W-20 ^{1,2}

2007-09 Sorento:	
All temperatures	5W-20 ³ , 5W-30
Above 0°F (-18°C)	10W-30
Above 9°F (-13°C)	15W-40
Above 19°F (-7°C)	20W-50

2011-13 Sorento:	
All temperatures	5W-20 ³ , 5W-30
Above 0°F (-18°C)	10W-30

2014-15 Sorento:	
All temperatures	5W-20, 5W-30 ³
Above 0°F (-18°C)	5W-30, 5W-40

2005-09 Sportage:	
All temperatures	5W-20
Above 0°F (-18°C)	10W-30
Above 9°F (-13°C)	15W-40
Above 19°F (-7°C)	20W-50

2010-13 Sportage ex. 2.0L Turbo	
All temperatures	5W-20 ³ , 5W-30
Above 0°F (-18°C)	10W-30

2011-13 Sportage 2.0L Turbo	
All temperatures	5W-30 ³ , 5W-40

2014-15 Sportage w/Turbo:	
All temperatures	5W-30, 5W-40
Above 0°F (-18°C)	10W-30
Above 10°F (-10°C)	15W-40
Above 20°F (-5°C)	20W-50

2014-15 Sportage w/o Turbo:	
All temperatures	5W-20 ³ , 5W-30
Above 10°F (-10°C)	10W-30

1 Restricted by driving condition and environment.
2 Not recommended for sustained high speed vehicle operation.
3 Preferred.

CAPACITY, Refill ¹ :	Liters	Qt
K900		
2015 3.8L	5.7	6.0
5.0L	7.2	7.6
Sorento:		
2004-06	4.4	4.7
2007-08	5.7	6.0
2009	5.2	5.5
2011-13: 2.4L	4.6	4.9
3.5L	5.2	5.5
2014: 2.4L	4.6	4.9
2014-15 3.3L	5.7	6.0
2015 2.4L	5.0	5.3
Sportage:		
2005-10:		
2.0L	4.0	4.2
2.7L	4.5	4.8
2011-15: 2.0L, 2.4L	4.6	4.9

1 Capacity includes filter.

TRANSAXLE, Automatic

2015 K900	SL112
Sorento: 2004-08: 4-speed	AF2
5-Speed	SL004
2009, 2011-15	SL046
Sportage: 2005-15	SL046

CAPACITY, Total Fill ¹ :	Liters	Qt
K900		
2015 Rear	1.4	3.0
Sorento: 2004	11.5	12.1
2005-09	10.0	10.6
2011-15: 2.4L	7.1	7.5
3.3L, 3.5L	7.8	8.2
Sportage: 2005-10	7.8	8.2
2011-15: 2.0L	7.8	8.2
2.4L	7.1	7.5

1 Total or dry fill capacity shown, use less fluid when refilling.

TRANSAXLE, Manual

2004-06	75W-90	GL-4, GL-5
2007-15	75W-85	GL-4

CAPACITY, Refill:

	Liters	Pt
Sorento:		
2004-06: 2WD	3.2	6.8
4WD	2.7	5.7
2011-15	1.8	3.8

CAPACITY, Refill:	Liters	Pt
Sportage:		
2005-10	2.2	4.7
2011-12	1.8	3.8
2013: 2.0L	2.1	4.4
2.4L	1.8	3.8
2014-15: 2.0L	2.2	4.6
2.4L	1.9	4.0

TRANSFER CASE

2004-09 Sorento	AF3
2011-15 Sorento	75W-90 GL-5¹
2006-10 Sportage	GL-5
All temperatures	80W-90

2011-15 Sportage	75W-90 GL-5¹
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CAPACITY, Refill:	Liters	Pt
Sorento: 2004-09	1.4	3.0
2011-15: 2.4L	0.6	1.2
3.3L, 3.5L	0.7	1.4
Sportage: 2005-10	0.8	1.7
2011-15	0.6	1.2

1 For 2014-15, use Shell Spirax X or equivalent.

DIFFERENTIAL, 4WD

2015 K900	75W-90 GL-5
2008-09 Sorento:	
w/o Limited slip	90
w/Limited slip	85W-90
2011-15 Sorento	75W-90 ¹
2011-15 Sportage	75W-90 ¹
All others	80W-90, 90

CAPACITY, Refill:	Liters	Pt
K900	1.4	2.9
Sorento:		
2008-09: Front	1.3	2.7
Rear	1.6	3.4
2011-14 Rear	0.7	1.5
2015 Sorento Rear	0.5	1.1

Sportage:	
2005-10 Rear	0.8
2011-15 Rear	0.7

1 For 2014-15, use Shell Spirax X or equivalent.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir: 2002-13	PS013
2015 K900	PS005
2014 Sorento	PS010

2004-09 AMANTI

2004-13 OPTIMA

2007-10 RONDO

2004-12 SEDONA

CRANKCASE

2004-09	SJ, SL, SM, API*
2010-13	SM, API*
2004-06 Amanti, 2004-05 Sedona, 2004-06 Optima (Old Body Style):	
Above 14°F (-10°C)	20W-40, 20W-50
Above 5°F (-15°C)	15W-50, 15W-40
Above -13°F (-25°C)	10W-40, 10W-50
-15° to 104°F (-25° to 40°F)	10W-30
Below 68°F (20°C)	5W-40 ¹
Below 50°F (10°C)	5W-30 ¹
Below 14°F (-10°C)	5W-20 ^{1,2}

2007-09 Amanti, 2007-10 Rondo:	
All temperatures	5W-20 ³ , 5W-30
Above 0°F (-18°C)	10W-30

2006-08 Optima (New Body Style) 2.4L:	
All temperatures	5W-20 ³ , 5W-30
Above 20°F (-7°C)	20W-40, 20W-50
Above 10°F (-13°C)	15W-40, 15W-50
Above 0°F (-18°C)	10W-30

2006-08 Optima (New Body Style) 2.7L:	
All temperatures	5W-20 ³ , 5W-30
Above 20°F (-7°C)	20W-50
Above 10°F (-13°C)	15W-40
Above 0°F (-18°C)	10W-30

2009-13 Optima 2.4L, 2.7L	
All temperatures	5W-20, 5W-30
Above 0°F (-18°C)	10W-30
2011-13 Optima 2.0L	5W-30, 5W-40

2006-12 Sedona:	
All temperatures	5W-20 ³ , 5W-30
Above 0°F (-18°C)	10W-30

2007-09:	
2.4L	4.3
2.5L	4.2 ⁵ , 4.4 ⁵
2.7L	4.8

2007-09:	
2.4L	4.0
2.7L	4.5

2010:	
2.4L	4.5
2.7L	4.5

2011-13: 2.0T, 2.4L	4.6
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CAPACITY, Refill ¹ :	Liters	Qt
Amanti: 2004-06	4.3	4.5
2007-09	5.2	5.5
Optima: 2004-06:		
2.4L	4.3	4.5
2.5L	4.2 ⁵ , 4.4 ⁵	
2.7L	4.8	5.1

2007-09:	
2.4L	4.0
2.7L	4.5

2010:	
2.4L	4.5
2.7L	4.5

2011-13: 2.0T, 2.4L	4.6
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CAPACITY, Refill ¹ :	Liters	Qt
Rondo: 2007-09: 2.4L	4.3	4.5
2.7L	4.2	4.4
2010	4.5	4.7
Sedona: 2004-05	4.3 ⁵	4.5 ⁵
2006-09	5.2 ⁶	5.5 ⁶
2010-11	5.2	5.5
2012	5.5	5.8

1 Restricted by driving condition and environment.
2 Not recommended for sustained high speed vehicle operation.
3 Preferred.
4 Capacity includes filter.
5 Capacity shown does not include filter. When replacing filter, additional oil may be needed.
6 Manufacturer does not specify if capacity includes filter.

TRANSAXLE, Automatic

All	SL046
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CAPACITY, Total Fill ¹ :	Liters	Qt
Amanti: 2004-06	8.5	9.0
2007-09	10.9	11.5
Optima: 2004-06	7.8	8.2
2007-10:		
2011-13: 2.4L	7.1 ²	7.5 ²
2012-13: 2.0L	7.8	8.2
Optima Hybrid: 2011	6.5	6.9
2012-13	7.3	7.7
Rondo 2007-10: 2.4L	7.8	8.2
2.7L	9.5	10.0
Sedona: 2004-05	8.5	9.0
2006-10	10.9	11.5
2011-12	7.8	8.2

1 Total or dry fill capacity shown, use less fluid when refilling.
2 See appendix.

TRANSAXLE, Manual

All temperatures	75W-85
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CAPACITY, Refill:	Liters	Pt
Optima: 2004-06	2.1	4.4
2007-08	1.9	4.0
2009-13	1.8	3.8

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir: 2004-13	PS013

2004-15 RIO

2004-05 RIO CINCO

2006-14 RIO5

CRANKCASE

2004-09	SJ, SL, API*
2010-15	SM, API*
2004-05 Rio, Rio Cinco:	
Above 85°F (29°C)	40
Above 15°F (-9°C)	20W-40, 20W-50
Above -15°F (-25°C)	10W-40, 10W-50
32° to 105°F (0° to 39°C)	30
15° to 65°F (-9° to 20°C)	20W-20
-15° to 85°F (-25° to 29°C)	10W-30
Below 32°F (0°C)	5W-30
Below -5°F (-20°C)	5W-20

2006-09 Rio, Rio5:	
All temperatures	5W-20 ¹
Above 20°F (-7°C)	20W-50
Above 10°F (-13°C)	15W-40
Above 0°F (-18°C)	10W-30

2010-15	
Above 0°F (-18°C)	10W-30
All temperatures	5W-20 ¹ , 5W-30

CAPACITY, Refill ² :	Liters	Qt
2004-05	3.2	3.4
2006-13	3.3	3.5
2014-15	3.6	3.9

1 Preferred.
2 Capacity includes filter.

TRANSAXLE, Automatic

All	SL046
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CAPACITY, Total Fill ¹ :	Liters	Qt
2004-05	5.9	6.2
2006-11	6.1	6.5
2012-15	7.3	7.7

1 Total or dry fill capacity shown, use less fluid when refilling.

TRANSAXLE, Manual

CARS & LIGHT TRUCKS

KIA Continued • LAND ROVER

TRANSMISSION, Automatic	SL004
CAPACITY, Total Fill:	Liters Qt
3.8L	10.8 11.3
4.6L	14.0 14.7

TRANSFER CASE	
Full Time 4WD	SL005
Part Time 4WD	AF3
CAPACITY, Refill:	Liters Pt
All	1.6 3.4

DIFFERENTIAL	GL-5
All Temperatures	90
CAPACITY, Refill:	Liters Pt
Front	1.4 3.0
Rear: 3.8L	1.4-1.9 ¹ 3-4 ¹
4.6L	1.9 4.0

¹ The volume may differ according to the vehicle.

OTHER COMPONENTS	
Brake Fluid Reservoir	HB
Power Steering Reservoir	PS013

2014-15 CADENZA

2014-15 OPTIMA

2014-15 SEDONA

CRANKCASE

All ex. Optima w/2.0L	SM, API*
Optima w/2.0L	SEO01

Cadanza	
All temperatures 2.0L	5W-30, 5W-40
All temperatures Hybrid	5W-20, 5W-30
Above 0°F (-18°C)	10W-30
2014-15 Optima, Hybrid	

w/2.0L:	
All temperatures:	
2.0L	5W-30, 5W-40
Hybrid	5W-20, 5W-30
Above 0°F (-18°C)	10W-30
Above 15°F (-10°C)	15W-40
Above 20°F (-5°C)	20W-50
w/2.4L:	
All temperatures	5W-20 ¹ , 5W-30
Above 0°F (-18°C)	10W-30

2014 Sedona	
All temperatures	5W-20 ¹ , 5W-30
Above 0°F (-18°C)	10W-30

2015 Sedona	
All temperatures	5W-30
Above 0°F (-18°C)	10W-30

CAPACITY, Refill²:	Liters Qt
Cadanza, Sedona	5.7 6.0
2014 Optima	5.0 5.3
2015 Optima 2.0L, 2.4L	4.8 5.1
Optima Hybrid	
2014	5.0 5.3
2015	4.8 5.1

¹ Preferred.
² Capacity includes filter.

TRANSMISSION, Automatic	SL046
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CAPACITY, Total Fill¹:	Liters Qt
Cadanza, Sedona	7.8 8.2
Optima:	
w/2.0L	7.8 8.2
w/2.4L	7.1 7.5

TRANSMISSION, Manual	GL-4
All Temperatures	75W-85

CAPACITY, Refill:	Liters Qt
2014 Optima	1.8 1.9
2015 Optima 2.0L, 2.4L	4.8 5.1
Optima Hybrid:	
2014	5.0 5.3
2015	4.8 5.1

¹ Total or dry fill capacity shown. Use less fluid when refilling.

OTHER COMPONENTS	
Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Fluid Reservoir:	
Sedona 2014	PS013
Sedona 2015	PS011

2010-15 FORTE

2010-13 FORTE KOUP

CRANKCASE	SM, API*
Above C°F (-18°C)	10W-30
All Temperatures	5W-20 ² , 5W-30
2015 Turbo all temperatures	5W-30, 5W-40

CAPACITY, Refill¹:	Liters Qt
2010-13: 2.0L	3.9 4.1
2.4L	4.3 4.5
2014-15 1.8L, 2.0L	4.0 4.2
2015 1.6L	4.5 4.7

¹ Capacity includes filter.
² 5W-20 preferred.

TRANSMISSION, Automatic	SL046
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CAPACITY, Total Fill¹:	Liters Qt
2010: 4-Speed	6.6 6.9
5-Speed	7.6 8.0
2011-13	7.1 7.5

CAPACITY, Total Fill¹:	Liters Qt
2014-15: 1.6L, 2.0L	7.1 7.5
1.8L	7.3 7.7

¹ Total or dry fill capacity shown; use less fluid when refilling.

TRANSMISSION, Manual GL-4

CAPACITY, Refill:	Liters Pt
2010: 5 Speed	1.9 4.0
6 Speed	1.8 3.8
2011-13: 2.0L	1.9 4.0
2.4L	1.8 3.8
2014	1.8 3.8
2015: 1.6L	2.0 4.2
1.8L, 2.0L	1.8 3.8

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir:	
Forte, Forte Koup 2010	PS010
Forte, Forte Koup 2011-13	PS011

2010-15 SOUL

2015 SOUL EV

CRANKCASE	SM, API*
Above 0°F (-18°C)	10W-30
All temperatures	5W-20 ² , 5W-30

CAPACITY, Refill¹:	Liters Qt
2010-13: 1.6L	3.3 3.5
2.0L	4.0 4.2
2014-15: 1.6L	3.6 3.8
2.0L	4.0 4.2

¹ Capacity includes filter.
² 5W-20 preferred.

TRANSMISSION, Automatic ex. EV SL046

2015 Soul EV 75W/85 GL-4

CAPACITY, Total Fill¹:	Liters Qt
2010-11: A4CF1	6.8 7.2
A4CF2	6.6 6.9
2012-14: 1.6L	7.3 7.7
2.0L	7.1 7.5
2014-15	7.3 7.5
2015 EV	1.4 1.5

¹ Total or dry fill capacity shown; use less fluid when refilling.

TRANSMISSION, Manual GL-4

CAPACITY, Refill:	Liters Pt
2010-11: M5CF1	1.9 4.0
M5CF2	2.0 4.2
2012-15: M6CF1	1.9 4.0
M6CF3-1	2.0 4.2

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir: 2010-11	PS010

LAND ROVER

2004-05 FREELANDER

2005-09 LR3

2010-15 LR4

2004-15 RANGE ROVER

2006-15 RANGE ROVER SPORT

CRANKCASE

2004-09	SL, SM, API*
2010-13	SEO14
2014: V8	SEO14
V6: Above -4° F (-20° C)	SEO14
Below -4° F (-20° C)	SEO48
2015	SEO48

2004-15 Range Rover, 2006-15 Range Rover Sport:

2004-06:	
All temperatures	5W-40, 5W-50, 0W-40
-30°C to 35°C (-22°F to 95°F)	0W-30
Below 35°C (95°F)	5W-30
Above -20°C (-4°F)	10W-40
2007-09 All temperatures	5W-30
2010-13 All temperatures	5W-20 ³
2014: V8	5W-20
V6: Above -4° F (-20° C)	5W-20
Below -4° F (-20° C)	0W-20
2015	0W-20

2004-07 Freelander:	
All temperatures	0W-40, 0W-50, 0W-60, 5W-40, 5W-50, W-60
Below 35°C (95°F)	0W-30, 5W-30
-20°C to 35°C (-4°F to 95°F)	10W-30
Above -4°F (-20°C)	10W-40, 10W-50, 10W-60
2005-09 LR3 all temperatures	5W-30
2010-13 LR4 5.0L	5W-20
2014 LR4 3.0L: Above -4°F (-20°C)	5W-20
Below -4°F (-20°C)	0W-20
2015 LR4 3.0L	0W-20

CAPACITY, Refill^{1,2}:	Liters Qt
2004-05: Freelander w/Oil Cooler	5.2 5.5

LR3:

2005-06	7.5 7.9
2007-09: 4.0L	5.7 6.0
4.4L	7.7 8.1
2010-15 LR4	8.0 8.5

Range Rover, Range Rover Sport:

2004-05 4.4L	8.5 9.0
2006-09:	
4.2L	7.7 8.1
4.4L	7.7 8.1
2010-13 5.0L	8.0 ³ 8.5 ³
2014-15 Range Rover	8.0 ³ 8.5 ³
2014 Range Rover Sport:	
V8	8.0 ³ 8.5 ³
V6	6.0 ³ 6.3 ³
2015 Range Rover Sport	8.5 9.0

¹ Capacity shown is with filter. After refill, check oil level. Capacities shown are approximate and provided as a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.

² Manufacturer recommends the use of synthetic oils only.

³ Uses Electronic oil level checking and does not have a dipstick. Refer to the owner's manual for procedures.

TRANSMISSION, Automatic

2004-05 Freelander	SL103
2006-09 LR3	SL095
2010-13 LR4	SL095
2014-15 LR4	SL093

2004-05 Range Rover:

ZF Auto Gearbox	AE
GM Auto Gearbox	SL101

2006-12 Range Rover, Range Rover Sport SL095

2013 Range Rover SL096

2014-15 Range Rover, Range Rover Sport SL096

2013 Range Rover Sport SL095

Others AF3

CAPACITY, Refill^{1,2}

2004-05 Freelander	Liters Qt
2005-09 LR3	8.5 9.0
2010-13 LR4	9.5 10.0
2014-15 LR4	9.9 10.5
2014-15 LR4	8.5 9.0

Range Rover, Range Rover Sport:

2004-05	9.9 10.5
2006-09	9.5 10.0

2010-12 Range Rover, Range Rover Sport 9.9 10.5

2013-15 Range Rover 8.5 9.0

2013 Range Rover Sport 9.9 10.5

2014-15 Range Rover Sport 8.5 9.0

¹ Capacities shown are approximate and provided as a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.

² Dry or total fill shown, use less fluid when refilling. With engine at operating temperature, shift through all gears. Check fluid level in PARK and add fluid as needed.

TRANSFER CASE

Freelander 2004-05 GLS69

LR3 2005-09 GLS63

2010-14 LR4 GLS63

2015 LR4: w/o low range transmission GLS88

w/low range transmission GLS63

2004-05 Range Rover GLS14

2006-13 Range Rover, Range Rover Sport GLS63

2014-15 Range Rover GLS63

2014-15 Range Rover Sport:

w/low range transmission GLS63

w/o low range transmission GLS88

CAPACITY, Refill:

Discovery: 2004-05	Liters Pt
2004-05 Freelander	2.0 4.1
2005-09 LR3	1.1 2.3
2010-14 LR4	1.5 3.2

2015 LR4: w/o low range transmission 0.8 1.7

w/low range transmission 1.5 3.2

Range Rover, Range Rover Sport:

2004-05 NV225 1.0 2.0

2006-13 1.5 3.2

2014-15 Range Rover 1.5 3.2

2014-15 Range Rover Sport

w/low range transmission 1.5 3.2

w/o low range transmission 0.8 1.7

DIFFERENTIAL, FRONT & REAR

LR3:

2005 GLS24

2006-09: Standard GLS24

Electronic GLS16

CARS & LIGHT TRUCKS

LAND ROVER Continued • LEXUS

Range Rover, Range Rover Sport:		
2004-12 Standard	GLS24	
Electronic	GLS21	
2013-15 Range Rover		
Front	GLS24	
Rear: Open	GLS24	
Electronic	GLS16	
2013 Range Rover Sport		
Front	GLS24	
Rear: Open	GLS24	
Electronic	GLS21	
2014-15 Range Rover Sport		
Front	GLS24	
Rear: Open	GLS24	
Electronic	GLS16	
2004-06 ex. LR3	GL-5	
All temperatures Synthetic 75W-90		
CAPACITY, Refill¹:	Liters	Pt
2004-05 Freelander ¹ , Rear	0.8	1.7
2005-09 LR3: Front	0.6	1.3
Rear, Open diff	1.1	2.3
Electronic torque	1.5	3.2
2010-11 LR4: Front	0.6	1.3
Rear, Open diff	1.1	2.5
Electronic torque	1.5	3.2
2012-13 LR4: Front	0.6	1.1
Rear, Open diff	1.3	2.6
Rear, Electronic	1.8	3.7
2014 LR4: Front	0.6	1.1
Rear, Electronic	1.7	3.6
Rear, Open Diff	1.2	2.5
2015 LR4: Front	0.6	1.1
Rear, Electronic	1.6	3.4
Rear, Open Diff	1.1	2.3
Range Rover:		
2004-06: Front	0.8	1.7
Rear	1.0	2.1
2007-12: Front	0.75	1.6
Rear: Open Diff	1.1	2.4
Electronic Torque	1.6	3.3
2013-15:		
Front	0.5	1.0
Rear, Open diff	0.8	1.7
Rear, Electronic	1.2	2.5
2006 Range Rover Sport:		
Front	0.6	1.1
Rear	1.5	3.2
2007-11 Range Rover Sport:		
Front	0.6	1.1
Rear: Open Diff	1.1	2.3
Electronic Torque	1.5	3.2
2012-13 Range Rover Sport		
Front	0.6	1.1
Rear, Open diff	1.3	2.6
Rear, Electronic	1.8	3.7
2014-15 Range Rover Sport:		
Front	0.5	1.0
Rear, Electronic	1.2	2.5
Rear, Open diff	0.8	1.7
1 Front Differential is incorporated in the Intermediate Reduction Drive.		

OTHER COMPONENTS		
Brake Master Cylinder all	HBH	
Front Axle Hubs	GL-4, GL-5	
Above -4°F (-20°C)		.90
Below 50°F (-10°C)		.80W
Power Steering: Discovery	AF3	
2004-05 Freelander	AF3	
2005 LR3	PS014	
2006-09 LR3	PS049	
2010-12 LR4	PS049	
2003-12 Range Rover	PS014	
2006 Range Rover Sport	PS014	
2007-13 Range Rover Sport	PS049	
Steering & Suspension Fittings	LM	
2012-15 EVOQUE		
CRANKCASE		
2012-13	SEO16, SEO17	
2014-15	SEO17	
All Temperatures:		
2012-13		.5W-30 ²
2014-15		.5W-30
Capacity, Refill¹:	Liters	Qt
2012-15	5.6	5.9
1 Capacity shown is with filter. After refill, check oil level. Capacities shown are approximate and provide a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.		
2 In an emergency, if the specified oil is unavailable, top off with a maximum of 2 pints (1 litre) of oil meeting specification ILSAGF-5 API SM.		
TRANSMISSION, Automatic		
2012-13	SL077	
2014-15	SL093	
CAPACITY, Total Fill^{1, 2}:	Liters	Qt
AWF21 6-speed	7.0	7.4
9HP48 9-speed	6.2	6.6

1 Capacity is dry/total fill.
2 After refill, check oil level. Capacities shown are approximate and provide a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.

POWER TRANSFER UNIT		
2012-13	GLS17	
2014-15	GLS16	
CAPACITY, Refill¹:	Liters	Pt
2012-13	0.8	1.7
2014-15	0.4	0.9
1 Fill to the bottom of filler plug hole, then remove (200ml/7oz on 2.0L gas or 120ml/4oz on diesel vehicles) for correct fluid capacity.		

DIFFERENTIAL		
Differential: 2012-13, 2015	GLS18	
2014	GLS16	
Actuator: 2014-15	PS006	
CAPACITY, Refill:	Liters	Pt
2012-13	0.7	1.6
2014 Differential	0.9	1.9
2015 Differential	1.2	2.5
2014-15 Actuator	0.5	1.0

HALDEX COUPLING		
Rear	GLS64	
CAPACITY, Refill	Liters	Pt
2012-13	0.6	1.4

OTHER COMPONENTS		
Brake Fluid Reservoir	HBH	

2008-15 LR2		
CRANKCASE		
2008-13	SEO16	
2014-15	SEO17	
2008-10 All temperatures		.5W-30 ¹
2011 All temperatures		.0W-30
2012-15		.5W-30
CAPACITY, Refill¹:	Liters	Qt
2008-12: From VIN 3822	7.7	8.1
VIN 3823 Onwards	7.5	7.9
2013-15	5.6	5.9

1 Capacity shown is with filter. After refill, check oil level. Capacities shown are approximate and provide a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.

TRANSMISSION, Automatic		
All	TIV	
CAPACITY, Total Fill^{1, 2}:	Liters	Qt
AWF21 6-speed	7.0	7.4

1 Capacity show is dry/total fill.
2 After refill, check oil level. Capacities shown are approximate and provide a guide only. All oil levels must be checked using the dipstick or level plugs as applicable.

TRANSFER CASE		
All	GLS17	
CAPACITY, Refill:	Liters	Pt
All	0.75	1.6

DIFFERENTIAL		
Rear	GLS18	
CAPACITY, Refill:	Liters	Pt
Rear	0.7	1.5

HALDEX COUPLING		
Rear	GLS64	
CAPACITY, Refill:	Liters	Pt
Rear	0.65	1.4

OTHER COMPONENTS		
Brake Fluid Reservoir	HBH	
Power Steering Reservoir	PS005	

2015 DISCOVERY SPORT		
CRANKCASE		
2015	SEO17	
All temperatures		.5W-30
CAPACITY, Refill¹:	Liters	Qt
2015	5.4	5.7
1 Capacity shown includes filter. After refilling, check oil level.		

TRANSMISSION, Automatic		
2015	SL093	
CAPACITY, Total Fill¹:	Liters	Qt
2015	6.5	6.9
1 Transmission does not have a dipstick. See appendix for fluid level checking procedure.		

TRANSFER CASE		
2015	GLS16	
CAPACITY, Refill:	Liters	Pt
2015	0.4	0.9

DIFFERENTIAL		
2015: Differential	GLS16	
Actuator	PS006	
CAPACITY, Refill:	Liters	Pt
2015: Differential	0.9	1.9
Actuator	0.5	1.0

OTHER COMPONENTS		
Brake Fluid Reservoir	HBH	

LEXUS

LX450—SEE TOYOTA LAND CRUISER

2012-15 CT200H
2004-09 GS300, GS400, GS430, IS300, IS35C, LS400, LS430, SC300, SC400

2007-11, 2013-15 GS350, GS450H

2008-11 GS460

2013-15 ES300H

2004-06 ES330

2010-15 GX460

2010-12 HS250H

2004-15 IS-F, IS250, IS350, IS250C, IS350C, ES350, LS460, SC430

2008-15 LS600H

2015 NX200T

2015 NX300H

2015 RCF

CRANKCASE API★³

CT200H, GX460, HS250H, IS250, 2014-15 IS350,

2015 NX200T, 2015 NX300H:

All temperatures		.0W-20
2013-15 ES350, ES300H		.0W-20 ⁴
2013-15 GS350, GS450H		.0W-20 ⁴
2008-13 LS460, LS600H,		
2008-11 GS460		.5W-20, 0W-20 ¹
2014-15 LS460, LS600H		.0W-20 ⁴
2015 RCF		.5W-30
2004-14 All others		.5W-30 ¹

CAPACITY, Refill²:	Liters	Qt
CT200H 2011-15	4.2	4.4
ES300H	4.4	4.6
ES330	4.7	5.0
ES350 2007-15	6.1	6.4

GS300:		
2004-05	5.4	5.7
2006:		
2WD	6.3	6.7
4WD	6.4	6.8

GS350:		
2007-15:		
2WD	6.3	6.6
AWD	6.4	6.8
GS400, GS430	5.2	5.5

GS450H:		
2007-15	6.3	6.6
GS460:		
2008-11: 2WD	8.6	9.1
GX460	7.8	8.2
HS250H 2010-12	4.3	4.5
IS-F 2008-14	9.3	9.8

IS250, IS350:		
2WD	6.3	6.6
AWD	6.4	6.8

IS250C, IS350C:		
2011-15	6.3	6.6
IS300	5.4	5.7
LS430	4.5	4.8
LS460: 2007-08	8.6	9.1

2009-15:		
2WD	8.6	9.1
AWD	9.0	9.5
LS600H 2008-15	9.0	9.5

NX200T 2015	4.9	5.2
NX300H 2015	4.4	4.6
RCF 2015	9.3	9.8
SC300	5.2	5.5
SC400	4.7	5.0
SC430	5.2	5.5

1 Preferred.
2 Capacity shown is with filter. After refill, check oil level.
3 Engine series with the following codes GR, JZ, MS, UZ & VZ may use API★ 5W-20 oil.

4 If 0W-20 is not available, 5W-20 oil may be used. However, it must be replaced with 0W-20 at the next oil change.

TRANSMISSION/TRANSAXLE, Automatic:		
2007 ES350, GS350, GS430, GS450H,		WS
IS250, IS350		WS
2004-06 LS430		WS
2008-15 All		WS

All Others		TIV
CAPACITY, Initial Refill^{1, 4}:	Liters	Qt
CT200H	3.4	3.6 ²
ES300H	3.7	3.9
ES330	3.5	3.7
ES350 2007-15	2.8	3.0

GS300, GS400:		
2004	2.0	2.1
2005 GS300	1.8	1.9

CARS & LIGHT TRUCKS

LEXUS Continued • MAZDA

CAPACITY, Initial Refill ^{1, 4} :	Liters	Qt
2006 GS300:		
A760H	1.6 ³	1.7 ³
A960E	1.1 ³	1.2 ³
GS350:		
2007-10: 2WD	1.8	1.9
4WD	2.8	3.0
2011-13: 2WD	1.4 ²	4.5 ²
4WD	1.6 ²	1.7 ²
2014: 2WD	3.2	3.4
4WD	1.6	1.7
2015: 2WD	3.2	3.4
4WD	1.6	1.7
GS430: 2004-05	1.8	1.9
2006	1.3 ³	1.4 ³
2007	1.7	1.8
GS450H: 2007-10	5.4	5.7
2011-15	5.7 ²	6.0 ²
GS460	3.2 ²	3.4 ²
GX460	1.7	1.8
HS250H 2010-12	4.2 ²	4.4 ²
IS-F 2008-14	3.7 ²	3.9 ²
IS250: 2006:		
2WD	1.5	1.6
AWD	2.7	2.8
2007-10:		
2WD	1.8	1.9
AWD	2.8	3.0
IS250, IS350		
2011-12:		
A760E	1.8	1.9 ¹
A760H	2.8	3.0 ¹
A960E	1.8	1.9 ¹
2013:		
A760E	1.4	1.5
A760H	2.8	3.0
A960E	1.8	1.9
2014:		
A760H	1.6	1.7
A960E	1.4	1.5
AA81E	3.2	3.4
2015:		
A760H	1.6	1.7
A960E	1.4	1.5
AA81E	3.2	3.4
IS250C, IS350C		
2011-15:		
A760E	1.8	1.9
A960E	1.5	1.6
IS300	2.4	2.5
IS350 2006-10	1.7	1.8
LS400	1.9	2.0
LS430: 2004-06	1.7 ³	1.8 ³
LS460	3.2 ²	3.4 ²
LS600H:		
2008-09	3.6 ²	3.8 ²
2010	5.7 ²	6.0 ²
2011-15	5.5 ²	5.8 ²
NX200T: 2015	2.8	3.0
NX300H: 2015	3.8	4.0
RCF: 2015	3.7	3.9
SC430:		
2004-05	1.8	1.9
2006-08	1.3 ³	1.4 ³
1 Transmissions with dipstick: With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
2 Reference fill only specification given.		
3 Top up as needed.		
4 Transmissions without dipstick, require special procedures, to check fluid levels refer to the transmission fluid service guide appendix for procedures.		
TRANSMISSION/TRANSAXLE, Manual		
IS250, IS300 ex. 2011-12 IS250	GL-4, GL-5	
2011-12 IS250	GL-5	
All temperatures	.75W-90	
SC300	GL-4, GL-5	
All temperatures	.75W-90, 80W-90	
CAPACITY, Refill:	Liters	Pt
IS250	1.8	3.8
IS300, SC300	2.6	5.4
TRANSFER CASE		
2007-10 GS350, 2009 LS460,		
2008-09 LS600h, 2015 NX200T	.75W-85	GL-5
2011, 2013-15 GS350		WS
GX460	.75W	GLS72
2008-15 IS250, IS350		WS ¹
2014-15 LS460, LS600HL		SL149
CAPACITY, Refill:	Liters	Pt
2007-10 GS350, 2009-15 LS460,		
2008-15 LS600h	0.7	1.6
2011, 2013-15 GS350	NS ¹	NS ¹
GX460	1.4	3.0
2008-15 IS250, IS350	NS ¹	NS ¹
NX200T	.45	.95
1 Fill with automatic transmission.		
DIFFERENTIAL		
GS300, GS430, LS430, SC430 w/LSD	GL-5*	
All temperatures	Synthetic 75W-90	
GS450H, LS460, LS600H, IS-F	GL-5	
All temperatures	.75W-85	
GX460: Front	.75W-85	GL-5
Rear	.75W58	GL-5

IS250/IS350, GS350		
Front	GL-5	
Above 0°	SAE90	
Below 0°	.80W-90	
Rear	GL-5 ¹	
All Temperatures	.75W-85	
All Others	GL-5	
All temperatures	.80W-90	
NX200T: 2015	.75W-85	GL-5
NX300H: 2015		WS
RCF: 2015: w/Limited slip	.75W-85	GL-5*
w/torque vectoring differential	.75W-85	GL-5 ¹
torque transfer module		WS
CAPACITY, Refill:	Liters	Pt
2007-15 GS350:		
Front	0.7	1.4
Rear	1.4	3.0
GS450H	1.4	3.0
GS460:		
Rear	0.7	1.5
GX460:		
Front	1.4	3.0
Rear	2.7	5.7
IS-F	1.4	3.0
IS250, IS350:		
Front	0.7	1.48
Rear: IS250	1.2	2.5
IS350	1.4	3.0
IS300	1.1	2.3
CAPACITY, Refill:	Liters	Pt
LS460, LS600H:		
Front	0.8	1.7
Rear	1.3	2.7
NX200T	0.5	1.0
NX300H	1.8	3.8
RCF Differential	1.35	2.85
Torque transfer module:		
Leftside	0.7	1.48
Rightside	0.7	1.48
All other RWD ex. 2006 GS300	1.4	3.0
2006 GS300:		
Front	0.7	1.48
Rear:		
2WD	1.2	2.5
4WD	1.1	2.3
1 Toyota Genuine Gear Oil LT or equivalent.		
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir ex. Electric		AF3
2004-09 GX470, LX470, RX330, RX400H		
2008-15 LX570		
2007-15 RX350, RX450H		
CRANKCASE	API*	
LX570, RX450H	.0W-20 ¹	
2010-15 RX350	.0W-20 ¹	
2008 RX400H	.5W-20, .0W-20 ¹	
Above 0°F (-18°C)	.10W-30	
All others	.5W-30 ¹	
CAPACITY, Refill²:	Liters	Qt
GX470	6.2	6.6
LX470	6.8	7.2
LX570: 2008-09	7.0	7.4
2010:		
w/Blue dipstick	7.0	7.4
w/Green dipstick	7.5	7.9
2011, 2013-15	7.5	7.9
RX330	4.7	5.0
RX350 2007-15	6.1	6.4
RX400H	4.7	5.0
RX450H 2010-15	6.1	6.4
1 Preferred.		
2 Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
GX470:		
2004-09		WS
LX470, LX570:		
2004-11, 2013-15		WS
RX330		TIV
RX350		WS
RX400H, RX450H		WS
CAPACITY, Initial Refill¹:	Liters	Qt
GX470:		
2004-05	1.7 ²	1.8 ²
2006-08	1.3 ²	1.4 ²
LX470:		
2004-05	3.0	3.2
2006-07	1.7 ²	1.8 ²
LX570 2008-11, 2013-15	2.1	2.2
RX330: 2004:		
w/U151E Trans.	3.5	3.7
w/U151F Trans.	3.6	3.8
2005-06	3.5	3.7
RX350: 2007-09	3.5	3.7
2010-15 U660F, U660E	2.8	3.0
2013-15 U880F	3.0	3.2

CAPACITY, Initial Refill ¹ :	Liters	Qt
RX400H: Front:		
w/o Towing	3.9	4.1
w/Towing	4.2	4.4
Rear (AWD only)	2.0	2.1
2007-08	1.8	1.9
RX450H:		
2010-15 P313	4.6	4.9
Q211 Rear (AWD)	1.8	1.9
1 Transmissions with dipstick: With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
2 Top up as needed.		
TRANSFER CASE		
GX470		GL-5
All temperatures	.75W-90	
LX470		GL-4, GL-5
LX570: 2008-10	.75W-90	GL-5
2011, 2013-15	.75W	GLS72
RX330, RX350		GL-5
2004-09: Above 0°F (-18°C)		.90
Below 0°F (-18°C)	.80W, 80W-90	
2010-15 All Temperatures		.75W-85
CAPACITY, Refill:	Liters	Pt
GX470	1.4	3.0
LX470	1.3	2.7
2008-11, 2013-15 LX570	1.5	3.1
2007-09 RX330, RX350	0.9	1.9
2010-15 RX350	0.8	1.6
DIFFERENTIAL		
GX470		GL-5
Above 0°F (-18°C)		.90
Below 0°F (-18°C)	.80W, 80W-90	
LX470, LX570: 2004-07:		GL-5
Standard		.90
Above 0°F (-18°C)		.90
Below 0°F (-18°C)	.80W, 80W-90	
2008-15 All temperatures		.75W-85
Limited-slip		GL-5*
RX330, RX350		GL-5
2010-15: All temperatures		.75W-85
CAPACITY, Refill:	Liters	Pt
GX470:		
Front	1.4	3.0
Rear	3.1	6.6
LX470: Front:		
2004-07	1.6	3.4
2008-09	2.0	4.1
Rear: 2004 w/o locking diff	3.2	6.8
w/locking diff	3.3	7.0
2005-07	3.3	7.0
2008-09	4.3	9.0
LX570 2008-11, 2013-15:		
Front	1.9	4.0
Rear	4.2	8.9
RX330, RX350:		
2007-09	0.9	1.9
2010-15	0.5	1.0
OTHER COMPONENTS		
Active Height Control Suspension Fluid		SL105
Brake & Clutch Master Cylinder		HB
Power Steering		AF3

MAZDA

B2300, B2500, B3000, B4000M,
TRIBUTE — SEE FORD TRUCKS

2004-06 MPV

CRANKCASE	API*	
All temperatures:	.5W-20	
CAPACITY, Refill¹:	Liters	Qt
All	5.7	6.0
1 Capacity shown includes filter.		
TRANSAXLE, Automatic		
CAPACITY, Total Refill¹:	Liters	Qt
All (Total Fill)	9.7	10.2
1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.		
TRANSFER CASE		
All temperatures	.75W-90	
Above 50°F (10°C)	.80W-90	
CAPACITY, Refill:	Liters	Pt
All	1.5	3.2
DIFFERENTIAL		
All temperatures	GL-5	
Above 0°F (-18°C)		.90
Below 0°F (-18°C)		.80W
CAPACITY, Refill:	Liters	Pt
Front	1.7	3.6
Rear	1.5	3.2
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir		AF3, MA

CARS & LIGHT TRUCKS

MAZDA Continued • MERCEDES-BENZ

2004-15 MIATA

CRANKCASE

All	API*	
2004-10: All temperatures	5W-20	
2011-15: All temperatures	0W-20	

CAPACITY, Refill¹:	Liters	Qt
2004-05	3.8	4.0
2006-07	4.3	4.5
2008-15: w/6-speed Manual Trans	4.5	4.8
w/o 6-speed Manual Trans	4.4	4.7

¹ Capacity shown is with filter. After refill, check oil level.

TRANSMISSION, Automatic

2004-05	AF3	
2006-15	TIV	

CAPACITY, Total Refill¹:	Liters	Qt
2004-05	6.7	7.1
2006-15	7.4	7.8

¹ Total refill shown.

TRANSMISSION, Manual

All ex 2006-15 6-speed	GL-4, GL-5	
2006-15 6-Speed	75W-90 GL-4	
Above 50°F (10°C) ex. 2006-15 w/6-Speed	.80W-90	
CAPACITY, Refill:	Liters	Pt
2004-15 5-Speed	2.0	4.2
2004-05 6-Speed	1.8	3.8
2006-15 6-Speed	2.1	4.4

DIFFERENTIAL

2004-06	.90	
2007-15	.90, 80W-90, 75W-90	
CAPACITY, Refill:	Liters	Pt
2004	1.0	2.1
2005: w/traction control	0.8	1.7
w/o traction control	1.0	2.1
2006-12	0.6	1.3
2013-15	0.7	1.5

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir 2004-12	AF3, MA
2013-15	AF3

2013-15 CX-5

2007-12 CX-7

2007-15 CX-9

2011-14 MAZDA2

2004-15 MAZDA3

2006-10, 2012-15 MAZDA5

2004-15 MAZDA6

CRANKCASE

CX-5: All temperatures	API*	
CX-7:	0W-20	

All temperatures w/Turbo	5W-30
w/2.5L	5W-20
CX-9 All temperatures	5W-20
Mazda2	0W-20

Mazda3, 5, 6:	
All temperatures ex. Turbo	5W-20 ¹
w/Turbo	5W-30
w/Skyactiv	0W-20
Mazda3 2011-15	0W-20
Mazda5 2012-15	0W-20

Mazda6 2012-15:	
2.5L	0W-20
3.7L	5W-20

CAPACITY, Refill²:

2004-08 All:	Liters	Qt
2.0L	4.3	4.5
2.3L: Non Turbo	4.3	4.5
Turbo	5.7	6.0
3.0L: 2004-05:	5.2	5.5
2006-08	5.7	6.0
3.7L	5.2	5.5

CX-5 2.0L	4.2	4.4
2.5L	4.5	4.8
2009-12 CX-7: w/Turbo	5.7	6.0
w/2.5L	5.0	5.3

2009-15 CX-9	5.2	5.5
2011-14 Mazda2 1.5L	3.9	4.1

Mazda3 2.0L, 2.3L	4.3	4.5
2.3L Turbo Mazda3 2007-13	5.7	6.0
2010-13 w/2.5L	5.0	5.3

Mazda3:		
2014-15 w/2.0L SKYACTIV	4.2	4.4
2014-15 w/2.5L SKYACTIV	4.5	4.8

Mazda5:		
2006-10	4.3	5.5
2012-15	5.0	5.3

Mazda6:		
2.3L 2003-08 ex. Turbo	4.3	4.5
2.3L Turbo	5.7	6.0
3.0L: 2004-05	5.2	5.5
2006-08	5.7	6.0
2009-13: 2.5L	5.0	5.3
3.7L	5.2	5.5
2014-15	4.5	4.8

2014-15	4.5	4.8
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2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

2006-10	4.3	5.5
2012-15	5.0	5.3

TRANSAXLE, Automatic

2013-15 CX-5	SL049	
2007-09 CX-7, CX-9	TIV	
2010-12 CX-7: w/5-speed	SL050	

w/6-speed	TIV	
2010-15 CX-9 w/6-speed	TIV	

Mazda2, 3, 5, 6, ex. Mazda3,	
Mazda6 w/6-speed	SL050

2013-15 Mazda3, 2014-15 Mazda6	
w/6-speed	SL049

2013 Mazda6 w/6-speed	TIV	
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CAPACITY, Total Fill¹:

All ex. CX-7, CX-9, Mazda3, Mazda5, Mazda6:	Liters	Qt
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2004-07	7.2	7.6
2007-09 CX-7, CX-9	7.0	7.4
2010-12 CX-7: w/5-Speed	5.0	5.3
w/6-Speed	7.0	7.4
2011-15 CX-9 w/6-Speed	6.6	7.0
2013-15 CX-5	7.8	8.2
Mazda2 4-speed	4.5	4.8
Mazda3: 2004-09 FN4A-EL	7.2	7.6
2006-13 FS5A-EL	8.1	8.6
2012-15 FW6A-EL	7.8	8.2
Mazda5: 2006-07	7.2	7.6
2008-10	8.1	8.6
2012-15	8.1	8.6

Mazda6:		
2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	8.2

2004 w/2.3L	7.2	7.6
2004 w/3.0L	9.2	9.7
2005: 4-speed	7.2	7.6
6-speed	7.0	7.4
2006-10: 5-speed	8.1	8.6
6-speed	7.0	7.4
2011-13: 5-Speed	8.1	8.6
6-Speed	6.6	7.0
2014-15	7.8	

CARS & LIGHT TRUCKS

MERCEDES-BENZ Continued

CAPACITY, Refill ¹ :			CAPACITY, Refill:			CAPACITY, Refill:		
	Liters	Qt		Liters	Pt		Liters	Pt
2006 S65 AMG	10.5	11.1	G55, G500	2.8	5.9	ML Class:		
2007 S65 AMG	9.0	9.5	GL450, ML55 AMG, ML320,			2004-05 ML350:		
2004-07: S600	9.0	9.5	ML350, ML500:			Front	1.2	2.5
2005-07 SL65 AMG	8.0	8.5	Single speed	0.5	1.1	Rear	1.6	3.4
2004-07 SL600	8.0	8.5	Double speed	1.5	3.2	2004-05 ML500:		
1 Capacity shown includes filter. On models with oil cooler, additional oil may be needed when cooler is drained. Allow 5 minutes after refilling or turning engine off before checking oil Level. V12 with oil filter on top; use wrench Part No. 103589020900.			R350, R500	0.5	1.1	Front	1.2	2.5
TRANSMISSION, Automatic			S430, S500	0.6	1.3	Rear	1.65	3.5
All w/722.6, 722.9 Trans		SL057	DIFFERENTIAL			2006-07 ML350, ML500:		
All w/722.7 Transmission		SL054	Front:			Front	1.1	2.3
CAPACITY, Total Fill¹:			2004-07 ex. G500, G55 AMG			Rear: 195mm HAM		
C Class:	Liters	Qt	2005-07 G55 AMG			w/o differential lock	1.1	2.3
2004-05 C32 AMG	8.0	8.5	2004 G500, G55 AMG			230mm HAM		
2005-07 C55 AMG	8.7	9.2	2005-07 G500			w/differential lock	1.6	3.4
2004-05 C230, C240, C280	8.0	8.5	Rear:			R Class 2006-07:		
2006-07 C230, C280, C350	8.5	9.0	2004 ex. G500, G55 AMG			Front	1.1	2.3
2004-05 C320	8.0	8.5	2004 G500, G55 AMG			Rear:		
CL Class:			2005-07 ex. CLK63 AMG, G55 AMG,			R350, R500 195mm HAM		
2004-06 CL55 AMG	9.1	9.6	GL320, GL450, ML320, ML500,			w/o differential lock	1.1	2.3
2005-06 CL65 AMG	7.5	7.9	ML63 AMG, R63 AMG, S65 AMG,			S Class:		
2004 CL500	8.0	8.5	SL65 AMG, SLK55 AMG			2004-05 S55 AMG	2.0	4.2
2005-06 CL500	9.0	9.5	2005-07 CLK63 AMG, G55 AMG,			2004-05 S430, S500:		
2007 CL550	9.0	9.5	R63 AMG, S65 AMG, SL65 AMG,			Front	0.6	1.3
2004-07 CL600	7.5	7.9	SLK55 AMG			Rear	1.6	3.4
CLK Class:			2007 GL320, GL450, ML320, ML500,			2004-05: S600	1.9	4.0
2004-07 CLK55 AMG	9.1	9.6	ML63 AMG			2006:		
2004 CLK320	8.0	8.5	CAPACITY, Refill:			Front All 4Matic	0.6	1.3
2006-07 CLK350	9.0	9.5	C Class:			Rear:		
2004-06 CLK500	9.1	9.6	2004-05:			S55 AMG, S65 AMG	1.9	4.0
2007 CLK550	9.1	9.6	C32 AMG			S350, S430 4Matic,		
CLS Class:			C230			S500 4Matic	1.1	2.3
2006-07 CLS55 AMG	8.7	9.2	C240: Front			S430, S500	1.6	3.4
2006-07 CLS500:			Rear			S600	1.9	4.0
w/o code A25	9.0	9.5	C320: Front			2007: Front All 4Matic	0.6	1.3
w/code A25	6.7	7.1	Rear			Rear:		
E Class:			2005-06 C55 AMG			200mm	1.1	2.3
2004-06 E55 AMG	7.5	8.0	2006-07:			215mm	1.2	2.5
2007 E63 AMG	8.5	9.0	Front All 4Matic			240mm	1.6	3.4
2004-06 E320	7.5	7.9	Rear: C280, C350:			240V	1.9	4.0
2005-06 E320 CDI	9.1	9.6	C230, C280 4Matic,			SL Class:		
2007 E320 Bluetec	9.2	9.7	C350 4Matic:			2005 SL65 AMG	1.2	2.5
2006 E350	8.0	8.4	CL Class:			2004-05 SL500, SL55	1.4	3.0
2007 E350	9.2	9.7	2004: CL55 AMG			2004-05 SL600	1.4	3.0
2004-05 E500	7.5	8.0	2005-06: CL55 AMG			2006: SL500, SL600,		
2006 E500	8.0	8.4	CL65 AMG			SL55 AMG w/o code 030:		
4 Matic	6.5	6.8	2004-06: CL500			198mm	1.1	2.3
2007: E550	9.2	9.7	2007 CL550, CL600: 215mm			210mm	1.6	3.4
E550 4 Matic	8.1	8.5	240mm			215mm	1.2	2.5
G Class:			2004-06 CL600			240mm	1.9	4.0
2004-07 G55	8.5	9.0	CLK Class:			SL55 AMG w/code 030 ¹ ,		
2004-07 G500	8.5	9.0	2004-06 CLK55 AMG			SL65 AMG	1.2	2.5
GL Class:			2007 CLK63 AMG			2007: SL55 AMG,		
2007 GL450	9.0	9.5	2004-05 CLK320			SL65 AMG ¹ 215mm	1.2	2.5
ML Class:			2006-07 CLK350			SL550, SL600:		
2007 ML63 AMG	9.0	9.5	2004-06 CLK500			198mm	1.1	2.3
2004-07 ML350	9.0	9.5	2007 CLK550			210mm	1.6	3.4
2004-06 ML500	9.1	9.6	CLS Class:			215mm	1.2	2.5
2007 ML500	9.0	9.5	2006:			240mm	1.9	4.0
R Class:			CLS55 AMG w/code 030 ¹			SLK Class:		
2006-07 R63 AMG, R350	9.0	9.5	CLS500, CL55 AMG w/o code 030:			2004-05 SLK32 AMG, SLK320	1.2	2.5
2006-07 R500	9.0	9.5	187mm			2005-07 SLK55 AMG	1.2	2.5
S Class:			198mm			SLK230	1.3	2.7
2004-06 S55 AMG, S430, S500,	9.1	9.6	210mm			2005-07 SLK350	1.1	2.3
2004-07 S65 AMG, S600	7.5	7.9	215mm			2006-07 SLK280	1.0	2.1
2006 S350	7.5	7.9	215mm			1 Use Castrol SAF-JL.		
2007 S550	9.0	9.5	2007:			LIMITED-SLIP IDENTIFICATION:		
SL Class:			CLS55, CLS55 AMG,			Metal plate on rear of differential, near fill plug.		
2007 SL55 AMG Evo	8.7	9.2	CLS63 AMG: 215mm			OTHER COMPONENTS		
2004-06 SL55 AMG	8.0	8.5	CLS550: 198mm, 200mm			Body & Sunroof Rails		
2004-07 SL65, SL600 AMG	7.5	7.9	E Class:			Brake Master Cylinder		
2004-06 SL500	9.1	9.6	2004-06 E55 AMG			Clutch Master Cylinder		
2007 SL550	9.0	9.5	E320 Front: 2004-05			Power Steering:		
SLK Class:			E350: 2006			2007 GL-Series,		
2004 SLK32 AMG	8.0	8.5	2007			2004-07 ML-Series, 2006-07 R-Series,		
2005-07 SLK55 AMG	9.0	9.5	2004-06 E500			2004 SLK-Series		
2004 SLK230	8.0	8.5	2007 F550			PS015		
2006-07 SLK280	9.0	9.5	E320:			2004-07 C-Series, 2004-07 CL-Series,		
2004 SLK320	8.0	8.5	Rear:			2004-07 CLK-Series, 2006-07 CLS-Series,		
2005-07 SLK350	9.0	9.5	2004			2004-07 E-Series, 2004-07 S-Series,		
1 Total fill, add less fluid when refilling.			2004-05 4Matic, Wagon			2004-07 SL-Series,		
TRANSMISSION, Manual			2007 Bluetec			2005-07 SLK-Series		
CAPACITY, Refill:			2005-06 CDI			PS015		
C230 2004-07	1.2	2.5	E35U:			2004-05 G-Series:		
C240	1.2	2.5	2006-07 ex. 4Matic, Wagon			PS015		
C280, C350	1.5	3.2	2006 4Matic, Wagon			2008-10 ALL MODELS		
C320	1.5	3.2	2007 4Matic, Wagon			ex. 2010 GLK-CLASS		
CLK350	1.5	3.2	2004-06 E55 AMG			CRANKCASE		
E320 2006-07	1.3	2.7	2007 E63 AMG			2008 G500, SL55 AMG; 2008-10 CL65 AMG,		
SLK230, SLK320, SLK280, SLK350	1.5	3.2	2004-06 E500			CL600, G55 AMG, S600; 2008-10 S65 AMG,		
TRANSFER CASE			2007 E550			SL600, SL65 AMG, SLK55 AMG		
C-Class		SL054, SL055, SL057	2007 E550 4Matic			SE030		
2004-05 E320		SL092	G Class:			2008 SLK280; 2008-10 C300, C350,		
E350, E550		SL056	G500, G55 Front			CLK 350, CLS 550, E350, E550,		
G-Class		GLS46	Rear			GL450, GL550, ML350, ML550, SLK 350,		
CAPACITY, Refill:			GL Class:			S550, SL550; 2009-10 G550, SLK300;		
C240, C280, C320, C350	Liters	Pt	GL450 2006:			2010 ML450, R350, S400		
E320 2004-05	0.6	1.3	Front			SE028, SE030		
E350 2006-07	0.6	1.3	Rear:			2008-10 C63 AMG, CL63 AMG,		
E500 2004-06	0.6	1.3	195mm HAM			CLK63 AMG, CLS63 AMG, CLS63 AMG,		
E550 2007	0.6	1.3	w/o differential lock			E63 AMG ML63 AMG, S63 AMG,		
			230mm HAM			SL63 AMG		
			w/differential lock			SE030, SE031		
						2008-10 Diesel		
						SE031		

CARS & LIGHT TRUCKS

MERCEDES-BENZ Continued

All Temps			CAPACITY, Refill ^{1, 2}			CAPACITY, Refill		
Above -4°F (-20°C)			E300 4MATIC 2009			E350 4MATIC 2008-09		
Above 5°F (-15°C)			E320 2008-09			GL, ML, R Series 2008-10		
Above 23°F (-5°C)			E350, E550 2008-09			GLK 350 4MATIC 2010		
0W-30, 5W-30, 0W-40, 5W-40, 5W-50			E350 4MATIC, E550 4MATIC 2008-09			Rear:		
.10W-30, 10W-40, 10W-50, 10W-60			E350, E550 4MATIC, E550,			C63 AMG 2008-10		
.15W-40, 15W-50			E550 4MATIC 2010			C230, C230 Sport 2008-09		
.20W-40, 20W-50			G Class:			C300, C300 Sport 2008-09		
CAPACITY, Refill ¹			G55 2008			C300, C300 Sport 2010		
Liters			G500 2008			C300 4MATIC, C300 4MATIC		
Qt			GL Class:			Sport 2008-09		
C Class:			GL320, GL350, GL450,			C300 4MATIC,		
C63 AMG 2008-10			GL550 2008-10			C300 4MATIC Sport 2010		
C300, C300 Sport 2008-10			GLK350, GLK350 4MATIC 2010			C300 4MATIC,		
C300 4MATIC, C300 4MATIC			ML Class:			C350, C350 Sport 2008-10		
Sport 2008-10			ML63 AMG 2008-10			C350 4MATIC 2008-10		
C350, C350 Sport, C350			ML320 CDI, ML350,			CL63 AMG 2008-10		
4MATIC 2008-10			ML550 2008-10			CL65 AMG 2010		
C350 4MATIC Sport 2008-10			ML450 Hybrid 2010			CL550 2008		
CL63 AMG 2008			R Class:			CL550 2009-10		
CL63 AMG 2009-10			R350 2008-10			CL600 2008-10		
CL65 AMG 2008-10			R350 4MATIC 2008-10			CLK63 AMG 2008-09		
CL550 2008-10			R500 4MATIC 2008			CLK350 2008-09		
CL600 2008-10			R320 CDI 4MATIC 2008-09			CLK550 2008-10		
CLK63 AMG 2008-09			S Class:			CLK550 2009-10		
CLK350 2008-10			S63 AMG 2008-10			CLK550 2008-09		
CLK550 2008-10			S65 AMG 2008-10			CLK350 2008-10		
CLS63 AMG 2008-09			S400 Hybrid 2010			CLK550 2008-10		
CLS550 2008-09			S450 4MATIC 2009			CLS63 AMG 2008-09		
E Class:			S450 4MATIC, S550 4MATIC 2010			CLS550 2008-09		
E63 AMG 2008-10			S550 2008-10			E63 AMG 2008-09		
E300 4MATIC 2009			S550 4MATIC 2008-09			E63 AMG 2010:		
E320 2008-09			S600 2008-10			w/187FE		
E350 2008-10			SL55 AMG 2008			w/200FE		
E350 4Matic 2008-10			SL63 AMG 2009			w/215FE		
E550 2008-10			SL65 AMG 2008-09			E320 2008-09		
G Class:			SL550 2008-09			E300 2009		
G55 2008			SL600 2008-09			E350 2008-09		
G500 2008			SL600 2008-09			E350 Sedan 2010		
GL Class:			SLK55 AMG 2008-10			E550 2008-09		
GL320 CDI 2008-09			SLK280 2008			E550 Sedan 2010		
GL350 Bluetec 4MATIC 2010			SLK300 2008-09			E350, E550 4MATIC 2008-09		
GL450 2008-10			SLK350 2008-10			GL320 CDI 2008-09:		
GL550 2008-10			All			w/o Differential lock		
GLK350 4MATIC 2010			CAPACITY, Refill			w/Differential lock		
ML Class:			Liters			GL350 2010:		
ML63 AMG 2008-10			Pt			w/o Differential lock		
ML320 CDI 2008-09			C300, C300 Sport 2008-10			w/Differential lock		
ML350 2008-10			SLK280 2008			GL450 2008-09:		
ML350 4MATIC 2010			SLK300 2009-10			w/o Differential lock		
ML450 Hybrid 4MATIC 2010			SLK350 2008-10			w/Differential lock		
ML550 2008-10			TRANSFER CASE			GL550 2008-09:		
R Class:			C300 4MATIC, CL550 4MATIC,			w/o Differential lock		
R320 CDI 4MATIC 2008-09			CLS550 4MATIC, E350 4MATIC,			w/Differential lock		
R350 2008-09			E550 4MATIC, GLK350 4MATIC,			GL320 CDI 2008-09:		
R350 Bluetec 4MATIC 2010			S550 4MATIC			w/o Differential lock		
R350 4MATIC 2008-10			GL-Class, ML-Class, R-Class			w/Differential lock		
R550 4MATIC 2008			CAPACITY, Refill			GL350 2010		
S Class:			Liters			GLK350 4MATIC 2010		
S63 AMG 2008			Pt			ML63 AMG 2008-10		
S63 AMG 2009-10			C300 4MATIC			ML320 CDI 2008-09		
S65 AMG 2008			CL550 4MATIC			ML350 2008-10		
S65 AMG 2009-10			E350 4MATIC			ML350 Bluetec 4MATIC,		
S400 Hybrid 2010			E550 4MATIC			ML350 4MATIC 2010		
S450 4MATIC 2008-09			GL-Class: 4MATIC w/single speed			ML450 Hybrid 2010		
S550 2008-10			4MATIC w/double speed			ML550 2008-10		
S550 4MATIC 2008-10			GLK350 4MATIC			R320 CDI 4MATIC 2008-09		
S600 2008-10			ML-Class: 4MATIC w/single speed			R350 2008-10		
SL55 AMG 2008			4MATIC w/double speed			R350 4MATIC 2008-10		
SL63 AMG 2009			R-Class			R550 4MATIC 2008		
SL65 AMG 2008-09			S550 4MATIC			S63 AMG 2008-10		
SL550 2008-09			1 4MATIC unit is lubricated as part of the automatic transmission.			S65 AMG 2008-10		
SL600 2008-09			DIFFERENTIAL			S400 Hybrid 2010		
SLK55 AMG 2008-10			Front:			S450 2008-10		
SLK280 2008			C-Class, E-Class, GL-Class, ML-Class,			S550 2008-10		
SLK300 2009-10			R-Class			S550 4MATIC 2008-10		
SLK350 2008-10			G55 AMG			S600 2008-10		
1 Includes filter. On Models with oil coolers, additional oil may be			G500			SL55 2008		
needed when oil cooler is drained. Allow 5 minutes after refilling or			Rear:			SL63 AMG 2009		
turning engine off before checking oil level.			C-Class, CL-Class, CLK350, CLK550,			SL65 AMG 2008-09		
2 Capacity includes external oil cooler.			CLS550, E-Class, R-Class, S-Class,			SL550 2008-09		
TRANSMISSION/TRANSAXLE, Automatic			SL550, SL600, SLK280, SLK350			SL600 2008-10		
2008-09			CLK63 AMG, G55 AMG, SL55 AMG,			SLK280 2008		
2010 ex. ML450			SL65 AMG, SLK55 AMG			SLK300 2009-10		
ML450			G500			SLK350 2008-10		
CAPACITY, Refill ^{1, 2}			GL-Class, ML-Class w/o Locking Diff			1 4MATIC unit is lubricated as part of the automatic transmission.		
Liters			GL-Class, ML-Class w/Locking Diff			DIFFERENTIAL		
Qt			CAPACITY, Refill			Front:		
C Class:			Liters			C-Class, E-Class, GL-Class, ML-Class,		
C63 AMG 2008-10			Pt			R-Class		
C300, C300 Sport 2008-10			C230 4MATIC, C230 4MATIC			G55 AMG		
C300 4Matic, C300 4MATIC			Sport 2008			G500		
Sport 2008-10			C230 4MATIC 2009			Rear:		
C350 2008-10			C300 4MATIC, C300 4MATIC			C-Class, CL-Class, CLK350, CLK550,		
C350 4Matic, C350 4MATIC			Sport 2008-10			CLS550, E-Class, R-Class, S-Class,		
Sport 2008-10			C350 4MATIC, C350 4MATIC			SL550, SL600, SLK280, SLK350		
C350 Sport 2008-10			Sport 2008-10			CLK63 AMG, G55 AMG, SL55 AMG,		
CL63 AMG 2008-10			Sport 2008-10			SL65 AMG, SLK55 AMG		
CL65 AMG 2008-10			Sport 2008-10			G500		
CL550 2008-09			Sport 2008-10			GL-Class, ML-Class w/o Locking Diff		
CL550 2010			Sport 2008-10			GL-Class, ML-Class w/Locking Diff		
CL600 2008-09			Sport 2008-10			CAPACITY, Refill		
CL600 2010			Sport 2008-10			Liters		
CL63 AMG 2008-09			Sport 2008-10			Pt		
CL63 AMG 2008-09			Sport 2008-10			Front:		
CLK350 2008			Sport 2008-10			C230 4MATIC, C230 4MATIC		
CLK350 2009			Sport 2008-10			Sport 2008		
CLS63 AMG 2008			Sport 2008-10			C230 4MATIC 2009		
CLS63 AMG 2009			Sport 2008-10			C300 4MATIC, C300 4MATIC		
CLK550 2008-09			Sport 2008-10			Sport 2008-10		
CLS550 2008-09			Sport 2008-10			C350 4MATIC, C350 4MATIC		
E Class:			Sport 2008-10			Sport 2008-10		
E63 AMG 2008-09			Sport 2008-10			Sport 2008-10		
			Sport 2008-10			Sport 2009		

CARS & LIGHT TRUCKS

MERCEDES-BENZ Continued

2011-15 All ex. BlueTec (Diesel), 2012 C250, 2015 C300, C300 4MATIC	SE030
2012 C250: Coupe Sedan	SE030 SE031
2012-14 BlueTec (Diesel)	SE027, SE029, SE031
2015 BlueTec (Diesel)	SE028, SE030, SE031, SE055
2010-11 All Temperatures . . . 0W-30, 5W-30, 0W-40, 5W-40, 5W-50 Above -4° F (-20° C) . . . 10W-30, 10W-40, 10W-50, 10W-60 Above 5° F (-15° C) . . . 15W-30, 15W-40, 15W-50 Above 23° F (-5° C) . . . 20W-40, 20W-50	
2012-14 All Temperatures . . . 0W-30, 5W-30, 0W-40, 5W-40, 5W-50 Above -4° F (-20° C) . . . 10W-30, 10W-40, 10W-50, 10W-60 Above 5° F (-15° C) . . . 15W-30, 15W-40, 15W-50 Above 23° F (-5° C) . . . 20W-40, 20W-50	
2015 C-Class, CLS-Class, E-Class, GLK-Class: All Temperatures . . . 0W-30, 5W-30, 0W-40, 5W-40, 5W-50 Above -4° F (-20° C) . . . 10W-30, 10W-40, 10W-50, 10W-60 Above 5° F (-15° C) . . . 15W-30, 15W-40, 15W-50 Above 23° F (-5° C) . . . 20W-40, 20W-50	
CAPACITY, Refill¹	Liters Qt
C63 AMG	8.5 ^{2,3} 9.0 ^{2,3}
C250	5.5 5.8
C300 2011-14	8.0 8.5
C300 2015	7.0 7.4
C300 4MATIC 2011-12	7.0 7.4
C300 4MATIC 2013-14	6.5 6.9
C300 4MATIC 2015	7.0 7.4
C350 2011	8.0 8.5
C350 2012-15	6.5 6.9
C400	6.5 6.9
CL63 AMG 2011-13	8.5 ³ 9.0 ³
CL63 AMG 2014	9.5 ³ 10.0 ³
CL65 AMG	9.0 ³ 9.5 ³
CL550 4MATIC	8.5 9.0
CL600	9.0 9.5
CLA45 AMG	5.5 ³ 5.8 ³
CLA250	5.6 5.9
CLS63 AMG 2011	8.8 ³ 9.3 ³
CLS63 AMG 2012	8.0 ³ 8.5 ³
CLS63 AMG 2013-15	8.5 ³ 9.0 ³
CLS400	6.5 6.9
CLS550 2011	8.5 9.0
CLS550 2012 ex. 4MATIC	8.5 9.0
CLS550 4MATIC	8.0 8.5
CLS550 2013-15	8.0 8.5
E63 AMG 2011	8.8 ^{2,3} 9.3 ^{2,3}
E63 AMG 2012-15	8.5 ^{2,3} 9.0 ^{2,3}
E250 Bluetec	6.5 6.9
E350 ex. 4MATIC 2011	8.0 8.5
E350 4MATIC 2011	7.0 7.4
E350 Bluetec 2011-13	8.0 8.5
E350 ex. Bluetec 2012-15	6.5 6.9
E400	6.5 6.9
E550 2011	8.5 9.0
E550 2012-15	8.0 8.5
GL63 AMG	8.5 ^{3,4} 9.0 ^{3,4}
GL350 BlueTEC 2011-12	8.5 9.0
GL350 BlueTEC 2013-14	8.0 8.5
GL450 2011-12	9.0 9.5
GL450 2013-14	8.5 9.0
GL550 2011-12	9.0 9.5
GL550 2013-14	8.5 9.0
GLK250	6.5 6.9
GLK350 201C-12	7.0 7.4
GLK350 201C-15	6.5 6.9
ML63 AMG 2011	9.7 ³ 10.3 ³
ML63 AMG 2012-14	8.5 ^{3,4} 9.0 ^{3,4}
ML350 BlueTEC 2011	8.5 9.0
ML350 BlueTEC 4MATIC 2012-14	8.0 8.5
ML350 2011	8.0 8.5
ML350 2012-14	7.0 7.4
ML450	8.0 8.5
ML550	8.5 9.0
R350 2011	8.0 8.5
2012	7.5 7.9
R350 BlueTEC	8.5 9.0
S63 AMG 2011-13	8.5 ³ 9.0 ³
S63 AMG 2014	8.5 ^{3,4} 9.0 ^{3,4}
S65 AMG	9.0 ³ 9.5 ³
S350 BlueTEC	8.0 8.5
S400	8.0 8.5
S550 2011-13	8.5 9.0
S550 2014	8.0 8.5
S600	9.0 9.5
SL63 AMG 2011-12	8.0 ³ 8.5 ³
SL63 AMG 2013-14	8.0 ^{3,4} 8.5 ^{3,4}
SL63 AMG 2013-14	9.5 ^{2,3} 10.0 ^{2,3}
SL65 AMG 2011	8.5 ³ 9.0 ³
SL65 AMG 2013-14	10.3 ^{3,4} 10.6 ^{3,4}
SL65 AMG 2013-14	11.0 ^{2,3} 11.6 ^{2,3}
SL550 2011-12	8.5 9.0
SL550 2013-14	8.5 9.0
SLK55 AMG 2011	9.5 ² 10.0 ²
SLK55 AMG 2012-14	9.5 ^{2,3} 10.0 ^{2,3}
SLK250 2012-14	5.5 5.8
SLK300, 350 2011	8.0 8.5
SLK350 2012-14	6.5 6.9

1 Includes filter. Allow 5 minutes after refilling or turning engine off before checking oil level.
2 Capacity with external oil cooler.
3 Use only SAE 0W-40 or SAE 5W-40.
4 Capacity without external oil cooler.

DIESEL EXHAUST FLUID

All	DEF
CAPACITY, Refill:	Liters Gal
E250 Bluetec: 2014	24.5 6.5
2015	25.5 6.7
E350 Bluetec	24.5 6.5
GL350 Bluetec: 2011-12	31.7 8.3
2013-14	31.2 8.2
GLK250	27.5 7.3
ML350 Bluetec: 2011	26.6 7.0
2012-14	27.5 7.3
R350 Bluetec	28.2 7.5
S350 Bluetec	25.0 6.6

TRANSMISSION/TRANSAXLE, Automatic

All w/722.6 (5-speed)	SL057
All ex. 2015 CLS400 (722.904) w/722.9 (7-speed)	SL057 ¹ , SL058 ¹
All w/722.5 (8-speed)	SL059
All w/724.0 (7-speed)	GLSA4
All w/724.2 (7-speed)	SL058

CAPACITY, Refill²

	Liters Qt
C63 AMG (722.907)	9.0 9.5
C63 AMG (722.930)	7.1 7.5
C250 (722.997)	9.0 9.5
C300 (722.999)	9.0 9.5
C300 4MATIC 2011-12 (722.964)	9.7 10.2
C300 4MATIC 2013-15 (722.96)	9.7 10.2
C350 (722.906)	9.0 9.5
C350 4MATIC 2013-15 (722.960)	9.7 10.2
C400 (722.961)	9.7 10.2
CL63 AMG (722.931)	7.1 7.5
CL65 AMG (722.649)	8.0 8.5
CL550 4MATIC (722.967)	9.7 10.2
CL600 (722.649)	8.0 8.5
CLA45 AMG (724.05)	5.5 5.8
CLA250 (724.003)	5.3 5.6
CLS63 AMG 2011-13 (722.907)	9.0 9.5
CLS63 AMG (722.930) (722.931)	7.1 7.5
CLS63 AMG 2014-15 (722.971)	7.8 8.2
CLS400 (722.904)	NS NS
CLS400 4MATIC (722.961)	9.7 10.2
CLS550 (722.904) (722.909)	9.0 9.5
CLS550 4MATIC (722.967)	9.7 10.2
E63 AMG 2011-13 (722.907) (722.93)	7.1 7.5
E63 AMG 2014-15 (722.971)	7.8 8.2
E250, E350 ex. 4MATIC (722.90)	9.0 9.5
E250, E350 4MATIC (722.96)	9.7 10.2
E400 (724.2)	9.0 9.5
E400 (722.90) 2015	9.0 9.5
E550 ex. 4MATIC (722.90)	9.0 9.5
E550 4MATIC (722.96)	9.7 10.2
GL63 AMG 722.905)	9.0 9.5
GL63 AMG (722.931)	7.1 7.5
GL350 2011-12 (722.902)	9.0 9.5
GL350 2013-14 (722.903)	9.0 9.5
GL450 2011-12 (722.904)	9.0 9.5
GL450 2013-14 (722.909)	9.0 9.5
GL550 2011-12 (722.904)	9.0 9.5
GL550 2013-14 (722.909)	9.0 9.5
GLK250 (722.965)	9.7 10.2
GLK350 4MATIC 2011-15 (722.960)	9.7 10.2
GLK350 2WD 2011-15 (722.906)	9.0 9.5
ML63 AMG 722.907) (722.905)	9.0 9.5
ML63 AMG 722.930) (722.931)	7.1 7.5
ML350 2WD (722.905)	9.0 9.5
ML350 2011 (722.902)	9.0 9.5
ML350 2012-14 (722.903)	9.0 9.5
ML450 (722.550)	12.25 12.9
ML550 2011 (722.904)	9.0 9.5
ML550 2013-14 (722.909)	9.0 9.5
R350 (722.906)	9.0 9.5
R350 Bluetec (722.902)	9.0 9.5
R350 Bluetec (722.966)	9.7 10.2
S63 AMG (722.907)	9.0 9.5
S63 AMG (722.931)	7.1 7.5
S65 AMG (722.930)	7.1 7.5
S65 AMG (722.649)	8.0 8.5
S400 (722.906)	9.0 9.5
S400 (722.950)	9.0 9.5
S550 (722.904)	9.0 9.5
S550 (722.909)	9.0 9.5
S550 4MATIC (722.967)	9.7 10.2
S600 (722.649)	8.0 8.5
SL63 AMG 2011-12 (722.930)	7.1 7.5
SL63 AMG 2013-14 (722.931)	7.1 7.5
SL65 AMG 2011-12 (722.649)	8.0 8.5
SL65 AMG 2013-14 (722.932)	7.1 7.5
SL550 2011-12 (722.904)	9.0 9.5
SLK55 AMG 2012-14 (722.909)	9.0 9.5
SLK250 2012-14 (722.997)	9.0 9.5
SLK300 (722.999)	9.0 9.5
SLK350 (722.904) (722.906)	9.0 9.5

1 Up to production date 6/18/2010 must use an approved fluid on sheet 236.14 (Recognizable on white overflow pipe and round forming on oil pan). From production date 6/21/2010 must use an approved fluid on sheet 236.15 (Recognizable on green overflow pipe and oval forming on oil pan).
2 Total capacity shown. Add less fluid when refilling.

TRANSMISSION/TRANSAXLE, Manual

C300	GLS45
CAPACITY, Refill	Liters Pt
C300 (716.6)	1.5 3.2

TRANSFER CASE

C300 4MATIC, C350 4MATIC, C400 4MATIC
CL550 4MATIC, CLA45 AMG,
CLS63 AMG, CLS550 4MATIC, CLS400
E63 AMG, E250 4MATIC, E350 4MATIC,
E400 4MATIC, E550 4MATIC,
GLK250 4MATIC, GLK350 4MATIC,
S350 4MATIC, S550 4MATIC

GL-Class, ML-Class, R350 4MATIC	SL055
CAPACITY, Refill	Liters Pt
C300 4MATIC	NS NS
C350 4MATIC	NS NS
C400 4MATIC	NS NS
CL550 4MATIC	NS NS
CLA45 AMG	NS NS
CLS63	NS NS
CLS400 4MATIC	NS NS
CLS550 4MATIC	NS NS
E63 AMG	NS NS
E250 4MATIC	NS NS
E350 4MATIC	NS NS
E400 4MATIC	NS NS
E550 4MATIC	NS NS
GL-Class: 4MATIC w/single speed	0.5 1.1
4MATIC w/double speed	1.5 3.2
GLK250 4MATIC	NS NS
GLK350 4MATIC	NS NS
ML-Class: 4MATIC w/single speed	0.5 1.05
4MATIC w/double speed	1.5 3.2
R350 4MATIC	0.5 1.05
S350 4MATIC	NS NS
S550 4MATIC	NS NS

1 4MATIC unit is lubricated as part of the automatic transmission.

DIFFERENTIAL

Front	GLS49
Rear:	
All models ex. C400 w/aluminum housing, CL-Class, CLA-Class, GL-Class, ML-Class: AMG models w/diff lock	GLS48
Ex. AMG models w/diff lock	GLS49
CL-Class	GLS49
GL-Class, ML-Class: w/o differential lock	GLS49
w/differential lock	GLS47
C400 w/aluminum housing	GLS60

CAPACITY, Refill

	Liters Pt
Front	
All models ex. GL-Class, ML-Class	0.6 1.27
2011-12 GL-Class, 2011 ML-Class	1.1 2.3
GL-Class 2013-15, ML-Class 2012-14	0.8 1.7
Rear	
All ex. C400, C63 AMG, E-Class Sedan, C63 AMG	1.2 2.5
C63 AMG w/B25/P98	1.35 2.85
C400: w/183 mm w/aluminum housing	0.8 1.7
w/187 mm ring gear	0.85 1.8
w/200 mm ring gear	1.0 2.1
w/215 mm ring gear	1.1 2.3
w/225 mm ring gear	1.3 2.7
2014 CLA45 AMG	0.74 1.56
E63 AMG w/215 mm ring gear	1.2 2.5
E-Class Sedan Rear: w/187 mm ring gear	0.85 1.8
w/200 mm ring gear	1.0 2.1
w/215 mm ring gear	1.1 2.3
2011-12 GL-Class, 2011 ML-Class: w/o differential lock	1.1 2.3
w/differential lock	1.6 3.4
GL-Class, 2011 ML-Class: w/187 mm ring gear	1.0 2.1
w/198 mm ring gear	1.1 2.3
w/200 mm ring gear	1.1 2.3
w/210 mm ring gear	1.6 3.4
w/215 mm ring gear	1.2 2.5
w/240 mm ring gear (240FE)	1.6 3.4
w/240 mm ring gear (240V)	1.9 4.0
2013-15 GL-Class, 2012-14 ML-Class: w/187 mm ring gear	1.0 2.1
w/200 mm ring gear	1.1 2.3
w/215 mm ring gear	1.2 2.5

OTHER COMPONENTS

Brake Master Cylinder	HBH
Clutch Master Cylinder	HBH
Power Steering: C-Class, CL-Class, CLK-Class, CLS-Class (ex. 2015 CLS400), E-Class, GLK250, GLK350, S-Class, SL-Class, SLK-Class	PS031
GL-Class, ML-Class	PS015
R-Class w/Belt Drive	PS015
R-Class w/Elec. Hyd.	PS031

CARS & LIGHT TRUCKS

MERCEDES-BENZ Continued • MINI • MITSUBISHI

2009-14 G550, G55 AMG,

G63 AMG

CRANKCASE

All **SEO30**

2009-10:

All Temperatures 0W-30, 5W-30, 0W-40, 5W-40, 5W-50
 Above -4° F (-20° C) 10W-30, 10W-40, 10W-50, 10W-60
 Above 5° F (-15° C) 15W-40, 15W-50
 Above 23° F (-5° C) 20W-40, 20W-50

2011-14:

All Temperatures 0W-30, 5W-30, 0W-40, 5W-40, 5W-50
 Above -4° F (-20° C) 10W-30, 10W-40, 10W-50, 10W-60
 Above 5° F (-15° C) 15W-30, 15W-40, 15W-50
 Above 23° F (-5° C) 20W-40, 20W-50

CAPACITY, Refill¹

	Liters	Qt
G55 AMG	8.5	9.0
G63 AMG	8.5 ²	9.0 ²
G550	9.0	9.5

1 Includes filter. Allow 5 minutes after refilling or turning engine off before checking oil level.
 2 Use only SAE 0W-40 or SAE 5W-40.

TRANSMISSION/TRANSAXLE, Automatic

All w/722.6 (5-Speed) **SL057**

All w/722.9 (7-Speed) **SL057¹, SL058¹**

CAPACITY, Refill²

	Liters	Qt
G55 AMG (722.6)	8.5	9.0
G63 AMG	9.0	9.5
G550 (722.9)	9.0	9.5

1 Up to production date 5/18/2010 must use an approved fluid on sheet 236.14 (Recognizable on white overflow pipe and round forming on oil pan).
 2 Total capacity shown. Add less fluid when refilling.

TRANSFER CASE

All **GLS46**

CAPACITY, Refill

	Liters	Pt
All	2.8	5.9

DIFFERENTIAL

Front: G55 AMG, G63 AMG **GLS48**

G550 **GLS44**

Rear: G55 AMG, G63 AMG **GLS48**

G550 **GLS44**

CAPACITY, Refill

	Liters	Pt
Front	1.4	2.9
Rear	1.8	3.8

OTHER COMPONENTS

Brake Fluid Reservoir **HBH**

Differential Lock Mechanism **HBH**

Power Steering Reservoir **PS015**

2010-15 SPRINTER 2500, 3500

CRANKCASE

2010 **SEO27, SEO29, SEO31**

2011 **SEO27, SEO31**

2012-15 **SEO27, SEO29, SEO31**

2011:

All Temperatures 0W-30, 5W-30, 0W-40, 5W-40, 5W-50
 Above -4° F (-20° C) 10W-30, 10W-40, 10W-50, 10W-60
 Above 5° F (-15° C) 15W-40, 15W-50
 Above 23° F (-5° C) 20W-40, 20W-50

2012-15:

All Temperatures 0W-30, 5W-30, 0W-40, 5W-40, 5W-50
 Above -4° F (-20° C) 10W-30, 10W-40, 10W-50, 10W-60
 Above 5° F (-15° C) 15W-30, 15W-40, 15W-50
 Above 23° F (-5° C) 20W-40, 20W-50

CAPACITY, Refill¹

	Liters	Qt
2.1L	11.5	12.1
3.0L	12.5	13.2

1 Includes filter. Allow 5 minutes after refilling or turning engine off before checking oil level.

DIESEL EXHAUST FLUID

All **DEF**

CAPACITY, Refill:

	Liters	Gal
2010-14: 2.1L	18.0	4.8
3.0L ¹	12.0	3.2
3.0L ²	18.5	4.9
Chassis cab	22.0	5.8
2015: 2.1L ¹	13.0	3.4
3.0L ¹	13.0	3.4

1 Models with code KP2 (DEF tank in engine compartment).
 2 Models without code KP2.

TRANSMISSION/TRANSAXLE, Automatic

All w/722.6 (5-speed) **SL057**

All w/722.9 (7-speed) **SL058**

CAPACITY, Total fill

	Liters	Qt
2010-15 w/722.6	7.1 ^{1,2}	7.5 ^{1,2}
2014-15 w/722.9	10.0 ^{1,3}	10.5 ^{1,3}

1 Refill capacity without the torque converter; 5.5L, 5.8 Qt.
 2 Refill capacity with the torque converter; 7.1L, 7.5 Qt.
 3 Refill capacity with the torque converter; 9.0L, 9.5 Qt.

DIFFERENTIAL

Rear: All **SL051, SL052**

CAPACITY, Refill

	Liters	Pt
Rear All models:		
w/741.412 rear axle	2.6	5.5
w/741.414 rear axle	2.6	5.5
w/741.415 rear axle	1.6	3.4
w/741.416	2.6	5.5
w/741.417 rear axle	2.8	5.9

OTHER COMPONENTS

Brake Fluid Reservoir **HBH**

Power Steering Reservoir **PS015**

MINI

2004-14 COOPER, COOPER S

CRANKCASE

All **SEO07**

2004-08 5W-40, 5W-30

2009-14 0W-40, 0W-30, 5W-40, 5W-30

CAPACITY, Refill¹:

	Liters	Qt
2004-08 1.6L: W10	4.5	4.8
Supercharged W11	4.8	5.1
2007-14 1.6L N12, N14, N16, N18	4.2	4.4
2014 1.5L	4.3	4.5
2014 2.0L	5.0	5.3

1 Capacity shown includes filter. After refill check oil level.

TRANSAXLE, Automatic

ECVT (Electronic Continuously

Variable Transmission) **VTF07**

6-Speed AT GA6F21WA **TIV**

6-Speed GA6F21FT **SL158**

CAPACITY, Refill:

	Liters	Qt
2004-08 ECVT	5.0	5.3
2005-14 6-Speed GA6F21WA (Total Fill)	6.0	6.3
2014 GA6F21FT (Total Fill)	5.5	5.8

TRANSAXLE, Manual

Blue Sticker **GLS56**

Yellow Sticker **GLS93**

2014 w/1.5L, 2.0L **GLS20**

CAPACITY, Refill:

	Liters	Pt
Cooper (R50) 2004-06: Up to 7/2004 Production	2.0	4.2
From 7/2004 Production	1.7	3.6
Cooper (R53) 2004-06	1.7	3.6
GS6-53 BG	1.9	4.0
GS6-54 BG	1.7	3.6
2014 w/1.5L, 2.0L	1.9	4.0

DIFFERENTIAL, Rear

w/AWD **GLS24**

CAPACITY, Refill:

	Liters	Pt
w/AWD	0.45	0.9

TRANSFER CASE

w/AWD **GLS24**

CAPACITY, Refill:

	Liters	Pt
w/AWD	NS	NS

OTHER COMPONENTS

Brake Fluid Reservoir **HB**

Clutch Fluid Reservoir **HB**

Power Steering Reservoir **PS006**

Wheel Bearings **LM**

MITSUBISHI

2012 ECLIPSE, GALANT

2014-15 MIRAGE

2004-14 ALL MODELS ex.

ENDEAVOR, MONTERO,

MONTERO SPORT, OUTLANDER,

OUTLANDER SPORT, RAIDER

CRANKCASE:

2004-05 **SL, API***

2006-13 **SM, API***

2014 **SN, API***

2014-15 Mirage **SN, API***

2004:

ex. Turbo: Above 0° F (-18° C) 10W-30

Below 100° F (38° C) 5W-30¹

w/ Turbo 10W-30

2005-07:

ex. Turbo:

Below 100° F (38° C) 5W-20¹

Above 0° F (-18° C) 10W-30

with Turbo

All temperatures 10W-30¹

2008-10 Lancer:

w/ Turbo 5W-30

w/o Turbo 5W-20

2011-14:

w/ Turbo 5W-30

w/o Turbo 0W-20

2008-12 Eclipse, Galant:

Above 100° F (38° C) 10W-30

Below 100° F (38° C) 5W-20¹

2014-15 Mirage

CAPACITY, Refill²:

	Liters	Qt
Diamante, Eclipse, Galant: ex. 2004-11 3.8L	4.3	4.5
2004-09 3.8L Galant	4.6	4.9
2006-12 3.8L Eclipse	4.3	4.5

CAPACITY, Refill²:

Lancer ex. Lancer Evolution:

Lancer Sportback, Lancer Ralliart:

2.0L: 2004-07 3.8 4.0

2008-14 4.3 4.5

2.4L: 2004-06 4.3 4.5

2009-14 4.6 4.8

Lancer Evolution 2.0L:

2004-05 5.1³ 5.4³

2006 5.3³ 5.6³

2008-14 5.6 5.9

Lancer Ralliart: 2009-14 5.1 5.4

Mirage:

1.2L 2014-15 3.0 3.2

1.5L 3.3 3.5

1.8L 3.8 4.0

Sportback:

2009-10: 2.0L 5.4 5.7

2.4L 4.8 5.1

2011: 2.0L w/Turbo 5.0 5.3

2011-14: 2.0L w/o Turbo 4.3 4.5

2.4L 4.5 4.8

1 Preferred.

2 Capacity shown includes filter. After refill, check oil level.

3 Use 10W-30 fully synthetic engine oils. Use of conventional motor oils may cause engine or turbocharger damage.

TRANSAXLE, Automatic

2008-11 Lancer **VTF08**

2008-14 Lancer Dual Clutch (TC-SST) **GLS26**

2012-14 Lancer CVT **VTF17**

2014-15 Mirage **VTF17**

All others **SL065**

CAPACITY, Refill¹:

	Liters	Qt
Diamante	8.4 ³	8.9 ³

Eclipse:

2.4L 7.7³ 8.1³

3.0L, 3.8L 8.4³ 8.9³

Galant: 2003 3.5² 3.7²

2004-12:

2.4L 7.7³ 8.1³

3.8L 8.4³ 8.9³

Lancer:

2004-07 7.7³ 8.1³

2008-11 7.6³ 8.2³

2008-14 Dual Clutch (TC-SST) 7.6³ 8.0³

2012-14 CVT 7.1³ 7.5³

Mirage 2014-15 2.5 2.6

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK or NEUTRAL and add fluid as needed.

2 Initial refill capacity when transmission is drained BOTH

CARS & LIGHT TRUCKS

MITSUBISHI Continued • NISSAN

2012-14 Lancer ex. Evolution:		
2.0L		GLS27
2.4L		80 GL-5
CAPACITY, Refill:	Liters	Pt
2008-13 Lancer Evolution	0.6	1.3
2014 Lancer Evolution:		
Differential Mechanism	0.55	1.2
Torque Transfer Mechanism	0.6	1.3
2009-11 Lancer ex. Evolution	0.6	1.3
2012 Lancer ex. Evolution, Ralliart:		
2.0L	0.6	1.3
2.4L	0.5	1.1
2013-14 Lancer ex. Evolution, Ralliart	0.4	0.85
2013-14 Lancer Ralliart: 2.0L	0.55	1.2
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir		PS016
2004-09 MONTERO, MONTERO SPORT, OUTLANDER, ENDEAVOR, RAIDER		
2010-11 ENDEAVOR		
2010-15 OUTLANDER		
2011-15 OUTLANDER SPORT		
CRANKCASE		
2010-12		SM, API*
2013-15		SN, API*
2004:		
Above 0°F (-18°C)		.10W-30
Below 100°F (38°C)		.5W-30 ¹
2005-09 ex. Raider		
Above 0°F (-18°C)		.10W-30
Below 100°F (38°C)		.5W-20 ¹
2005-09 Raider: All temperatures		.5W-30
2008-10 Endeavor, Outlander: All temperatures		.5W-20
2011 Endeavor: All temperatures		.5W-20
2011-13 Outlander		
2.4L, Sport 2.0L: All temperatures		.0W-20
3.0L: All temperatures		.5W-20
2014-15 Outlander, Outlander Sport ³		
2.0L, 2.4L, 3.0L		.0W-20
CAPACITY, Refill:²	Liters	Qt
2.0L:		
2011-13	4.3	4.5
2014-15 Outlander Sport: w/Manual w/CVT	4.3	4.5
4.6	4.8	
2.4L:		
2004-06	4.3	4.6
2008-11	4.6	4.9
2012-15	4.6	4.8
3.0L:		
Montero	4.9	5.2
Montero Sport	4.5	4.8
Outlander	4.3	4.5
3.5L:		
Montero	4.9	5.2
Montero Sport	4.6	4.9
3.7L:		
Raider	4.7	5.0
3.8L:		
Endeavor	4.3	4.6
Montero	4.9	5.2
4.7L:		
Raider	5.6	6.0
¹ Preferred.		
² Capacity shown is with filter. After refill, check oil level.		
³ For 2015, Synthetic Oil is recommended.		
TRANSMISSION, Automatic		
2004-06 All ex. Raider		SL065
2006-09 Raider		AP4
2007-11 Endeavor		SL065
Outlander ex. CVT:		
2007-10		SL024
2011-15		SL108
w/CVT:		
2007-11		VTF08
2012-15 Outlander, Outlander Sport		VTF17
CAPACITY, Initial Refill:¹	Liters	Qt
Endeavor:		
FWD	8.4 ²	8.9 ²
AWD	8.8 ²	9.3 ²
Montero:		
2004-05	9.3 ²	9.8 ²
2006	9.7 ²	10.2 ²
Montero Sport	9.3 ²	9.8 ²
Outlander:		
ex. CVT:		
2003-06		
FWD	7.7 ²	8.1 ²
AWD	8.1 ²	8.6 ²
2007	8.0 ²	8.5 ²
2008-15	8.2 ²	8.7 ²

CAPACITY, Initial Refill:¹	Liters	Qt
w/CVT:		
ex. Outlander Sport:		
2008-09	7.8 ²	8.2 ²
2010-15	7.1 ²	7.5 ²
Outlander Sport: 2015	6.9	7.3
Raider:		
42RLE	3.8 ³	4.0 ³
545RFE 2WD	5.2 ³	5.5 ³
545RFE 4WD	6.2 ³	6.6 ³
¹ With the engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL, and add fluid as needed.		
² Total capacity. When refilling, add ATF until fluid level is at cold mark on dipstick. Start engine & allow transmission/transaxle to reach operating temperature, and then refer to Note 1.		
³ Service fill capacity. When refilling, add ATF until fluid level is at cold mark on dipstick. Start engine & allow transmission/transaxle to reach operating temperature, and then refer to Note 1.		
TRANSMISSION, Manual		
All ex. Outlander Sport, Raider		
All temperatures	.75W-90, 75W-85	GL-4
2011-15 Outlander Sport	.75W-80	GL-3
Raider		AP4
CAPACITY, Refill:	Liters	Pt
Montero Sport:		
V5MT1 trans.	2.5	5.3
Outlander: FWD	2.2	4.7
AWD	2.3	4.9
Outlander Sport 2011-15	2.5	5.3
Raider G238 trans	2.2	4.7
TRANSFER CASE		
2004-10	.90	GL-5
2011 Endeavor	.90	GL-5
2011-15 Outlander	.80	GL-5
2011-15 Outlander Sport	.80	GL-5
Raider		AP4
All Others		GL-4
All Temperatures	.75W-90, 75W-85	
CAPACITY, Refill:	Liters	Pt
Endeavor	0.6	1.2
Montero 2004-06	2.8	6.0
Montero Sport 2004	2.5	5.3
Outlander	0.5	1.1
Outlander Sport: up to 10/2011 from 11/2011	0.57	1.14
0.5	1.1	
Raider:		
NV233	1.2	2.5
NV244	1.4	2.9
DIFFERENTIALS		
All ex. Raider		
Limited-Slip		GL-5*
Standard		GL-5
Above -10°F (-23°C)	.90, 85W-90, 80W-90	
-30° to -10°F (-34° to -23°C)	.80W, 80W-90	
Below -30°F (-34°C)	.75W	
2007-15 Outlander, Outlander Sport:		
All temperatures	.80	
Raider:		
Front		GL-5
All temperatures	.75W-90	
Rear		GL-5
All temperatures	.75W-140	
CAPACITY, Refill:	Liters	Pt
Front:		
Montero 2004-06	1.2	2.6
Montero Sport 2004	0.9	1.9
Raider	1.7	3.6
Rear:		
Endeavor	1.1	2.3
Outlander, Outlander Sport:		
2010-12	0.5	1.1
2013-15	0.4	0.85
Montero 2004-06	1.6	3.4
Montero Sport:		
2.4L	1.5	3.2
3.0L	2.6	5.5
3.5L	3.2	6.8
Raider:		
8 1/4" axle	2.0 ¹	4.4 ¹
9 1/4" axle	2.1 ¹	4.5 ¹
¹ For limited slip, add 4 oz 1 limited Slip Additive MS-10111		
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir:		
2004-13:		
All ex. Raider		PS016
Raider		AP4
Suspension & Steering Linkage, Propeller Shaft, Wheel Bearings		LM

NISSAN

2004-09 ALL MODELS ex. 370Z, ARMADA, CUBE, FRONTIER, MURANO, PATHFINDER, TITAN, XTERRA

CRANKCASE

All ex. Altima Hybrid:
All temperatures .5W-30¹

Altima Hybrid:
2007-09 all temperatures .0W-20³

CAPACITY, Refill:²

350Z
2004-06 4.7 5.0
2007-09 4.9 5.2

Altima:
2.5L 2004-06 4.2 4.4
3.5L 2004-06 4.2 4.4
2007-09 4.6 4.9

Maxima:
2004-08 4.2 4.4
2009 4.6 4.9

Quest:
2004-08 4.0 4.2
2009 4.2 4.4

Sentra:
1.8L 2.7 2.9
2.0L 2007-08 3.9 4.1
2.5L: 2004-06 4.0 4.2
2007-09 4.3 4.5

Versa:
2007-08 3.9 4.1
2009 4.1 4.3

¹ Preferred.

² Capacity shown is with filter. After refill, check oil level.

³ In warm and hot climates 5W-20, or 5W-30 may be used if 0W-20 is not available.

TRANSMISSION/TRANSAXLE, Automatic

350Z SL081

Altima:
2004 SL080

2005-06:
w/4-cyl SL080
w/6-cyl SL082

2007-09 w/CVT ex. Hybrid VTF11

2007-09 Hybrid VTF10

Maxima:
2004-08:
w/4-speed SL080
w/5-speed SL082

2007-09 CVT VTF11

Quest:
2004-06:
w/4-speed SL080

2004-09 w/5-speed SL082

Sentra:
2004-06 SL080
2007-09 CVT VTF11

Versa
Automatic SL080
w/CVT VTF11

CAPACITY Refill:¹

350Z 2004-08 10.3 10.9

Altima:
2004 9.2 9.7

2005-06:
w/4-cyl 9.2 9.7
w/6-cyl 7.3 7.7

2007-09 CVT ex. Hybrid:
2.5L 8.3 8.8
3.5L 10.2 10.8
2007-09 Hybrid 4.1 4.3

Maxima:
2004:
4-speed 8.9 9.4
5-speed 7.3 7.7

2005-06 7.3 7.7
2007-08 CVT 10.0 10.6
2009 CVT 10.2 10.8

Quest:
2004-07:
w/4-speed 8.9 9.4
w/5-speed 7.3 7.7

2008-09 7.4 7.8

Sentra:
2004-06
1.8L, 2.0L 7.0 7.4
2.5L 8.5 9.0

CVT:
2007-08 8.3 8.8
2009:
2.0L 7.3 7.7
2.5L 7.5 7.9

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CAPACITY Refill ¹ :	Liters	Qt
Versa:		
RE4F038B	7.9	8.3
CVT:		
2007-08	8.3	8.8
2009:		
RE0F08A	8.3	8.8
RE0F08B	7.4	7.8
1 Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of new fluid. Start engine & allow transmission to reach operating temperature. With service & parking brake applied, move gear shift through all gear positions ending with park. Check fluid level with dipstick.		
TRANSMISSION/TRANSAXLE, Manual		
350Z		GL-4
All temperatures:		
2004-09	.75W-85, 75W-90	
Altima, Maxima		GL-4
All temperatures:		
2004-09	.75W-85	
Sentra		GL-4
All temperatures:		
2004-06:		
w/1.8L	.75W-90, 80W-90	
w/2.5L	.75W-85	
2007-09:		
w/2.0L	.75W-80	
w/2.5L	.75W-85	
Versa		GL-4
2007-08	.75W-80	
2009: 5-Speed	.75W-85	
6-speed	.75W-90	
CAPACITY, Refill:		
350Z 2004-08	2.9	6.1
Altima:		
2004	2.3	4.8
2005-06	2.2	4.6
2007-09	1.7	3.6
Maxima:		
2004	2.3	4.9
2005-07	2.2	4.6
Sentra:		
2004-06: 1.8L	3.0	6.3
2.0L 2007-09	2.0	4.2
2.5L:		
2004-08	2.3	4.8
2009	1.7	3.6
2007-08	2.0	4.2
Versa: 2007-08	2.0	4.2
2009:		
5-speed	2.6	5.5
6-speed	2.0	4.2
DIFFERENTIAL GL-5		
All temperatures		.80W-90
Temperatures above 32°F (0°C)		.90
CAPACITY, Refill:		
350Z	1.4	2.9
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir:		
2004-07		AF3
2008-09		AF6
2004-09 ARMADA, FRONTIER, MURANO, PATHFINDER, TITAN, XTERRA		
CRANKCASE API*		
All temperatures		.5W-30 ¹
CAPACITY, Refill²:		
Armada:		
2005-08	6.2	6.6
2009	6.5	6.9
Frontier, Xterra		
2.4L:		
2004	3.5	3.7
2.5L:		
2005-08	4.9	5.2
2009	4.6	4.9
3.3L	3.3	3.5
4.0L	5.1	5.4
Murano:		
2004-08	4.0	4.2
2009	4.9	5.2
Pathfinder:		
3.3L	3.7	3.9
3.5L	5.0	5.3
4.0L	5.1	5.4
5.6L:		
2008	6.2	6.6
2009	6.5	6.9
Titan:		
2004-08	6.2	6.6
2009	6.5	6.9
1 Preferred		
2 Capacity shown includes filter. After refill, check oil level.		

TRANSMISSION, Automatic	VTF11	SL081	SL083	SL080	SL083
Murano					
Titan: 2004-08					
2009					
All Others ex. Murano, Titan:					
2004					
2005-09					
CAPACITY, Total Fill¹:					
Armada	10.6	11.2			
Frontier, Xterra:					
2004:					
2.4L	7.9	8.3			
3.3L:					
2WD	8.3	8.8			
4WD	8.5	9.0			
2005-09	10.3	10.9			
Murano CVT	10.2	10.8			
Pathfinder:					
2004:					
2WD	8.5	9.0			
4WD	8.5	9.0			
2005-07	10.3	11.0			
2008-09:					
4.0L	10.3	10.9			
5.6L	10.6	11.2			
Titan	10.6	11.2			
1 Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of new fluid. Start engine & allow transmission to reach operating temperature. With service & parking brake applied, move gear shift through all gear positions ending with park. Check fluid level with dipstick.					
TRANSMISSION, Manual					
All Models: 2004-09			GL-4		
All temperatures, 2004-09			.75W-85		
CAPACITY, Refill:					
Armada, Pathfinder:					
2004-05	5.1	10.8			
Frontier, Xterra:					
2004	2.0	4.2			
2005-09:					
Frontier:					
5-Speed	2.9	6.1			
6-Speed:					
2WD	4.0	8.5			
4WD	4.2	8.8			
Xterra:					
2WD	4.0	8.5			
4WD	4.2	8.8			
TRANSFER CASE					
All ex. Murano			AF3¹		
Murano			GL-5		
All temperatures			.80W-90		
CAPACITY, Refill:					
Armada	3.0	6.3			
Frontier, Pathfinder, Xterra:					
Part Time:					
2004	2.2	4.6			
2005-09	2.0	4.2			
All Mode	3.0	6.3			
Murano	0.3	0.6			
Titan	2.0	4.2			
1 Continental USA & Alaska, use NissanMatic D. Canada use Nissan ATF. Dexron III®/Mercon® may be used as alternative.					
DIFFERENTIAL					
Limited-Slip			GL-5*		
All temperatures			.80W-90		
Above 0°F (-18°C)			.90 may be used		
Standard:					
2004-09 Murano	.80W-90 ^{1,2}	GL-5			
2004-09 All ex. Armada, Murano		GL-5			
Front		.80W-90 ^{1,2}			
Rear:					
Frontier, Xterra:					
C200 axle		Synthetic 75W-90			
M226 axle		Synthetic 75W-140			
Pathfinder:					
2004		.80W-90 ^{1,2}			
2005-09		Synthetic 75W-90			
2005-09 Armada		GL-5			
Front		.80W-90 ^{1,2}			
Rear		Synthetic 75W-90			
CAPACITY, Refill:					
Armada:					
Front	1.6	3.3			
Rear	1.8	3.8			
Frontier:					
2004 R200A	1.8	3.7			
2005-09	0.9	1.8			
Xterra:					
2004	1.8	3.7			
2005-09	0.9	1.8			
Rear:					
Frontier:					
2004 C200	1.3	2.7			
2004 H233B	2.8	5.9			
2005-09 C200	1.6	3.4			
2005-09 M226	2.0	4.2			

CAPACITY, Refill:	Liters	Pt
Xterra:		
2004:		
C200	1.3	2.7
H233B	2.8	5.9
2005-09:		
C200	1.6	3.4
M226	2.0	4.2
Murano	0.6	1.3
Pathfinder:		
2004		
Front	1.8	3.8
Rear	2.8	5.9
2005-07		
Front	0.8	1.7
Rear	1.4	3.0
2008-09:		
Front:		
4.0L	0.85	1.7
5.6L	1.6	3.4
Rear:		
4.0L	1.4	3.0
5.6L	1.75	3.7
Titan:		
Front	1.6	3.4
Rear	2.0	4.2
1 Preferred.		
2 For hot climates, SAE 90 is suitable for temperatures above 32°F (0°C).		
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Clutch Fluid Reservoir		HB
Power Steering Reservoir:		
2004-07		AF3
2008-09		AF6
2009-15 GT-R CRANKCASE		
All		SN
All temperatures		Synthetic 0W-40 ¹
CAPACITY, Refill²:		
2009-11 3.8L	5.5	5.6
2012-15 3.8L	5.0	5.3
1 Mobil1 synthetic 0W-40 is the only oil recommended by Nissan. If Mobil1 0W-40 is not available, Mobil1 synthetic 10W-40 may be used, but a loss of performance may be noticed.		
2 Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION, Manual		
All		SL085
CAPACITY, Total Fill:		
2009-11	9.7	20.5
2012-15	9.4	19.3
DIFFERENTIAL		
2009-12		GLS23
2013-15		SL151
CAPACITY, Refill:		
2009-11: Front	0.65	1.4
Rear	1.55	3.3
2012-15: Front	0.65	1.4
Rear	1.35	2.9
OTHER COMPONENTS		
Brake Fluid Reservoir:		
2009		HBH¹
2010-15		HBH²
Power Steering Reservoir		AF6
1 Use Nissan brake fluid R35 special DOT4 to ensure best performance and proper operation.		
2 Use only Genuine Nissan Brake Fluid R35 Special II.		
2011-15 QUEST CRANKCASE		
2011-12		SM, API*
2013-15		SN, API*
2011-14 all temperatures		.5W-30 ¹
2015 all temperatures		.0W-20
CAPACITY, Refill:		
All	4.6	4.8
1 Nissan recommends Nissan Ester Oil for 3.5L		
TRANSMISSION/TRANSAXLE		
2011-14		VTF11
2015		VTF12
CAPACITY, Refill:		
2011-14	9.7	10.2
2015	8.2	8.5
OTHER COMPONENTS		
Brake Fluid Reservoir		HB
Power Steering Reservoir		PS024
2008-15 ROGUE 2014 ROGUE SELECT CRANKCASE		
2008-12		SM, API*
2013-15		SN, API*
Rogue all temperatures: 2008-13		.5W-30
2014-15		.0W-20
Rogue Select all temperatures		.5W-30

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CAPACITY, Refill ¹ :	Liters	Qt
2.5L	4.6	4.9
Rogue Select	4.8	5.1
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
Rogue: 2008-13	VTF11	
2014-15	VTF12	
CAPACITY, Total Fill ¹ :	Liters	Qt
2008:		
2WD: w/fluid cooler	8.5	9.0
w/o fluid cooler	8.3	8.8
AWD: w/fluid cooler	9.5	10.0
w/o fluid cooler	9.3	9.8
2009:		
2WD: w/fluid cooler	7.5	7.9
w/o fluid cooler	7.3	7.7
AWC: w/fluid cooler	8.6	9.1
w/o fluid cooler	8.4	8.9
2010-13:		
2WD: w/fluid cooler	7.5	7.9
w/o fluid cooler	7.3	7.7
AWD: w/fluid cooler	8.5	9.0
w/o fluid cooler	8.3	8.8
2014-15		
Rogue Select 2WD	7.3	7.8
4WD	8.3	8.8
TRANSFER CASE		
All	.80W-90	GL-5
CAPACITY, Refill:	Liters	Pt
2008-13	0.38	0.8
2014-15	0.3	0.6
DIFFERENTIAL		
All	.80W-90 ¹	GL-5
CAPACITY, Refill:	Liters	Pt
All	0.55	1.2
¹ For ambient temperatures above 32°F (0°C), 90 is suitable.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
2010-15 ALTIMA		
CRANKCASE		
2010-12	SM, API*	
2013-15	SN, API*	
2007-11 Hybrid	.0W-20 ³	
All temperatures, 2010-12 ex. Hybrid	.5W-30 ¹	
2013: 2.5L Ccupe	.5W-30	
2.5L Sedan	.0W-20	
3.5L	.5W-30 ¹	
2014-15: 2.5L	.0W-20	
3.5L	.5W-30	
CAPACITY, Refill ² :	Liters	Qt
2.5L	4.6	4.9
3.5L	4.8	5.1
¹ Nissan recommends Genuine Nissan Ester Engine Oil or equivalent for 3.5L.		
² Capacity shown is with filter. After refill, check oil level.		
³ In warm and hot climates, 5W-20 or 5W-30 may be used if 0W-20 is not available.		
TRANSMISSION/TRANSAXLE, Automatic		
2010-12: Altima	VTF11	
Altima Hybrid	VTF10	
2013: Coupe	VTF11	
Sedan	VTF12	
2014-15	VTF12	
CAPACITY, Total Fill ¹ :	Liters	Qt
2010-12:		
All ex. Hybrid: 2.5L	7.3 ¹	7.7 ¹
3.5L	10.2 ¹	10.8 ¹
Hybrid	4.1	4.3
2013:		
Coupe	7.3	7.7
Sedan: RECF10D	7.4	7.8
RECF10E	8.2	8.6
2014: RECF1CD	7.4	7.8
RECF10E	8.2	8.6
2015: RECF1CD	7.4	7.8
RECF10H	8.2	8.6
¹ Using transmission fluid other than Genuine NISSAN CVT Fluid NS-2 will damage the CVT transmission.		
Manual		
All	GL-4	
All temperatures	.75W-85	
CAPACITY, Refill:	Liters	Pt
All	1.7	3.6
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
Power Steering Reservoir: 2010-12	AF6	
2013 Coupe	AF6	
2013-15 Sedan	PS024	
2010-15 ARMADA, 2010-14 TITAN		
CRANKCASE		
2004-12	SM, API*	
2013-15	SN, API*	
All temperatures	.5W-30	

CAPACITY, Refill ¹ :	Liters	Qt
2004-14	6.5	6.9
2015 Armada	7.0	7.4
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
All	SL083	
CAPACITY, Total Fill ¹ :	Liters	Qt
All	10.6	11.2
¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.		
TRANSFER CASE		
All	SL080	
CAPACITY, Refill:	Liters	Pt
Armada	3.0	6.3
Titan	2.0	4.2
DIFFERENTIAL		
Armada:		
Front	.80W-90 ^{1,2}	GL-5
Rear	Synthetic 75W-90	GL-5
Titan:		
Front	.80W-90 ^{1,2}	GL-5
Rear	Synthetic 75W-140	GL-5
CAPACITY, Refill:	Liters	Pt
Armada:		
Front	1.6	3.4
Rear	1.75	3.7
Titan:		
Front	1.6	3.4
Rear	2.0	4.2
¹ Preferred.		
² For ambient temperatures above 32°F (0°C), 90 is suitable.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	AF6	
2009-14 CUBE		
2010-15 VERSA, VERSA NOTE		
CRANKCASE		
All	SN, API*	
All temperatures	.5W-30	
CAPACITY, Refill ¹ :	Liters	Qt
1.6L: 2007-12	3.0	3.2
2013-14	3.5	3.7
2015 Versa	3.5	3.7
2015 Versa Note	3.2	3.4
1.8L	4.1	4.3
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
Cube: 2009-14	VTF11	
Versa, Versa Note:		
Non CVT	SL083	
CVT: 2010-13	VTF11	
2014-15	VTF12	
CAPACITY, Total Fill ¹ :	Liters	Qt
Cube	7.4	7.8
Versa:		
Non CVT:		
2010-11: w/1.6L	7.7	8.1
w/1.8L	7.9	8.3
2012	7.9	8.3
2013-15	5.2	5.5
CVT:		
2010 REOF08B	7.4	7.8
2011 REOF08B	6.9	7.3
2012-15 REOF1* A	6.9	7.3
¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.		
TRANSMISSION/TRANSAXLE, Manual		
2009-14 5-speed	.75W-85 GL-4	
2009-11 Cube 6-speed	GLS85	
2012-13 Cube 6-speed	.75W-80 GL-4	
2014 Cube	GLS82	
2009-10 Versa: 6-speed	GLS85	
2011 Versa 6-speed	.75W-80 GL-4	
2012-15 Versa 6-speed	GLS87	
2014-15 Versa Note	GLS87	
CAPACITY, Refill:	Liters	Pt
2009-11: 5-speed	2.6	5.5
6-speed	2.0	4.2
2012-15: 5 speed	2.7	5.7
6 speed	2.0	4.2
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
2010-15 FRONTIER, XTERRA		
CRANKCASE		
All	API*	
All temperatures	.5W-30 ¹	
CAPACITY, Refill ² :	Liters	Qt
2.5L	4.6	4.9
4.0L	5.1	5.4
¹ Preferred.		
² Capacity shown is with filter. After refill, check oil level.		

TRANSMISSION/TRANSAXLE, Automatic		
All	SL083	
CAPACITY, Total Fill ¹ :	Liters	Qt
2010-15	10.3	10.9
¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.		
TRANSMISSION/TRANSAXLE, Manual		
2010-14	GL-4	
2015	GLS87	
All temperatures	.75W-85	
CAPACITY, Refill:	Liters	Pt
2010-15: Frontier 5-speed	2.9	6.1
2WD 6-speed	4.0	8.5
4WD 6-speed	4.2	8.9
TRANSFER CASE		
All	SL080	
CAPACITY, Refill:	Liters	Pt
2010-15	2.0	4.2
DIFFERENTIAL		
All	GL-5	
Front	.80W-90 ²	
Rear: C200 Axle	Synthetic 75W-90	
M226 Axle	Synthetic 75W-140 ¹	
¹ Used on Frontier M226 Axle.		
² For ambient temperatures above 32°F (0°C), 90 is suitable.		
CAPACITY, Refill:	Liters	Pt
Front	0.9	1.8
Rear: C200	1.6	3.4
M226	2.0	4.2
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
Power Steering Reservoir	AF6	
2010-14 MAXIMA		
CRANKCASE		
2010-12	SM, API*	
2013-14	SN, API*	
2010-14 All temperatures	.5W-30	
CAPACITY, Refill ¹ :	Liters	Qt
2010	4.6	4.9
2011-14	4.8	5.1
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
All	VTF11	
CAPACITY, Total fill ¹ :	Liters	Qt
2010-14	10.2	10.8
¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	AF6	
2010-15 MURANO		
CRANKCASE		
2010-12	SM, API*	
2013-15	SN, API*	
All temperatures	.5W-30	
CAPACITY, Refill ¹ :	Liters	Qt
All	4.6	4.8
¹ Capacity shown is with filter. After refill, check oil level.		
TRANSMISSION/TRANSAXLE, Automatic		
2010-12	VTF11	
2013-15	VTF12	
CAPACITY, Total fill ¹ :	Liters	Qt
All	10.2	10.7
¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.		
TRANSFER CASE		
All	GL-5	
All temperatures	.80W-90	
CAPACITY, Refill:	Liters	Pt
All	0.3	0.6
DIFFERENTIAL		
All	GL-5	
All temperatures	.80W-90 ^{1,2}	
CAPACITY, Refill:	Liters	Pt
All	0.6	1.1
¹ Preferred.		
² For ambient temperatures above 32°F (0°C), 90 is suitable.		
OTHER COMPONENTS		
Brake Fluid Reservoir	HB	
Power Steering Reservoir	AF6	
2009-15 370Z		
CRANKCASE		
2009-12	SM, API*	
2013-15	SN, API*	
All temperatures	.5W-30 ¹	
CAPACITY, Refill ² :	Liters	Qt
All	4.9	5.2
¹ Nissan recommends Genuine Nissan Ester Engine Oil or equivalent.		
² Capacity shown is with filter. After refill, check oil level.		

CARS & LIGHT TRUCKS

NISSAN Continued • OLDSMOBILE • PONTIAC

TRANSMISSION/TRANSAXLE, Automatic

All	SL083	
CAPACITY, Total fill¹:	Liters	Qt
All	9.2	9.7

¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.

TRANSMISSION/TRANSAXLE, Manual

2009-10	GL-4	
2011-15	GLSA7	
2009-10	.75W-85, 75W-90	
2011-15	.75W-85	
CAPACITY, Refill²:	Liters	Pt
All	2.8	6.0

DIFFERENTIAL

All	GL-5	
2009-10	.80W-90 ^{1,2}	
2011-15: w/Manual Trans	.80W-90 ²	
w/Auto Trans	Synthetic 75W-90	
CAPACITY, Refill²:	Liters	Pt
All	1.4	3.0

¹ Preferred.
² For ambient temperatures above 32°F (0°C), 90 is suitable.

OTHER COMPONENTS

Brake Fluid Reservoir:	
Ex. Nismo	HB
Nismo	HBH
Clutch Fluid Reservoir	HB
Power Steering Reservoir	AF6

2010-15 PATHFINDER

CRANKCASE		
2010-12	SM, API*	
2013-15	SN, API*	
All temperatures	.5W-30	
CAPACITY, Refill¹:	Liters	Qt
3.5L	4.8 ²	5.0 ²
4.0L	5.1	5.4
5.6L	6.5	6.9

¹ Capacity shown is with filter. After refill, check oil level.
² Nissan recommends Ester Oil for the 3.5L.

TRANSMISSION/TRANSAXLE, Automatic

2010-12	SL083	
2013-15	VTF12	
CAPACITY, Total fill¹:	Liters	Qt
3.5L: REOF10E, REOF10	8.8	9.3
REOF02H	5.9	6.3
4.0L	10.3	10.9
5.6L	10.6	11.2

¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.

TRANSFER CASE

2010-12	SL080	
2013-15	GL-5	
CAPACITY, Refill²:	Liters	Pt
2010-12: Part Time	2.0	4.2
All Mode	3.0	6.3
2013-15	0.31	0.6

DIFFERENTIAL

Front 2010-12	.80W-90 ^{1,2}	GL-5
Rear: 2010-12	Synthetic 75W-90	GL-5
2013-15	Semi-Synthetic 75W-90	GL-5

CAPACITY, Refill²:	Liters	Pt
Front:		
4.0L	0.85	1.7
5.6L	1.6	3.4
Rear:		
3.5L	0.5	1.0
4.0L	1.4	3.0
5.6L	1.75	3.7

¹ Preferred.
² For ambient temperatures above 32°F (0°C), 90 is suitable.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Power Steering Reservoir:	
2010-12	AF6
2013-15	PS024

2010-14 SENTRA

CRANKCASE		
2010-12	SM, API*	
2013	SN, API*	
2010-12, All temperatures	.5W-30 ¹	
2013-14, All temperatures	.0W-20	
CAPACITY, Refill²:	Liters	Qt
1.8L	4.0	4.2
2.0L	3.9	4.1
2.5L	4.3	4.5

¹ Preferred.
² Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

CVT: 2010-12	VTF11	
2013-14	VTF12	
CAPACITY, Total fill¹:	Liters	Qt
1.8L	6.9	7.3
2.0L	7.3	7.7
2.5L	7.5	7.9

¹ Total (dry) fill shown. When refilling, measure amount drained & refill with equal amount of correct fluid. Start engine & allow transmission to reach operating temperature prior to checking fluid level.

Manual		
2010-12 2.0L	GLS85	
2010-12 2.5L	.75W-85	GL-4
2013-14	GLS82	
CAPACITY, Refill²:	Liters	Pt
1.8L	2.0	4.2
2.0L	2.0	4.2 ¹
2.5L	1.7	3.6

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB

2011-15 JUKE

CRANKCASE		
2011-12	SM, API*	
2013-15	SN, API*	
All temperatures:		
2011-14	.5W-30	
2015 Nismo RS	.5W-30	
2015 ex. Nismo RS	.0W-30	

CAPACITY, Refill¹:	Liters	Qt
1.6L 2011-14	4.5	4.7
2015 Nismo RS	4.3	4.5
2015 ex. Nismo RS	4.5	4.7

¹ Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

2011-14	VTF11	
2015 ex. Nismo RS	VTF12	
2015 Nismo RS	VTF11	
CAPACITY, Initial Refill¹:	Liters	Qt
2WD	8.2 ²	8.6 ²
AWD	8.6 ²	9.1 ²
2015: REOF10B	8.6 ²	9.1 ²
REOF10D	7.9 ²	8.4 ²

¹ With engine at operating temperature, shift transmission through all gears. Check fluid level in NEUTRAL and add fluid as needed.
² Total capacity. When refilling, add ATF until fluid level is at cold mark on dipstick. Start engine and allow trans to reach operating temperature, then refer to Note 1.

TRANSMISSION/TRANSAXLE, Manual

2011-13	.75W-80	GL-4
2014	GLS82	
2015 ex. Nismo RS	GLS82	
2015 Nismo RS	GLS87	
CAPACITY, Refill²:	Liters	Pt
2011-13	2.0	4.2
2014-15: RS6F94R	2.0	4.2
RS6F52H	1.9	4.0

TRANSFER CASE

All	.80W-90	GL-5
CAPACITY, Refill²:	Liters	Pt
All	0.4	0.8

DIFFERENTIAL

All	.80W-90	GL-5¹
CAPACITY, Refill²:	Liters	Pt
All	0.4	0.8

¹ 2012-15, for ambient temperatures above 32°F (0°C), 90 is suitable.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB

2011-15 NISSAN LEAF

2013-15 NISSAN NV 200

2012-14 NISSAN NV 1500-3500

CRANKCASE		
2012	SM, API*	
2013-15	SN, API*	
All Temperature	.5W-30	
Capacity, Refill¹:	Liters	Qt
4.0L	5.1	5.4
5.6L	6.5	6.9
NV200: 2013-14	5.1	5.4
2015	4.4	4.6

¹ Capacity shown is with filter. After refill, check oil level.

TRANSMISSION, Automatic

RE5R05A, 5-speed	SL083	
NV200 REOF10D, REOF10A	VTF12	
Capacity, Total fill¹:	Liters	Qt
NV 200: 2013-14	8.2	8.6
2015	7.7	8.1
NV 1500-3500	10.6	11.2

¹ The A/T fluid level can be checked with fluid temperatures of 30° to 50°C (86° to 122°F) using the "COLD" range on the A/T fluid level gauge as follows: Park the vehicle on a level surface and set the parking brake. Start the engine and move the shift selector through each gear position. Then move the shift selector into the "P" position. Check the A/T fluid level with the engine idling.

REDUCTION GEAR

RE1F61B		
All	SL083	
Capacity, Total Fill:	Liters	Pt
2011-12	1.1	1.2
2013-15	1.4	1.5

DIFFERENTIAL

All	Synthetic 75W-90		GL-5
Capacity, Refill:	Liters	Pt	
All	2.6	5.5	

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Power Steering Reservoir	PS042

OLDSMOBILE

BRAVADA, SILHOUETTE—SEE CHEVROLET & GMC TRUCKS

2004

CRANKCASE		
All	SE023	
All temperatures	.5W-30 ^{1,3}	
CAPACITY, Refill²:	Liters	Qt
2.2L	4.8	5.0
3.4L	4.3	4.5

¹ Preferred.
² Capacity shown is with filter. Recheck oil level after filling.
³ Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil SE023.

TRANSAXLE, Automatic:

All	AF6	
CAPACITY, Initial Refill¹:	Liters	Qt
4T40E, 4T45E ²	6.5	6.9

¹ With engine at operating temperature, shift transmission through all gears. Let engine slow idle in PAFK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.
² Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.

TRANSAXLE, Manual

All	GLS37	
CAPACITY, Refill:	Liters	Pt
All	1.7	3.6

OTHER COMPONENTS

Brake Master Cylinder	HB
Clutch Fluid Reservoir	HB
Power Steering	PS004
Suspension & Steering Linkage, Parking Brake Cable Guides, Shift Linkage, Clutch Cross Shaft	LB

PONTIAC

AZTEK, MONTANA, MONTANA SV6, TORRENT, TRANS SPORT—SEE CHEVROLET & GMC TRUCKS

2004-10

CRANKCASE		
2004-10 ex. 2005-06 GTC,	SE023	
2007-09 Solstice	SE023	
2005-06 GTO, 2007-09 Solstice	SE022	
3.4L Code X, 3.8L:		
Above 0°F (-18°C)	.10W-30 ¹	
Below 60°F (16°C)	.5W-30	
All temperatures 2004-06 GTO	.5W-30 ³	
All temperatures 2007-09		
Solstice 2.0L	.5W-30 ⁴	
Vibe: 2004-08	.5W-30 ^{1,3}	
2009-10	.5W-20 ^{1,5}	

Others:
Above 0°F (-18°C) 2004 .10W-30
All temperatures 2004-10 .5W-30^{1,3}

CAPACITY, Refill²:	Liters	Qt
1.6L	4.5	4.8
1.8L:		
2004-06 Code 8	3.7	3.9
2007-10 Code 8	4.2	4.4
2004-06 Code L	4.4	4.6
2.0L: Turbo Code X	4.8	5.0
2.2L:		
2004-09 Code F, H	4.7	5.0
2.4L:		
2006-07	4.8	5.0
2009-10	3.8	4.0
3.4L: DOHC, SOHC	4.3	4.5
2007	3.8	4.0
3.5L, 3.9L	3.8	4.0
3.6L	5.2	5.5
3.6L G8	6.7	7.0
3.8L	4.3	4.5
4.6L	7.1	7.5
5.3L	5.7	6.0
5.7L 2004	5.7	6.0
6.0L 2005-06 GTO	6.2	6.6
6.0L 6.2L G8	7.5	8.0

¹ Preferred.
² Capacities include filter change. Recheck oil level after refilling.
³ Where temperature fall below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.
⁴ Use synthetic oil.

CARS & LIGHT TRUCKS

PONTIAC Continued • PORSCHE

5 Where temperatures fall below -20°F (-29°C), it is recommended that you use an SAE 0W-20 oil.

TRANSMISSION/TRANSAXLE, Automatic

2004-09 ex. Vibe, 2009-10 G3	AF6
2009-10 G3	TIV
Vibe: 2004-08	TIV
2009-10	WS

CAPACITY, Initial Refill ¹ :	Liters	Qt
G3 2009-10	2.1	2.2

Vibe:	Liters	Qt
2004-08:		
A246E	3.0	3.2
U341F FWD	2.1	2.2
U341F AWD	2.9	3.1
2009-10:		
U140F (MVA)	3.5	3.7
U250E (MVD)	3.5	3.7
U341 (MYB)	2.9	3.1
MU4 (FWD)	3.1	3.3
MU5 (AWD)	2.9	3.1
3T40, THM125	3.8	4.0
4T40E ²	6.5	6.9
4T45E ²		
2004-07	6.5	6.9
2008-09	6.6	7.0
4T60E, 4T65E	7.0	7.4
4L60E, 4L65E	4.7	5.0
5L40E Solstice ²	4.7	5.0
5L40E G8 ²	6.0	6.3
6T402	6.0	6.3
6T70E	6.0	6.3
6L80 G8 ²	5.7	6.0

1 All ex. 4T40E, with the engine at operating temperature, shift transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed. Do not overfill.

2 Vehicle is not equipped with a transmission dipstick, special tools and procedures required. See manufacturer's service literature.

TRANSMISSION/TRANSAXLE, Manual

FWD:

2004-05 ex. Vibe	GLS37
2009-10 G3	GL-3
2008-09 G5	GLS37
2010 G5	AF6
2006 G6	.75W-80 GL-4
2007 G6	SL038

Vibe:	Liters	Pt
2004-07	.75W-85	GL-4
2008-10	.75W-90	GL-5

RWD:	Liters	Pt
GTO	AF3	
G8	GLS37	
Solstice	GL-3	

All temperatures .75W-90

CAPACITY, Refill:

Vibe:	Liters	Pt
2004-08:		
5-Speed	1.9	4.0
6-Speed	2.3	4.9
2009-10:		
1.8L	1.9	4.0
2.4L	2.5	5.3

FWD:	Liters	Pt
2004-05	1.7	3.6
2009-10 G3	1.8	3.8

G5:	Liters	Pt
MU3	1.9	4.0
GETRAG	1.6	3.3

G6:	Liters	Pt
	2.9	6.1

RWD:	Liters	Pt
GTO 2004-C6	4.4	9.3
G8 2009	3.5	7.4

Solstice:	Liters	Pt
2005	2.2	4.6
2007-09	2.6	5.5

TRANSFER CASE (AWD)

Vibe:	Liters	Pt
	.80W-90	GL-5

CAPACITY, Refill:	Liters	Pt
Vibe 2004-10	0.8	1.7

DIFFERENTIAL

G8	GLS37
GTO 2004-06	.75W-140 GL-5*

Solstice:	Liters	Pt
Standard	.75W-90	GL-5
Limited-Slip	.75W-90	GL-5*

Vibe:	Liters	Pt
	.80W-90	GL-5

CAPACITY, Refill:	Liters	Pt
G8	1.1	2.3
GTO 20C4-06	1.6	3.4

Solstice 2006-09:	Liters	Pt
Drain plug removed	1.1 ¹	2.3 ¹
w/Limited slip	1.2	2.5
w/o Limited slip	1.3	2.7

Vibe:	Liters	Pt
2004-06	0.5	1.1
2009-10	0.5 ²	1.1 ²

1 With limited slip add 3.38 oz with rear cover removed, with drain plug removed 2.37 oz GM P/N 1052358 or equivalent.

2 Fill to oil surface is within 5mm (0.197in) of the lowest position of the differential plug filler opening.

OTHER COMPONENTS

Brake Master Cylinder	HB
Clutch Fluid Reservoir	HB
Power Steering	
2004-10 ex. GTO, Vibe	PS004
GTO, 2003-06 Vibe	AF3
2007-08 Vibe	AF6
Suspension & Steering Linkage, Parking Brake Cable Guides, Shift Linkage, Clutch Cross Shaft	LB

PORSCHE

2004-15 911, BOXSTER

2004-05 911 GT2 & GT3

2004-06 911 TURBO

2004-14 CAYENNE

2013-14 CAYENNE DIESEL

2006-12, 2014-15 CAYMAN

2015 MACAN

2010-15 PANAMERA

CRANKCASE

Cayenne:	Liters	Qt
2004-06 V6	SE034	
2008-14 V6	SE034	
2004-06 V8	SE033	
2008-14 V8	SE033	

Panamera Hybrid 2012-13, 2015	Liters	Qt
All ex. Cayenne, Panamera Hybrid	SE034	

All ex. Cayenne, Panamera Hybrid	Liters	Qt
Cayenne 3.2L 2004-06:		

All temperatures,	5W-30
Above -13°F (-25°C)	5W-40, 5W-50

Panamera Hybrid:	Liters	Qt
All temperatures	0W-30, 5W-30	

All ex. Cayenne 3.2L, Panamera Hybrid:	Liters	Qt
All temperatures,	0W-40	
Above -13°F (-25°C)	5W-40, 5W-50	

CAPACITY, Refill^{1, 2}:

911	Liters	Qt
2004-05 All	8.8	9.3
2004-05 GT2, GT3	8.8	9.3
2005-08: Carrera 3.6L	8.3	8.8
Carrera 3.8L	8.5	9.0
2008-09 3.6L Turbo	8.0	8.5
2009 3.6L & 3.8L	7.5	7.9
2010-15 A1	7.5	7.9

Boxster:	Liters	Qt
2004	8.25	8.7
2005-08	7.75	8.2
Boxster & Cayman 2009-15	7.5	7.9
Cayenne 3.2L	6.3	6.6
Cayenne 3.6L 2008-12	6.9	7.3
Cayenne 3.6L 2013-14	6.7	7.1
Cayenne Diesel 2013-14	7.3	7.7
Cayenne Hybrid 2011-14	6.8	7.2
Cayenne 4.8L	9.5	10.0
Cayman: 2006-07	7.8	8.2
4.5L	8.8	9.3
Macan	3	3
Panamera: V8	9.0	9.5
Hybrid	4	4
V6	8.5	9.0

1 A drain down time of 20 minutes is required to attain accurate level on dipstick. 911 Turbo, no dipstick installed on engine. Use electronic display on instrument panel.

2 Oil capacity listed in Owner's Manual may differ from listed amount. In such cases, use amount listed in Owner's Manual.

3 Capacity minimum is 7.0L (7.4 qt) and maximum is 8.0L (8.5 qt). Oil level is checked on the instrument cluster display. See owner's manual for level checking procedure.

4 Specialty dipstick needed to check oil level. When minimum amount of 5.75L (6.1 qt) is added, the oil level will be at 18mm. When the maximum amount of 6.75L (7.1 qt) is added, the oil level will be at 30mm.

TRANSAXLE, Automatic¹

2004-08: 911 Turbo	GLSB1
911: 2004-05	AE

2006-07	SL087
2009-15:	

PDK Clutch & Hydraulics	SL086
PDK Gear Set & Bevel Gear	SL066

2004-08 Boxster, Boxster S	AE
2009-15 Boxster, Cayman:	

PDK Clutch & Hydraulics	SL086
PDK Gear Set & Bevel Gear	SL066

2004-11 Cayenne	TIV
2011-14 Cayenne	SL143

2006-08 Cayman, Cayman S	AE
2015 Macan:	

Front Final Drive	GLSCO
PDK Clutches and Mechatronics	SL159

2010-15 Panamera ex. Hybrid	SL086
2012-13, 2015 Panamera Hybrid	SL143

CAPACITY, Initial Refill²:

911 Turbo, 911 GT2, GT3:	Liters	Qt
2004-07	4.5	4.8
2008-12	5.2	5.5

Boxster, Boxster S	3.5	3.7
2008 Boxster, Cayman (Total Fill)	9.5	10.0

2009-12 911, Boxster, Cayman:		
PDK Clutch & Hydraulics	5.2	5.5
PDK Gear Set & Bevel Gear	2.9	3.5

2013-15 911, Boxster, Cayman:		
PDK Clutch & Hydraulics	NS	NS
PDK Gear Set & Bevel Gear	NS	NS

2009-12 Boxster, Cayman	3.5	3.7
Cayman, Cayman S	3.5	3.7

Cayenne:		
To Trans 09D00036D, G or H	8.5	9.0

From Trans 09D00037D, G or H	9.6	10.1
2011-12 Cayenne (Initial Fill)	10.0	10.6

2008-14 Cayenne	9.5	10.0
2008-10 Cayenne S, GTS,		

Transsyberia	9.0	9.5
2015 Macan:		

Front Final Drive	4.1	4.3
PDK Clutches and Mechatronics	6.5	6.9

Panamera: 2010-15 4WD (Total Fill)	9.0	9.5
2010-15 2WD (Total Fill)	7.6	8.0

2012-13, 2015 Hybrid	NS	NS
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1 Final drive serviced separately.

2 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSAXLE, Manual

2004-15 911	GLS58
2004-12 Boxster, Cayman	GLSA9

2013-15 Boxster, Cayman	GLS58
Cayenne	GLS59

CAPACITY, Refill¹:

911: 2004	Liters	Pt
2005-07	2.7	5.7

2008-12 6-speed	Liters	Pt
	3.0	6.3

2012-15 7-speed	Liters	Pt
	3.2	6.8

911 Turbo	Liters	Pt
	3.0	6.3

2008: 5-speed	Liters	Pt
	2.3	4.9

6-speed	Liters	Pt
	2.8	5.9

2009-15: Boxster, Cayman 6-speed	Liters	Pt
	3.0	6.3

Boxster S, Cayman S 6-speed	Liters	Pt
	3.2	6.8

Boxster GTS, Cayman GTS	Liters	Pt
	NS	NS

2004-07: Boxster, Cayman	Liters	Pt
	2.2	4.6

Boxster S, Cayman S	Liters	Pt
	2.8	5.9

2008-14 Cayenne	Liters	Pt
	1.8	1.9

GT2	Liters	Pt
	3.6	7.6

CARS & LIGHT TRUCKS

PORSCHE Continued • SAAB • SATURN

CAPACITY, Refill:	Liters	Pt
Cayenne:		
2004-07 ex. V6:		
w/o locking differential	1.4	3.0
w/locking differential	1.6	3.4
2004-07 V6 w/MT:		
w/o locking differential	1.3	2.7
w/locking differential	1.6	3.4
w/o Locking Differential		
2011-12 Cayenne	1.0	2.1
2011-12 Cayenne S, Turbo	1.0	2.1
2008-10 Cayenne	1.3	2.7
2008-10 Cayenne S, GTS, Transsyberia	1.3	2.7
w/Locking Differential		
2008-10 Cayenne	1.6	3.4
2008-10 Cayenne S, GTS, Transsyberia	1.4	3.0
2011-12 Cayenne, S, Turbo	0.5	1.1
2013-14:		
w/o Lock "Hang On"	1.0	2.1
w/o Lock "Torsen"	0.8	1.7
w/Lock	1.3	2.7
Macan:		
w/Locking Differential	1.5	3.2
w/o Locking Differential	1.2	2.5
Panamera:		
w/Locking Differential	1.2	2.5
w/o Locking Differential: 2010-13	1.1	2.3
2014-15	1.0	2.1
TRANSFER CASE		
2004-06		AE ¹
2008-10		GLS86
2011-14: w/"Hang On"		GLS87
w/"Torsen"		GLS88
CAPACITY, Refill:		
	Liters	Pt
Cayenne:		
2004-07	0.75	1.6
2008-10	0.8	1.8
2011-14: w/"Hang On"	0.8	1.7
w/"Torsen"	0.5	1.1
1 The factory fill is blue in color. The AE for topping off/adjusting or changing is red in color.		

SAAB

2004-12 9-3, 9-3X		
2011 9-4X		
2004-11 9-5		
CRANKCASE		
2004-09 Turbo		SEO24
2004-11 9-3, 9-3X, 9-5		SEO24
2011 9-4x		SEO20
2004-07:		
9-3, 9-5		0W-30
2005-06 9-2x		5W-30
2008-11 ex. 9-4x	0W-30, 0W-40, 5W-40	
2011 9-4x		5W-30
CAPACITY, Refill¹:		
	Liters	Qt
2.3L:		
9-5 2004-06	4.0	4.2
2007-08 2.3L:		
w/oil cooler	5.4	5.7
w/o oil cooler	4.0	4.2
2009:		
w/oil cooler	5.4	5.7
w/o oil cooler	4.4	4.6
2.0L Turbo:		
2004-05	6.0	6.3
2006-09	6.75	7.1
2.8L	7.0	7.4
3.0L	4.5	4.8
9-3 2.0L:		
2010-11	6.7	7.1
2012	5.7	6.0
9-4X:		
2011	5.7	6.0
9-5:		
2010-11 2.8L	5.7	6.0
2011 2.0L	5.7	6.0
1 Capacity shown includes filter, after refill check oil level.		

TRANSAXLE, Automatic			
2004-11: 9-3: 5-speed			TIV
6-speed			SL090
2004-09 9-5			TIV
2010-11 9-5			SL090
2011 9-4X: w/2.8L			SL036
w/3.0L			AF6
CAPACITY Initial Refill:			
	Liters	Qt	
2004:			
9-3	4.0 ¹	4.2 ¹	
9-5	7.0 ²	7.4 ²	
2005-07:			
9-3:			
5-speed	7.2 ²	7.6 ²	
6-speed	2.8 ¹	3.0 ¹	
9-5	7.0 ²	7.4 ²	
2008:			
9-3:			
5-speed	7.2 ²	7.6 ²	
6-speed	2.5 ¹	2.6 ¹	
9-5	7.0 ²	7.4 ²	
2009:			
9-3:			
5-speed	7.2 ²	7.6 ²	
6-speed	2.5 ¹	2.6 ¹	
9-5	7.2 ²	7.6 ²	
9-3:			
2010-11 5-speed	7.2 ²	7.6 ²	
2010-12 6-speed	7.0 ²	7.4 ²	
9-4X 2011:			
AF40	NS	NS	
6T70	9.0 ¹	9.5 ¹	
9-5 2010-11	NS	NS	
1 Initial refill capacity.			
2 Total capacity including torque converter and oil cooler shown. When refilling, use less fluid than specified.			

TRANSAXLE, Manual			
			SL088
CAPACITY, Refill:			
	Liters	Pt	
2004 9-3:			
w/5-speed	1.8	3.8	
w/6-speed	3.0	6.3	
2005-09 9-3:			
5-speed: ex. model F17	1.9	4.0	
model F17	1.6	3.4	
6-speed	2.4	5.1	
2004-09 9-5	2.0	4.2	
2010-12: 9-3:			
2WD	2.2	4.6	
AWD	1.6	3.4	
2010-11 9-5:			
MYJ	1.6	3.4	
MK6 FWD	2.2	4.6	
MR6 AWD	1.6	3.4	
TRANSFER CASE			
2010-12 9-3X, 2010-11 9-5			SL114
9-4X 2011			SL037
CAPACITY			
	Liter	Pt	
9-3X, 9-5	0.7	1.5	
9-4X	0.66	1.39	
DIFFERENTIAL			
2010-12 9-3X, 2010-11 9-5			SL109
2011 9-4X Synthetic 75W-90			GL-5
CAPACITY			
	Liter	Pt	
w/o limited Slip	0.6	1.2	
w/limited Slip	0.7	1.4	
DIFFERENTIAL CLUTCH			
2010-12 9-3X, 2010-11 9-5			SL110
CAPACITY			
	Liter	Pt	
w/o limited Slip	0.5	1.1	
w/limited Slip	0.56	1.2	
OTHER COMPONENTS			
Brake Fluid Reservoir			HBH
Clutch Fluid Reservoir			HBH
Power Steering Reservoir			PS006
2005-06 9-2X			
CRANKCASE			
All temperatures			.SL, SM, API★
5W-30			
CAPACITY, Refill¹:			
	Liters	Qt	
All	4.0	4.2	
1 Capacity shown includes filter. After refill check oil level.			
TRANSMISSION, Automatic			
2005			AF3
2006			SL021
CAPACITY, Total Refill:			
	Liters	Qt	
All	9.5 ¹	10.0 ¹	
1 Total (dry) fill shown. Use less fluid when refilling.			
TRANSAXLE, Manual			
All			75W-90 GL-5
CAPACITY, Refill:			
	Liters	Pt	
All	3.5	7.4	
DIFFERENTIAL			
Rear			75W-90 GL-5
CAPACITY, Refill:			
	Liters	Pt	
Front w/AT	1.3	2.7	
Rear	0.8	1.7	

OTHER COMPONENTS			
Brake Fluid Reservoir			HBH
Clutch Fluid Reservoir			HBH
Power Steering Reservoir			AF3
2005-09 9-7X			
CRANKCASE			
All ex. 6.0L			SEO23
6.0L			SEO22
All temperatures ex. 6.0L			5W-30 ^{1,3}
All temperatures w/6.0L			Synthetic 5W-30 ¹
CAPACITY, Refill²:			
	Liters	Qt	
4.2L	6.6	7.0	
5.3L	5.7	6.0	
6.0L	5.7	6.0	
1 Preferred.			
2 Capacity shown includes filter. After refill check oil level.			
3 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil meeting GM standard SEO23.			
TRANSMISSION, Automatic			
All			AF6
CAPACITY, Initial Refill:			
	Liters	Qt	
All	4.7	5.0	
TRANSFER CASE			
			SL033
CAPACITY, Refill:			
	Liters	Pt	
Front	1.8	3.8	
DIFFERENTIAL			
Front			Synthetic 75W-90 GL-5
Rear:			
Standard			Synthetic 75W-90 GL-5
Limited Slip			GLS25
CAPACITY, Refill:			
	Liters	Pt	
Front	0.8	1.7	
Rear: 6-cyl.	1.71	3.6 ¹	
8-cyl. w/5.3L	2.0 ¹	4.3 ¹	
8-cyl. w/6.0L	2.6 ²	5.5 ²	
1 If using synthetic 75W-90, add 4.0 oz of limited slip additive GM p/n 1052358 (Canadian p/n 992694) or equivalent. If using GLS25, do not add the limited slip additive to the axle.			
2 If using synthetic 75W-90, add 5.5 oz of limited slip additive GM p/n 1052358 (Canadian p/n 992694) or equivalent. If using GLS25, do not add the limited slip additive to the axle.			
OTHER COMPONENTS			
Brake Fluid Reservoir			HB
Power Steering Reservoir			PS004

SATURN

2004-05 L SERIES			
CRANKCASE			
All temperatures			5W-30 ^{1,3}
CAPACITY, Refill²:			
	Liters	Qt	
All	4.7	5.0	
1 Preferred.			
2 Capacity shown is with filter.			
3 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil meeting GM standard SEO23.			
TRANSAXLE, Automatic			
			AF6
CAPACITY, Initial Refill¹:			
	Liters	Qt	
All	6.5	6.9	
1 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.			
TRANSAXLE, Manual			
			SL038
CAPACITY, Refill:			
	Liters	Pt	
All	1.9	4.0	
OTHER COMPONENTS			
Brake Fluid Reservoir			HB
Clutch Fluid Reservoir			HB
Power Steering Reservoir			PS004
2004-09 VUE			
2004-07 ION			
CRANKCASE			
2.0L			SEO22
2.2L, 2.4L, 3.0L, 3.6L			SEO23
3.5L			API★
All ex. 2004-07 VUE 3.5L:			
2004 Above 0°F (-18°C)			10W-30 ^{2,4}
2004-09 All temperatures			5W-30 ^{1,2,4}
2004-07 VUE 3.5L			5W-20
CAPACITY, Refill²:			
	Liters	Qt	
2.0L Supercharged	5.7	6.0	
2.2L, Code D, F	4.7	5.0	
2.4L, 3.0L	4.7	5.0	
3.5L: 2004-07	4.3	4.5	
2008-09	3.8	4.0	
3.6L 2008-09	5.2	5.5	
1 Preferred.			
2 Supercharged engine synthetic oil must be used.			
3 Capacity shown is with filter.			
4 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.			
TRANSAXLE, Automatic CVT			
VT25-E (M16/M75) (no dip stick)			VTF13, VTA ¹

CARS & LIGHT TRUCKS

SATURN Continued • SCION

CAPACITY, Refill²:

	Liters	Qt
VT25-E (M16/M75) Total fill	8.1	8.5

1 Use variable Transmission Fluid. Add every 50,000 miles. Variable Transmission Fluid Additive, or when variable Transmission Fluid is changed.

2 See appendix for fluid level checking procedure.

TRANSAXLE, Automatic

4T45-E, 4T40-E, 6T70, 2MT70 All	AF6	
5AT-5-speed VUE	SL040	
AF23-5, AF23-5 (with dip stick)	TIV¹	

CAPACITY, Refill²:

	Liters	Qt
AF23-5, AF33 (M45)	4.0	4.2
5AT-5-speed VUE:		
FWD	4.5	4.8
AWD	4.1	4.3
2004-07 4T45-E, 4T40-E ³	6.5	6.9
2008-09 4T45-E ³	6.6	7.0

2009:		
6T70	6.0	6.3
2MT70	7.0	7.4

- Do not use any other fluids.
- With engine at operating temperature, shift transmission through all positions. With lever in park at idle, check level.
- Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.

TRANSAXLE, Manual

All ex. ION w/MU3 Trans	GLS37	
MU3 Trans	SL038	

CAPACITY, Refill:

	Liters	Pt
All ex. MU3	1.7	3.6
MU3 Trans	1.9	4.0

POWER TRANSFER UNIT

Getrag 760 2008-09	75W-90	GL-5
MJ8	75W-90	GL-5
NVG900		SL034

CAPACITY, Refill:

	Liters	Pt
Getrag 760	0.8	1.7
VUE: NVG900	0.5	1.1
MJ8	0.4	0.8

REAR DRIVE MODULE

2004-07	SL034	
2008-09	75W-90	GL-5

CAPACITY, Refill:

	Liters	Pt
VUE 2004-07	0.8	1.7
2008-09	0.5	1.1

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
Power Steering Reservoir	PS004	

2005-07 RELAY

CRANKCASE

All temperatures	SE023	
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CAPACITY, Refill¹:

	Liters	Qt
All	3.8	4.5

1 Capacity shown is with filter.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.

TRANSAXLE, Automatic

All	AF6	
CAPACITY, Initial Refill ¹ :	Liters	Qt
FWD 2005-07	7.0	7.4
AWD: 2005-06	8.3	8.7
2007	7.0	7.4

1 With the engine at operating temperature, shift transaxle through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed.

POWER TRANSFER UNIT

CAPACITY, Refill:	Liters	Pt
All	0.3	0.6

REAR DRIVE MODULE

CAPACITY, Refill:	Liters	Pt
All	1.9	4.0

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Power Steering Reservoir	PS004	

2008-09 ASTRA

CRANKCASE

All temperatures	SE023	
------------------	--------------	--

CAPACITY, Refill¹:

1.8L	4.5	4.8
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1 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil meeting GM standard SE023.

TRANSMISSION/TRANSAXLE

All	TIV	
CAPACITY, Initial Refill ¹ :	Liters	Qt
All	4.0	4.2

1 With engine at operating temperature, shift Transmission through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed.

TRANSMISSION/TRANSAXLE, Manual

All	GLS38	
CAPACITY, Refill:	Liters	Qt
All	1.6	3.4

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HB	
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2007-09 AURA

CRANKCASE

All temperatures	SE023	
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CAPACITY, Refill¹:

	Liters	Qt
2.4L	4.7	5.0
3.5L	3.8	4.0
3.6L	5.2	5.5

1 Capacity shown is with filter.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.

TRANSAXLE, Automatic

All	AF6	
CAPACITY, Initial Refill ¹ :	Liters	Qt
4T45 ³	6.6	7.0
6T40 ³	6.0	6.3
6T70 ²	4	4

1 With the engine at operating temperature, shift transaxle through all gears. Let engine slow idle in PARK for 3 minutes or more. Check fluid level and add fluid as needed.
2 Start engine and operate until the Transmission fluid reaches 180°-200°F (82°-93°C). Apply parking brake, depress the brake pedal and move the shift lever slowly through all gears, pausing approximately 3 seconds in each range. Return lever to PARK position and turn engine off. Pull the transmission level indicator from the transmission in order to check the proper fluid level on the gauge.

3 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.
4 Service fill: 4.0-6.0L (4.2-6.3 qt).

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Power Steering Reservoir	PS004	

2007-09 SKY

CRANKCASE

2.0L	SE022	
2.4L	SE023	

CAPACITY, Refill¹:

	Liters	Qt
2.0L	4.7	5.0
2.4L	4.7	5.0

1 Capacity shown includes filter.

TRANSAXLE, Automatic

CAPACITY Total Refill ¹ :	Liters	Pt
5L40-E: 2007	8.5	9.0
2008-09	8.9	9.4

1 Vehicle is not equipped with a transmission dipstick, special tools and procedure required. See manufacturer's service literature.

TRANSAXLE, Manual

All	75W-90	GL-3
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CAPACITY, Refill:

	Liters	Pt
All	2.6	5.5

DIFFERENTIAL

Standard	GL-5	
All Temperatures	75W-90	
Limited-Slip	GL-5★¹	

All Temperatures: 75W-90

CAPACITY, Refill:

	Liters	Pt
w/Limited Slip	1.2 ¹	2.5 ¹
w/o Limited Slip	1.3	2.7
w/Drain plug removed	1.1	2.3

1 Add limited slip additive GM PN. 1052358 or equivalent. With rear cover removed add 3.33 oz, with drain plug removed add 2.37 oz.

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
Power Steering Reservoir	PS004	

2007-10 OUTLOOK

CRANKCASE

2007-10	SE023	
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CAPACITY, Refill¹:

	Liters	Qt
3.6L 2007-10	5.2	5.5

1 Capacity shown is with filter.
2 Where temperature falls below -20°F (-29°C) it is recommended that you use either an SAE 5W-30 synthetic oil or an SAE 0W-30 oil.

TRANSAXLE, AUTOMATIC

All	AF6	
CAPACITY, Initial Refill ¹ :	Liters	Qt
2007-10	2	2

1 Start engine and operate until the Transmission fluid reaches 180°-200°F (82°-93°C). Apply parking brake, depress the brake pedal and move the shift lever slowly through all gears, pausing approximately 3 seconds in each range. Return lever to PARK position and turn engine off. Pull the transmission level indicator from the transmission in order to check the proper fluid level on the gauge.

2 Service Fill: 4.0-6.0L (4.2-6.3 qt).

TRANSFER CASE

CAPACITY, Refill:	Liters	Pt
All	1.0	2.1

REAR DRIVE MODULE

CAPACITY, Refill:	Liters	Pt
All	1.0	2.1

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Power Steering Reservoir	PS004	

SCION

2013-15 SCION FR-S

2012-15 SCION IQ

2005-15 SCION TC

2004-06 SCION XA, XB

2008-14 SCION XB

2008-14 SCION XD

CRANKCASE

2004-06 All temperatures	5W-30	
2007-09 All temperatures	5W-20, 0W-20 ^{1,3,4}	
2010-14 xD: All temperatures	0W-20	
2010-15 All ex. xD, FR-S:		

All temperatures: 5W-20, 0W-20^{1,3,4}

2013-14 FR-S: All temperatures: 0W-20¹

2015 FR-S: 0W-20^{1,3}

CAPACITY, Refill²:

	Liters	Qt
2013 FR-S	5.5	5.8
2014-15 FR-S	5.4	5.7
2012-15 IQ	3.5	3.7
2005-10 tC	3.8	4.0
2011-15 tC	4.4	4.6
2004-06 xA, xB	3.7	3.9
2008-14 xB	4.3	4.5
2008-14 xD	4.2	4.4

1 Preferred.
2 Capacity shown includes filter. After refill check oil level.

3 0W-20 is the best choice for good fuel economy and starting in cold weather. If 0W-20 is not available, 5W-20 may be used.

4 Ex. xD, if 5W-20 was used, it must be replaced with 0W-20 at the next oil change.

TRANSMISSION/TRANSAXLE

Automatic

2004-06	TIV	
2007-15 ex. IQ	WS	
2012 IQ CVT	VTF14	
2013-15 IQ CVT	VTF19	

CAPACITY, Initial Refill¹:

	Liters	Qt
2013-15 FR-S	2.0	2.1
2012-15 IQ	0.4	0.4
2013 IQ EV	2.9	3.1
2005-10 tC	3.5	3.7
2011-15 tC	2.7	2.9
2004-06 xA, xB	2.9	3.1
2008-14: xB	3.5	3.7
2008-14 xD	2.5	2.6

1 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION/TRANSAXLE

Manual

2013-15 FR-S	75W-90	GL-3¹
2005-10 tC	75W-90	GL-4, GL-5
2011-15 tC	75W	GL-4²
2004-06 xA	75W-90	GL-4, GL-5
2004-14 xB	75W-90	GL-4, GL-5
2008-14 xD	75W	GL-4²

CAPACITY, Refill:

	Liters	Pt
2013-15 FR-S	2.2	4.6
2005-10 tC	2.5	5.3
2011-15 tC	2.3	4.8
2004-06 xA, xB	1.9	4.0
2008-14 xB	2.5	5.3
2008-14 xD	1.9	4.0

1 Using a gear oil other than Toyota Genuine MG Gear Oil Special II may cause rattling while idling and poor fuel consumption.

2 Depending on characteristics of the gear oil used, transmission operation may be affected. Scion recommends Toyota Genuine Manual Transmission Gear Oil LV.

DIFFERENTIAL, Rear

2013-14 FR-S: w/LSD	75W-85, 75W-90	GL-5★
w/o LSD	75W-85, 75W-90	GL-5

2015 FR-S		
w/o LSD	75W-80	GL5
w/ LSD	75W-80	GL-5★

Capacity, Refill:

2013-15 FR-S: All	Liters	Pts
	1.15	2.43

OTHER COMPONENTS

Brake Fluid Reservoir	HB	
Clutch Fluid Reservoir	HB	
2004-10 Power Steering Reservoir	AF3	

CARS & LIGHT TRUCKS

SMART CAR • SUBARU • SUZUKI

SMART CAR

2008-15 FORTWO

CRANKCASE			
All			SEO30
All Temperatures	0W-30, 5W-30, 0W-40, 5W-40, 5W-50		
Above -4°F (-20°C)	10W-30, 10W-40, 10W-50, 10W-60		
Above 5°F (-15°C)	15W-30, 15W-40, 15W-50		
Above 23°F (-5°C)	20W-40, 20W-50		

CAPACITY, Refill¹:	Liters	Qt	
2008-13	3.3	3.5	
2014-15	3.4	3.6	

¹ Capacity shown includes filter.

TRANSMISSION/TRANSAXLE, Manual

All			GLSA3
CAPACITY, Initial Refill¹:	Liters	Pt	
2008-15 Gasoline	1.7	3.6	
2011-12 Electric	2.3	4.8	
2013-15 Electric	NS ¹	NS ¹	

¹ Fill to the bottom of fill hole.

OTHER COMPONENTS

Brake Fluid Reservoir	HBH
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SUBARU

2004-15

CRANKCASE

2004-10			SM, API*
2011-15			SM, SN, API*
2004-09:			

Warm climate & HD applications	30, 40, 10W-50, 20W-40, 20W-50		
Above -4°F (-20°C)	10W-30, 10W-40		
Below 105°F (40°C)	5W-30 ¹		
Above -4°F (-20°C)	10W-30, 10W-40		
All Temperatures	5W-30 ¹		
2010: All temperatures	5W-30		

2011:

Forester:			
2.5L Turbo	Synthetic 5W-30 ⁴		
2.5L w/o Turbo	Synthetic 0W-20 ³		
Impreza, Impreza WRX, Outback	Synthetic 5W-30 ⁴		
Legacy, Tribeca:			
All temperatures	5W-30 ¹ , 5W-40		
Above -4°F (-20°C)	10W-30, 10W-40		

2012:

Forester, Legacy, Outback Turbo	Synthetic 5W-30 ⁴		
Legacy, Outback w/o Turbo	5W-30		
Forester, Impreza w/o Turbo	Synthetic 0W-20 ³		
Impreza WRX	Synthetic 5W-30 ⁵		

2013-15:

BRZ	0W-20		
Forester:			
2.0L, 2.5L w/Turbo	Synthetic 5W-30 ⁴		
2.5L w/o Turbo	Synthetic 0W-20 ³		
Impreza 2.0L	Synthetic 0W-20 ³		
Impreza 2.5L	Synthetic 5W-30 ⁵		
Legacy, Outback:			
2.5L Synthetic	0W-20 ³		
3.6L: All temperatures	5W-30		
Above -4°F (-20°C)	10W-30, 10W-40		
Tribeca: All temperatures	5W-30		
WRX, WRX STI 2015:			
All temperatures	Synthetic 5W-30 ⁶		
XV Crosstrek	Synthetic 0W-20 ³		

CAPACITY, Refill²:

	Liters	Qt	
B9 Tribeca:			
2006	5.5	5.8	
2007	5.7	6.0	
Baja	4.0	4.2	
BRZ	5.4	5.7	
Forester: 2004-06	4.0	4.2	
2007-10:			
2.5L	4.2	4.4	
2.5L Turbo	4.3	4.5	
2011-13: 2.5L	5.2	5.5	
2.5L Turbo	4.2	4.4	
2014-15: 2.0L Turbo	5.1	5.4	
2.5L	4.8	5.1	
Impreza:			
2004:			
Turbo 2.0L	4.5	4.8	
2.5L & STI	4.0	4.2	
2005-06	4.0	4.2	
2007-08:			
2.5L	4.2	4.4	
2.5L Turbo	4.3	4.5	
2009-14:			
WRX	4.2	4.4	
WRX STI	4.3	4.5	
2015:			
WRX 2.0L	5.1	5.4	
WRX STI 2.5L	4.3	4.5	
2013-15:			
2.0L	4.8	5.1	

CAPACITY, Refill²:	Liters	Qt	
Legacy:			
2004-06	4.0	4.2	
2007-12:			
2.5L	4.2	4.4	
2.5L Turbo	4.3	4.5	
2013-15 2.5L	4.8	5.1	
2008-09 3.0L	5.7	6.0	
2010 3.6L	6.3	6.7	
2011-15 3.6L	6.5	6.9	
Outback:			
2.5L:			
2004-06	4.0	4.2	
2007-12	4.2	4.4	
2013-15	4.8	5.1	
Turbo	4.3	4.5	
3.0L:			
2004	5.6	5.9	
2005-06	5.5	5.8	
2007-10	5.7	6.0	
3.6L:			
2010	6.3	6.7	
2011-15	6.5	6.9	
Tribeca 2008-14 w/filter	6.5	6.9	
XV Crosstrek	4.8	5.1	

¹ Preferred.

² After refill, check oil level.

³ If 0W-20 Synthetic oil is not available, 5W-30 or 5W-40 conventional may be used if replenishment is needed but should be changed to 0W-20 Synthetic oil at the next oil change.

⁴ If 5W-30 synthetic oil is not available, 5W-30 or 5W-40 conventional oil may be used if replenishment is needed but should be changed to 5W-30 synthetic oil at the next oil change.

⁵ 10W-30, 10W-40, 5W-30 or 5W-40 conventional oil may be used if replenishment is needed but should be changed to 5W-30 synthetic oil at the next oil change.

⁶ If 5W-30 synthetic oil is not available, 5W-40 conventional oil may be used if replenishment is needed, but should be changed to 5W-30 synthetic oil at the next oil change.

TRANSAXLE, Automatic¹

Non-Turbo w/CVT	VTF15
Turbo w/CVT	VTF22
2004	AF3
2013-15 BRZ	WS
2005 Forester	AF3
2005-11 Impreza, B9 Tribeca, Tribeca	SL097
2005-14 Forester, Legacy, Outback	
ex. 2005 Forester, 2010-14 XV Crosstrek, Forester, Legacy & Outback w/CVT	SL097
2012-14 Tribeca	SL097

CAPACITY, Total Fill², 3, 4:

	Liters	Qt	
2006-07 B9 Tribeca, 2008-11			
Tribeca	9.6	10.1	
Tribeca 2012-14	9.8	10.4	
Baja Pickup, Legacy, Outback:			
2.5L	9.3	9.8	
3.0L	9.3	9.8	
2005-12 5-Speed	9.8	10.4	
BRZ	7.5	7.9	
Forester:			
2004-13	9.3	9.8	
2014-15 w/CVT:			
Non-turbo	12.2	12.9	
Turbo	12.4	13.1	
Impreza:			
2.0L 2004-05	9.3	9.8	
2.0L 2012-13 w/CVT	12.2	12.9	
2.0L 2014 w/CVT	12.4	13.1	
2.0L 2015	11.9	12.1	
2.5L 2004-08	9.5	10.0	
2.5L 2009-11	9.3	9.8	
2010-12 Legacy, Outback w/CVT	12.5	13.2	
2010-14 Legacy, Outback w/o CVT	9.8	10.4	
2013-14 Legacy, Outback w/CVT	12.4	13.1	
2015 Legacy, Outback 2.5L w/CVT	11.4	12.0	
2015 Legacy, Outback 3.6L w/CVT	12.7	13.4	
2015 WRX	12.4	13.1	
2013 XV Crosstrek w/CVT	12.2	12.9	
2014 XV Crosstrek w/CVT	12.4	13.1	
2015 XV Crosstrek w/CVT	12.2	12.9	

¹ Final drive serviced separately.

² With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

³ Total capacity. When refilling, add ATF until ATF level is at cold mark on dipstick. Start engine & allow transaxle to reach operating temperature.

⁴ Vehicles with CVT transmissions are not equipped with a transmission dipstick; special procedure is required. See manufacturer's service literature.

TRANSAXLE, Manual

BRZ	GL-3
2004-13 ex. BRZ	GL-5
All temperatures	.75W-90
Above 32°F (0°C)	.90
All ex. 2012-13 Legacy, Outback	
Above -20°F (-30°C)	.85W
All ex. 2012-13 Legacy, Outback	
Below 90°F (32°C)	.80W
2014-15 ex. BRZ, WRX, WRX STI	GL-5 ¹
2014 WRX, WRX STI	GL-5
All temperatures	.75W-90

2015 WRX	.75W-90	GL-5 ¹
2015 WRX STI	.75W-90	GL-5
CAPACITY, Refill:	Liters	Pt
Baja, XV Crosstrek	3.5	7.4
BRZ	3.2	4.6
2004-13 Forester	3.5	7.4
2014-15 Forester	3.3	6.9
2004-11 Impreza:		
ex. WRX, STI	3.5	7.4
w/ 6-speed WRX, STI	4.1	8.6
2012-14 Impreza, WRX, WRX STI:		
5-Speed	3.5	7.4
6-Speed	4.1	8.6
2015 Impreza 5-Speed	3.5	7.4
2015 WRX	3.3	6.9
2015 WRX STI	4.1	8.6
Legacy, Outback:		
2004-09 5-Speed	3.5	7.4
2007-09 6-Speed	4.1	8.6
2010-12 6-Speed	3.7	7.8
2013-15	3.3	6.9

¹ Use SUBARU Extra MT.

FINAL DRIVE

Front w/AT, CVT	GL-5	
2004 All temperatures	.80W-90	
2004-13 All temperatures	.75W-90	
Above 32°F (0°C)	.90	
All ex. 2012-13 Legacy, Outback, Tribeca		
Above -20°F (-30°C)	.85W	
All ex. 2012-13 Legacy, Outback, Tribeca		
Below 90°F (32°C)	.80W	
2014-15 All temperatures	.75W-90	
Above 32°F (0°C)	.90	
2015 WRX	GL-5 ¹	
All temperatures	.75W-90	
CAPACITY, Refill:	Liters	Pt
All ex. 2005-12 B9 Tribeca, Outback	1.2	2.5
Forester 2013	1.2	2.5
2014-15:		
Non-turbo	1.35	2.85
Turbo	1.4	3.0
Legacy, Outback:		
2005-10 w/4-Speed	1.2	2.5
w/ 5-Speed	1.4	3.0
2011-12	1.4	3.0
2013-14:		
w/ CVT	1.4	3.0
w/ CVT	1.35	2.85
2015: w/2.5L	1.2	2.5
w/3.6L	1.4	3.0
B9 Tribeca, Tribeca 2006-14	1.4	2.9
Impreza: 2004-11	1.2	2.5
2012-14 w/CVT	1.4	2.9
2015 w/CVT	1.2	2.5
WRX 2015	1.4	2.9
XV Crosstrek: 2013-14	1.35	2.85
2015	1.2	2.5

¹ Use Subaru Extra MT.

DIFFERENTIAL, Rear

BRZ: w/LSD	GL-5 ¹	
w/o LSD	GL-5 ¹	
2004-15 All ex. BRZ	GL-5	
Above 32°F (0°C)	.90	
All ex. 2012-13 Legacy, Outback, Tribeca, 2015 WRX, WRX STI: 2014-15 Impreza, 2014-15 XV Crosstrek		
Above -20°F (-30°C)	.85W	
All ex. 2012-13 Legacy, Outback, Tribeca, 2015 WRX, WRX STI: 2014-15 Impreza, 2014-15 XV Crosstrek		
Below 90°F (32°C)	.80W	
All temperatures ex. BRZ	.75W-90	
BRZ, all temperatures	.75W-85, .75W-90	
CAPACITY, Refill:	Liters	Pt
All models ex. BRZ, STI	0.8	1.6
BRZ	1.15	2.43
STI: 2004	0.9	1.8
2005-15	1.0	2.1

¹ 2013 BRZ without LSD, use differential oil LT. 2013 BRZ with LSD, use differential oil LX. 2014-15 BRZ, use differential oil LX.

OTHER COMPONENTS

Brake & Clutch Master Cylinder	HB
Power Steering	AF3
2013-15	AF3, SL097

SUZUKI

2004-07 AERIO, AERIO SX

CRANKCASE			
Above -4°F (-20°C)	10W-30		
All temperatures	5W-30 ¹		
CAPACITY, Refill²:	Liters	Qt	
2.0L, 2.3L	4.7	4.9	
¹ Preferred.			
² Capacity shown includes filter. After refill, check oil level.			
TRANSAXLE, Automatic			AF3
Capacity, Initial Refill¹:	Liters	Qt	
All	4.5	4.3	</

CARS & LIGHT TRUCKS

SUZUKI Continued

TRANSAXLE, Manual	GL-4
All temperatures	.75W-85, 75W-90
CAPACITY, Initial Refill:	Liters Pt
All	2.3 4.9
TRANSFER CASE	GL-4
All temperatures	.75W-85, 75W-90
CAPACITY, Refill:	Liters Pt
All	0.7 1.5
DIFFERENTIAL, Rear	GL-5
All temperatures	.80W-90
Above 32°F (-0°C)	.90
CAPACITY, Refill:	Liters Pt
All	0.7 1.5

2004-13 GRAND VITARA, VITARA, XL-7

CRANKCASE		API*
All		.10W-30 ¹
Above 0°F (-18°C)		.5W-30 ²
All temperatures		.5W-30 ²
CAPACITY, Refill:	Liters Qt	
Grand Vitara:		
2004-05	5.5	5.8
2006-08	4.8	5.1
2009-10:		
2.4L	4.8	5.1
3.2L	6.0	6.3
2011-13 2.4L	4.8	5.1
Vitara:		
1.6L	4.2	4.4
2.0L	5.2	5.5
XL-7:		
2004-06	5.5	5.8
2007-08	5.2	5.5
2009:		
4-speed	2.5	2.6
5-speed	3.0	3.2

1 Do not use 10W-30 in the 2007-08 XL-7.
2 Preferred.
3 Capacity shown includes filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

2004-05 All		AF3
Grand Vitara 2006-13		TIV
XL-7: 2006		AF3
2007-08		TIV
2009		AF6
CAPACITY, Initial Refill:	Liters Qt	
2004-05 2WD	2.8	3.0
4WD	2.5	2.6
Grand Vitara:		
2006-08	3.0	3.2
2009-10: 4-speed	2.5	2.6
5-speed	3.0	3.2
2011-13 4-speed	2.5	2.6
XL-7:		
2006	3.0	3.2
2007-08	4.0	4.2
2009: AF33-5	4.0	4.2
6T70/6T75	4.0-6.0	4.2-6.3

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION/TRANSAXLE, Manual

Grand Vitara, XL-7:		GL-4
2004-08:		
All temperatures	.75W-85, 75W-90	
Above -4°F (-20°C)	.80W-90	
2009-10	.75W-90	
2011-13	.75W-80	
Vitara		GL-4
All temperatures	.75W-85, 75W-90 ¹	
Above -4°F (-20°C)	.80W-90	
¹ 75W-90 preferred.		
CAPACITY, Refill:	Liters Pt	
Grand Vitara:		
2004-05	2.6	5.5
2006-13	1.9	4.0
Vitara:		
2004	2.6	5.5
XL-7:		
2004-06	2.3	4.9

TRANSFER CASE

Grand Vitara, XL-7:		
2004	.75W-80, 75W-90	GL-4
2005-06: w/motor shift	.75W-90	GL-4
w/lever shift	.75W-85, 75W-90	GL-4¹
Grand Vitara:		
2007-10		GL-5
All temperatures	.75W-85, 75W-90	
Above -4°F (-20°C)	.80W-90 ²	
2011-13		GL-5
All temperatures	.80W-90	
Vitara	.75W-80, 75W-90	GL-4
XL-7: 2007-09	.75W-90	GL-5
CAPACITY, Refill:	Liters Pt	
2004	1.7	3.6
2005:		
Lever Shift 4WD	2.2	4.6
Lever Shift 4WD	1.7	3.6
Motor Shift	1.7	3.6

CAPACITY, Refill:	Liters Pt
2006:	
Grand Vitara	1.5 3.1
XL-7	1.7 3.6
2007-09 XL-7	0.8 1.8
2007-08:	
Grand Vitara:	
Motor Shift	1.5 3.1
Lever Shift	1.6 3.4
2009-10:	
Grand Vitara:	
Motor shift	1.6 3.4
Non-shift	1.7 3.6
2011-13:	
Motor Shift	1.5 3.1
Lever Shift	1.6 3.4

1 Above -4°F (-20°C) 80W-90.
2 Preferred.

DIFFERENTIAL

Grand Vitara, XL-7:		
2004	.75W-80, 75W-90	GL-5
2005-06: Front	.75W-80, 75W-90	GL-5
Rear	.80W-90	GL-5
2007-13:		
Grand Vitara: Front/Rear		GL-5
All temperatures	.80W-90 ¹	
Above 32°F (0°C)	.90	
XL-7: Rear	Synthetic 75W-90	GL-5
Vitara	.75W-80, 75W-90	GL-5

CAPACITY, Refill:

Liters Pt	
Front:	
All ex. XL-7	1.0 2.1
XL-7	1.25 2.6
Rear:	
2004-05 All ex. XL-7	2.2 4.6
XL-7:	
2004-05	2.5 5.5
2007-09	0.5 1.0
Grand Vitara:	
2006-07:	
2WD	0.9 1.9
4WD	0.8 1.8
2008:	
2WD	0.8-1.0 1.7-2.1
4WD	0.8-0.9 1.7-1.9
2009-10:	
2WD: w/4-speed	0.8 1.7
w/5-speed	1.1 2.3
4WD	0.8 1.7
2011-13:	
2WD w/AT	0.8 1.7
w/MT	1.1 2.3
4WD	0.8 1.7

1 Preferred.
2 Capacity shown includes filter. After refill, check oil level.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir	AF3

2004-08 FORENZA

2005-08 RENO

2004-06 VERONA

CRANKCASE

All ex. 2004-06 Verora:		
Above -4°F (-20°C)	.10W-30	
All temperatures	.5W-30 ¹	
2004-06 Verona:		
Above -4°F (-20°C)	.10W-40	
All temperatures	.5W-30 ¹	
CAPACITY, Refill:	Liters Qt	
2.0L	4.0	4.2
2.5L	6.4	6.8

1 Preferred.
2 Capacity shown includes filter. After refill, check oil level.

TRANSAXLE, Automatic

CAPACITY, Initial Refill:	Liters Qt
All	4.0 4.2

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSAXLE, Manual

All temperatures	.80W
CAPACITY, Refill:	Liters Pt
All	1.8 3.8

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir	AF3

2007-13 SX4

CRANKCASE

Above -4°F (-20°C) 2007-10	.10W-30
All temperatures	.5W-30 ¹
CAPACITY, Refill:	Liters Qt
2.0L	4.5 4.8

1 Preferred.
2 Capacity shown includes filter. After refill, check oil level.

TRANSAXLE, Automatic

CAPACITY, Initial Refill:

Liters Qt	
All	4.5 4.8

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSAXLE, CVT

CAPACITY, Refill:

Liters Qt	
2010	9.4 10.0
2011-13	8.0 8.4

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSAXLE, Manual

CAPACITY, Refill:

Liters Pt	
All	2.5 5.2

1 Recommended.

TRANSFER CASE

CAPACITY, Refill:

Liters Pt	
All	0.6 1.2

DIFFERENTIAL, Rear

All temperatures	.80W-90
Above 32°F (0°C)	.90
CAPACITY, Refill:	Liters Pt
All	0.7-0.9 1.5-1.9

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering Reservoir	AF3

2009-12 SUZUKI EQUATOR

CRANKCASE

All		API*
All temperatures		.5W-30
CAPACITY, Refill:	Liters Qt	
2.5L	4.6	4.9
4.0L	5.1	5.4

1 Capacity shown is with filter. After refill, check oil level.

TRANSMISSION/TRANSAXLE, Automatic

CAPACITY, Total fill:

Liters Qt	
All	10.3 10.9

TRANSMISSION/TRANSAXLE, Manual

CAPACITY, Total fill:

Liters Pt	
5 Speed	2.9 6.1
6 Speed:	
2WD	4.0 8.4
4WD	4.2 8.8

TRANSFER CASE

CAPACITY, Refill:

Liters Pt	
2009	2.0 4.2

DIFFERENTIAL

Front

.80W-90¹ GL-5

Rear:

C200 Synthetic 75W-90 GL-5

M226 Synthetic 75W-140 GL-5

CAPACITY, Refill:

Liters Pt	
Front	0.85 1.8
Rear:	
C200	1.6 3.4
M226	2.0 4.2

1 For ambient temperatures above 32°F (0°C), 90 is suitable.

OTHER COMPONENTS

Brake Fluid Reservoir	HB
-----------------------	-----------

2010-13 KIZASHI

CRANKCASE

CAPACITY, Refill:

Liters Qt	
All	4.5 4.8

1 Capacity shown includes filter. After refill, check oil level.

TRANSAXLE, Automatic

CAPACITY, Total Refill:

Liters Qt	
2010	8.3 8.7
2011-13	8.0 8.5

TRANSAXLE, Manual

CAPACITY, Refill:

Liters Pt	
All	2.5 5.3

TRANSFER CASE

DIFFERENTIAL, Rear

All temperatures	.80W-90
CAPACITY, Refill:	Liters Pt
All	0.7-0.9 1.5-1.9

CARS & LIGHT TRUCKS

SUZUKI Continued • TOYOTA

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB

TOYOTA

2004-15 ALL MODELS

ex. 4RUNNER, FJ CRUISER, HIGHLANDER, LAND CRUISER, RAV4, SEQUOIA, TACOMA, TUNDRA, VENZA

CRANKCASE API★

2004-12 Avalon	5W-30 ¹
2013-15 Avalon	0W-20 ^{1,4}
2010-15 Avalon HV, Camry HV, Corolla, Matrix, Prius	0W-20 ^{1,5W-20⁴}
2007-09 Camry 4-cyl., 2008 Solara	5W-20, 0W-20 ¹
2009 Corolla, Matrix	0W-20 ¹ , 5W-20
2004-09 All others	5W-30 ¹
2010-15 Camry 2.4L, 2012-15 3.5L	0W-20 ^{1,4}
Sienna:	
2004-10	5W-30
2011-15	5W-20 ⁴ , 0W-20 ¹
Yaris:	
2006-11	5W-30
2012 Sedan	5W-20
2012 Hatchback	5W-30
2013-15	5W-30 ^{1,5} , 10W-30

CAPACITY, Refill²:

	Liters	Qt
Avalon:		
2004 3.0L	4.7	5.0
2005-15 3.5L	6.1	6.4
Avalon HV 2013-15	4.4	4.6
Camry, 2004-08 Solara:		
4-cyl:		
2004-06	3.8	4.0
2007-09	4.3	4.5
2010-15 2.5L	4.4	4.7
3.0L	4.7	5.0
3.3L	4.7	5.0
3.5L	6.1	6.4
Camry Hybrid 2007-11	4.3	4.5
2012-15	4.4	4.6
Celica 2004-05:		
1.8L	4.2 ³	4.4 ³
1.8L H.O.	4.5	4.8
Corolla:		
2004-08:		
1.8L	4.2 ³	4.4 ³
1.8L HO	4.4	4.7
2009-15:		
1.8L	4.2	4.4
2.4L	3.8	4.0
Echo:		
2004-05	3.7	3.9
Matrix:		
2004-05		
Std.	4.2 ³	4.4 ³
H.O.	4.4	4.7
2006-08	4.2	4.4
2009-14:		
1.8L	4.2	4.4
2.4L	3.8	4.0
MR2	3.7	3.9
Prius:		
2004-09	3.7	3.9
2010-15	4.2	4.4
Prius C 2012-14	3.7	3.9
Prius PHV, V 2012-15	4.2	4.4
Sienna:		
2004-07	4.7	5.0
2008-10	6.1	6.4
2011-15 2.7L	4.4	4.7
3.5L	6.1	6.4
Yaris 2006-15	3.7	3.9

1 Preferred.

2 Capacity shown is with filter. After refill, check oil level.

3 2004-05 capacity shown is in combination with updated dipstick, Part No. 15301-22050. Capacity with originally installed dipstick, Part No. 154301-2230 is 0.5L (0.5 quarts) less.

4 If SAE 0W-20 is not available, SAE 5W-20 may be used. However SAE 0W-20 must be used next oil change.

5 If 5W-30 is not available, SAE 10W-30 may be used. However SAE 5W-30 must be used at next oil change.

TRANSMISSION/TRANSAXLE, Automatic

Avalon 2005-15	WS
Avalon HV 2013-15	WS
Camry: 2004-06	TIV
2007-15	WS
Celica 2004-05	TIV
Corolla ¹ : 2004-08	TIV
2009-15 ex. CVT	WS
2014-15 CVT	VTF19
Echo, 2004-05	TIV
Matrix: 2004-08	TIV
2009-14	WS
Prius 2004-15	WS

Sienna ¹ : 2004-06	TIV
2007-15	WS
Solara: 4-cyl.: 2004-07	TIV
4-cyl., 2008	WS
6-cyl., 2008	TIV
Yaris 2006-15	WS
All others ¹	AF3

CAPACITY, Initial Refill²:

	Liters	Qt
Avalon:		
2004	4.7	5.0
2005-07	3.5	3.7
2008-15	2.8	3.0
Avalon HV 2013-15	3.7	3.9
Camry:		
2004-05: 4-cyl	3.9	4.1
V6	3.5	3.7
2006 All	3.5	3.7
2007-08: 4-cyl	3.5	3.7
V6	2.8	3.0
Hybrid	4.1	4.3
2009: 4-cyl	3.5	3.7
V6 (Total Fill)	6.5	6.9
Hybrid	4.1	4.3
2010-15: 4-cyl	2.7	2.9
V6	2.8	3.0
2010-11 Hybrid	4.1	4.3
2012-15 Hybrid	3.7	3.9

Celica:

2004-05:		
1.8L	2.9	3.1
1.8L H.O. 2004-05	3.5	3.7
Corolla: 3-speed ¹	2.5	2.6
2004-08 4-speed	3.0	3.2
2009-15: 4-speed	2.5	2.6
5-speed	3.5	3.7
2014-15 CVT	1.2	1.3
Echo	2.9	3.1
Matrix:		
2004-06 2WD (A246E)	3.0	3.2
2004-06 AWD (J341F)	2.1	2.2
2007-08 (J246E)	3.0	3.2
2009-14:		
4-speed	2.5	2.6
5-speed	3.5	3.7
Prius: 2004-09	3.6	3.8
2010	3.3	3.5
2011-15	3.4	3.6
Prius C 2012-14	3.3	3.5
Prius V/PHV 2012-15	3.4	3.6

Sienna¹:

2004-05:		
2WD	3.5	3.7
4WD	3.6	3.8
2006-10	3.5	3.7
2011-13		
2WD	2.7	2.9
4WD	2.8	3.0
2014-15	2.8	3.0
Solara:		
2004-08	3.5	3.7
Yaris 2006-15	2.5	2.6

1 Differential is serviced separately in: Corolla 3-speed, Sienna.

2 With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

TRANSMISSION/TRANSAXLE, Manual

All MR2	GL-4, GL-5
All temperatures	75W-90
2010-11 Camry	75W GL-4★
2009-15 Corolla, Matrix	75W GL-4
Yaris 2006-13	75W-90 GL-4, GL-5
2014	2.3
2015	75W GL-4 ³

CAPACITY, Refill:

	Liters	Pt
2004-11 Camry, 2004-08 Solara:		
4-cyl:		
2004-09	2.5	5.3
2010-11	2.3 ¹	4.8 ¹
3.0L:		
2004-06	2.5	5.3
3.3L, 3.5L	2.5	5.3
Celica: 1.8L	1.9	4.0
H.O.	2.3	4.9
Corolla:		
C59 5-speed	1.9	4.0
C60 6-speed	2.3	4.9
E351 5-speed	2.5	5.3
EL65	2.4	5.1
Echo	1.9	4.0
Matrix:		
C59 5-speed	1.9	4.0
C60 6-speed	2.3	4.9
E351 5-speed	2.5	5.3
2014:		
1.8L	1.9	4.0
2.4L	2.5	6.2
MR2:		
Standard transmission:		
w/limited slip	1.8	3.8
w/o limited slip	1.9	4.0
Sequential transmission:		
w/limited slip	2.1	4.4
w/o limited slip	2.3	4.9

CAPACITY, Refill:

	Liters	Pt
Yaris	1.9	4.0
1 Includes final drive & transfer case.		
2 2014 Hatchback models: Check transmission model code located on the certification label. Transmission model codes beginning with NPC131L-A0000X, use 75W-90 GL-4. Transmission model codes beginning with NPC131L-C0000X, use 75W GL-4 ³ .		
3 Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling or fuel efficiency may be different or affected. Toyota recommends to use TOYOTA Genuine Manual Transmission Gear oil LV to achieve optimal performance.		

TRANSFER CASE

Matrix, Sienna	GL-5
2008-10 Sienna:	
Above 0°F (-18°C)	90
Below 0°F (-18°C)	80W, 80W-90
2011-15 Sienna	75W-85
All others	90

CAPACITY, Refill:

	Liters	Pt
Matrix	0.8	1.7
Sienna: 2004-10	0.9	1.9
2011-15	0.8	1.7

FINAL DRIVE, FWD w/AT AF3

	Liters	Pt
Camry & Solara, 4-cyl.	1.6	3.4
Corolla	1.4	3.0

DIFFERENTIAL

Matrix	GL-5
Above 0°F (-18°C)	90
Below 0°F (-18°C)	80W or 80W-90

Sienna

Above 0°F (-18°C)	90
Below 0°F (-18°C)	80W or 80W-90
2011-15 Sienna	75W-85

CAPACITY, Refill:

	Liters	Pt
Matrix	0.5	1.1
Sienna:		
2004-10	0.9	1.9
2011-15	0.5	1.0

OTHER COMPONENTS

Brake Fluid Reservoir	HB
Clutch Fluid Reservoir	HB
Power Steering:	
ex. MR2	AF2, AF3
MR2	PS021

2004-15 4RUNNER, FJ CRUISER, HIGHLANDER, RAV4, SEQUOIA, TACOMA, TUNDRA, VENZA 2004-11, 2013-15 LAND CRUISER

CRANKCASE API★

2010-15 4Runner, FJ Cruiser	0W-20, 5W-20 ³
Highlander:	
2.4L 2007	5W-20, 0W-20
2.7L 2009-15	5W-20, 0W-20
2004-08 all ex. tow pkg	5W-30
2008-10 V6: w/tow pkg	5W-30
w/o tow pkg	5W-20
2011-15	5W-20, 0W-20 ¹
Highlander Hybrid:	
2006-07	5W-30
2008-10	5W-20, 0W-20 ²
2011-15	5W-20, 0W-20 ^{2,3}

Land Cruiser:

2004-07	5W-30
2008-11, 2013-15	5W-20, 0W-20 ^{2,3}

RAV4:

2006-13 2.4L, 2.5L ex. 3.5L	5W-20, 0W-20 ^{2,3}
2006-12 3.5L	5W-30
2014-15	5W-20, 0W-20 ^{2,3}

Tacoma:

2004-2015, ex. 2.7L	5W-30
2008-15 2.7L	5W-20, 0W-20 ^{2,3}

Tundra, Sequoia

2004-10 ex. 4.6L, 5.7L	5W-30
4.6L, 5.7L	5W-20, 0W-20 ^{2,3}
2011-15	5W-20, 0W-20 ^{2,3}

Venza:

2009-11 2.7L	5W-20, 0W-20 ^{2,3}
3.5L	5W-30
2012-15	5W-20, 0W-20 ^{2,3}

CAPACITY, Refill¹:

	Liters	Qt
4Runner:		
4-cyl 2010-11	5.0	5.3
V6: 2004-09	5.2	5.5
2010-15	6.2	6.6
V8	6.2	6.6
FJ Cruiser: 2007-09	5.2	5.5
2010-14	6.1	6.4
Highlander:		
2004-07:		
2.4L	3.8	4.0
3.3L	4.7	5.0
2008-15:		
2.7L Hybrid	4.7	5.0
2.7L ex. Hybrid	4.4	4.7
3.5L	6.1	6.4

CARS & LIGHT TRUCKS

TOYOTA Continued

CAPACITY, Refill ¹ :			CAPACITY, Initial Refill ^{1, 2} :			CAPACITY, Refill:		
	Liters	Qt		Liters	Qt		Liters	Pt
Land Cruiser:			Highlander Hybrid:			2007-08:		
2004-07	6.8	7.2	2006-07:			Above 0° F (-18°C)		.85W-90
2008-09	7.0	7.4	2006-07:			Below 0° F (-18°C)		.80W-90
2010:			Front: w/Towing Package	4.2	4.4	2009-12:		
w/blue dipstick	7.0	7.4	w/o Towing Package	3.9	4.1	Above 0° F (-18°C)		.90
w/green dipstick	7.5	7.9	Rear	2.0	2.1	Below 0° F (-18°C)		.80W, 80W-90
2011, 2013-15	7.5	7.9	2008-09:			2013-15		.75W-85
RAV4:			Front	3.9	4.1	Sequoia:		
2004-05	3.8	4.0	Rear (AWD)	1.8	1.9	2004	.75W-90	GL-4, GL-5
2006-15:			2010:			2005-15	.75W-90	GL-5
2.4L	4.3	4.5	Front	4.2	4.4	2014-15 Tundra	.75W	GLS72
2.5L	4.4	4.6	Rear (AWD)	1.8	1.9	All Others	GL-4, GL-5	
6-cyl	6.1	6.4	2011-15: Front	4.6	4.9	All temperatures		.75W-90
Sequoia:			Rear (AWD)	1.8	1.9	CAPACITY, Refill:		
4.6L	7.5	7.9	Land Cruiser:			4Runner:		
4.7L	6.2	6.6	2003-10	3.0	3.2	2004-09	1.4	2.95
5.7L: 2008-09	7.0	7.4	2011, 2013-15	2.1	2.2	2010-15: Fulltime	1.4	2.95
2010-15	7.5	7.9	RAV4:			Parttime	1.0	2.1
Tacoma:			2004-08	3.5	3.7	FJ Cruiser:		
2.4L 2004	5.5	5.8	2009-12: 4-speed	3.5	3.7	2007: Part Time	1.0	2.1
2.7L:			5-speed	3.6	3.8	Full Time	1.4	2.95
2004: 2WD	5.4	5.7	2013-15	2.7	2.9	2008-14: w/AT	1.0	2.1
4WD	5.2	5.5	2012-14 Hybrid	1.2	2.3	w/MT	1.4	2.95
2005-15	5.8	6.1	Sequoia:			Highlander: 2004-13	0.9	1.9
3.4L:			2004	2.0	2.1	2014-15	0.8	1.7
2004: 2WD	5.4	5.7	2005-07	3.0	3.2	Land Cruiser	1.3	2.7
4WD	5.2	5.5	2008-10 5-speed	1.7	1.8	2008-11, 2013-15	1.5	3.1
2005-15	5.8	6.1	2008-15 6-speed:			RAV4:		
4.0L:			A760E, A760F	3.0	3.2	2004-06	0.9	1.9
2005-15: 2WD ex. PreRunner	4.5	4.8	AB60, AB60F	2.1	2.2	2007-15	0.5	1.1
4WD, 2WD PreRunner	5.2	5.5	Tacoma:			Sequoia:		
Tundra:			2004:			2004	1.2	2.5
3.4L	5.2	5.5	2WD	2.4	2.5	2005-15	1.4	2.95
4.0L: 2005-06	4.5	4.8	4WD & PreRunner	2.0	2.1	Tacoma	1.0	2.1
2007-09	5.2	5.5	2005-15: 4-speed	2.0	2.1	Tundra: 2004-06	1.0	2.1
2010-14	6.1	6.4	5-speed	3.0	3.2	2007-13	1.1	2.3
4.6L	7.5	7.9	Tundra: 2004	2.0	2.1	2014-15	1.5	3.2
4.7L 2004-09	6.2	6.6	2005-15	3.0	3.2	Venza 2009-15	0.8	1.7
5.7L: 2007-09	7.0	7.4	Venza:			DIFFERENTIAL		
2010-15	7.5	7.9	2009-15 U660E/U660F	2.8	3.0	4Runner:		
Venza 2009-15:			2009-15 U760E/U760F	2.7	2.9	2004-08		
2.7L	4.4	4.6	1 Models with Dipsticks: With the engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.					
3.5L	6.1	6.4	2 Models without dipstick, refer to the appendix of the transmission fluid service guide for fluid level check procedure.					
1 Capacity shown includes filter. After refill, check oil level.			TRANSMISSION, Manual					
2 Preferred.			2007-13					
3 0W-20 is the best choice for good fuel economy and starting in cold weather. If 0W-20 is not available, 5W-20 may be used. However, it must be replaced with 0W-20 at the next oil change.			All temperatures					
TRANSMISSION, Automatic			2014-15					
4-Runner:			CAPACITY, Refill:					
2004:			Liters					
w/4-speed			Pt					
2004:			FJ Cruiser: 2007-14					
w/5-speed			RAV4:					
2005-15			2004-05:					
FJ Cruiser: 2007-14			2WD					
Highlander:			4WD					
2004-07 ex. 2006-07 Hybrid			Tacoma:					
2006-15 Hybrid			2.4L:					
2008-15			2004:					
Land Cruiser:			2WD					
2004-11, 2013-15			4WD					
RAV4:			2.7L:					
2004-05			2004-05:					
2006-15 ex. Hybrid			2WD					
2012-14 Hybrid			4WD					
Sequoia:			3.4L 4WD					
2004			4.0L:					
2005-15			2005:					
Tacoma:			2WD					
2004:			4WD					
2.4L			2006-15					
2.7L, 3.4L			Tundra:					
2005-07			2004:					
2008-15:			2WD					
4-speed			4WD					
5-speed			2005-06					
Tundra:			2008-09 Auto Trans					
2004			Manual Trans					
2005-15			2004-09 4-Runner					
Venza 2009-15			2010-15 4Runner, FJ Cruiser					
CAPACITY, Initial Refill ^{1, 2} :			2007 FJ Cruiser					
4Runner:			w/Part Time 4WD					
2004:			w/Full Time 4WD					
4-speed			2004-15 Highlander, 2009-15 Venza					
5-speed			Above 0° F (-18°C)					
2005-07 5-speed			Below 0° F (-18°C)					
2008-09			2014-15 Highlander					
2010-11 4-cyl			2008-10 Land Cruiser					
2010-15 V6			2011, 2013-15 Land Cruiser					
FJ Cruiser 2007-14			RAV4					
Highlander:			All temperatures					
2004-10: 2WD			2004-05:					
4WD			Above 0° F (-18°C)					
2011-13 ex. 6-speed			Below 0° F (-18°C)					
2009-15 6-speed (total fill)			2006:					
			Above 0° F (-18°C)					
			Below 0° F (-18°C)					
			2007-08:					
			Above 0° F (-18°C)					
			Below 0° F (-18°C)					
			2009-12:					
			Above 0° F (-18°C)					
			Below 0° F (-18°C)					
			2013-15					
			Sequoia:					
			2004					
			2005-15					
			2014-15 Tundra					
			All Others					
			All temperatures					
			CAPACITY, Refill:					
			Liters					
			Pt					
			4Runner:					
			2004-09					
			2010-15: Fulltime					
			Parttime					
			FJ Cruiser:					
			2007: Part Time					
			Full Time					
			2008-14: w/AT					
			w/MT					
			Highlander: 2004-13					
			2014-15					
			Land Cruiser					
			2008-11, 2013-15					
			RAV4:					
			2004-06					
			2007-15					
			Sequoia:					
			2004					
			2005-15					
			Tacoma					
			Tundra: 2004-06					
			2007-13					
			2014-15					
			Venza 2009-15					
			DIFFERENTIAL					
			4Runner:					
			2004-08					
			4.0L: Front					
			Rear					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			4.7L					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2009-15					
			FJ Cruiser:					
			2007					
			Front:					
			Full Time 4WD					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			Part Time 4WD					
			Rear					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2008-14					
			Highlander: 2004-13					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2014-15					
			Land Cruiser:					
			2004-07:					
			Front:					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			Rear:					
			w/Limited Slip:					
			Above 0° F (-18°C)					
			Below 0° F (-18°C)					
			w/o Limited Slip:					
			Above 0° F (-18°C)					
			Below 0° F (-18°C)					
			2008-11:					
			All temperatures					
			2013-15					
			RAV4 ² :					
			2004-05					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2006					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2007					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2008-12					
			Below 0° F (-18°C)					
			Above 0° F (-18°C)					
			2013-15					

CARS & LIGHT TRUCKS

TOYOTA Continued • VOLKSWAGEN

Sequoia:		
2004-07:		
Front	GL-5	
All temperatures	.75W-90	
Rear	GL-5	
All temperatures	Synthetic 75W-140	
2008-15	.75W-85	GL-5
Tacoma:		
2004-08:		
Front	GL-5	
All temperatures	.75W-90	
Rear	GL-5	
w/limited slip	GL-5★	
Below 0°F (-18°C)	.80W, 80W-90	
Above 0°F (-18°C)	.90	
2009-15 Front, Rear	.75W-85	GL-5
Tundra:		
2004-06:		
Front	GL-5	
All temperatures	.75W-90	
Rear	GL-5	
w/o Limited Slip	GL-5	
All temperatures	Synthetic 75W-140	
w/Limited Slip	GL-5★	
Above 0°F (-18°C)	.90	
Below 0°F (-18°C)	.80W, 80W-90	
2007-15	.75W-85	GL-5
Venza		
2009-14:		
Below 0°F (-18°C)	.80W, 80W-90	
Above 0°F (-18°C)	.90	
2015 All temperatures	.75W-85	GL-5
CAPACITY, Refill:		
	Liters	Pt
4Runner:		
2004-05:		
Front:		
6-cyl	1.5	3.2
8-cyl	1.4	2.8
Rear	3.1	6.4
2006-08:		
Front	1.4	2.95
Rear	3.0	6.3
2009:		
Front:		
Full Time 4WD	1.4	2.95
Part Time 4WD	1.55	3.3
Rear:		
w/locker	2.95	6.2
w/o locker	3.05	6.4
2010-15		
Front:		
Part Time	1.55	3.3
Full Time	1.4	2.95
Rear:		
w/locking diff	2.65	5.6
w/o locking diff	2.7	5.7
FJ Cruiser:		
Front:		
2007:		
Part Time 4WD	1.5	3.2
Full Time 4WD	1.4	2.95
2008-14:		
w/AT	1.55	3.3
w/MT	1.4	2.95
Rear:		
2007-09:		
w/locking diff	2.9	6.1
w/o locking diff	3.0	6.2
2010-14:		
w/locking diff	2.45	5.2
w/o locking diff	2.5	5.3
Highlander: 2004-13	0.9	1.9
2014-15	0.5	1.0
Land Cruiser:		
2004:		
Front	1.6	3.4
Rear		
w/o locking diff.	3.3	7.0
w/limited-slip	3.2	6.8
2005-07:		
Front	1.6	3.6
Rear	3.3	7.0
2008-15:		
Front	1.9	4.0
Rear	4.2	8.8
RAV4: 2004-06 ²	0.9	1.9
2007-15 ²	0.5	1.1
Sequoia:		
2004: Front		
	1.2	2.5
Rear	3.7	7.8
2005-07:		
Front	1.2	2.5
Rear:		
2WD	3.9	8.2
4WD	3.7	7.8
2008-15: Front	2.1	4.4
Rear	1.6	3.4

CAPACITY, Refill:	Liters	Pt
Tacoma:		
Front: 2004 ex. Pre runner		
	1.2	2.5
2005-15		
	1.5	3.2
Rear:		
2004:		
2.4L 2WD ex. Pre runner	1.4	2.8
2.7L Short wheelbase:		
Standard	2.6	5.5
Limited slip	2.7	5.6
2.7L X-long wheelbase:		
Standard	2.5	5.3
Limited slip	3.0	6.2
3.4L 2WD ex. Pre runner	2.6	5.5
2005-08:		
2WD ex. Pre runner	3.3	7.0
4WD, Pre runner:		
w/o locking diff.	2.8	5.9
w/locking diff	3.0	6.2
2009:		
2WD ex. Pre runner	3.3	7.0
4WD, Pre runner	2.8	5.9
2010-15: 2WD ex. Pre runner	3.5	7.4
4WD & Pre runner	2.9	6.1
Tundra:		
2004-06:		
Front	1.2	2.5
Rear:		
2WD:		
w/o limited slip	3.8	8.0
w/limited slip	3.2	6.8
4WD:		
w/o limited slip	3.5	7.4
w/limited slip (2004-05)	3.0	6.2
w/limited slip (2006)	2.9	6.1
Double Cab:		
w/o limited slip	4.0	8.4
w/limited slip	3.3	7.0
2007-15:		
Front	2.1	4.4
Rear 4.0L, 4.6L, 4.7L:		
standard bed	4.0	8.4
long bed, double & crew cab	4.6	9.7
5.7L: reg cab, std bed	3.5	7.4
reg cab, long bed, crew cab 4WD	3.6	7.6
double cab, std bed	3.6	7.6
double cab long bed, crew cab		
2WD	3.75	7.9
Venza 2009-15	0.5	1.1

1 Toyota Genuine Gear Oil LT or equivalent.
2 RAV 4, applies to 4WD models only.

OTHER COMPONENTS

Brake & Clutch Master Cylinder	HB
Power Steering	AF2, AF3
Wheel Bearings, 4WD Steering	
Knuckle & Propeller Shafts	LM

VOLKSWAGEN

2004-15 ALL DIESEL MODELS

2004-15 TOUAREG DIESEL

CRANKCASE

2004-05	SE005
2006-15	SE006
2004:	
ex. Energy conserving oils:	
All temperatures	.5W-50, 10W-50, 10W-60
Above 5°F (-15°C)	.15W-40, 15W-50, 20W-40, 20W-50
Below 60°F (15°C)	.5W-30, 5W-40, 10W-30, 10W-40
Energy conserving oils:	
All temperatures	.5W-30, 5W-40, 10W-30, 10W-40
2004-05: All temperatures	.5W-40
2006-15	.5W-30
Touareg:	
2004-05 All temperatures	.5W-30, 5W-40
2006-10 All temperatures	.0W-40, 5W-30, 5W-40
2011-15	.5W-30

CAPACITY, Refill:	Liters	Qt
Beetle 2013-14	4.3	4.5
2015	5.5	5.8
Golf, Jetta, New Beetle: 2006	4.3	4.5
Golf, Jetta: 2009	4.0	4.2
2010-11	4.3	4.5
Golf, Jetta, Passat: 2012-14	4.3	4.5
2015	5.5	5.8
Touareg:		
2004-07	11.5	12.0
2008	13.5	14.3
2009-11	8.3	8.8
2012	8.1	8.6
2013-15	7.7	8.1
Others	4.5	4.7

CAPACITY, Refill:	Liters	Qt
2004-05	2.0	4.2
2006 Golf w/02J	2.0	4.2
2009-15 Golf, Jetta, 2012-15 Passat:		
2013-15 Beetle w/02Q	2.3	4.8
2006 Jetta w/0A4	1.9	4.0

1 Capacity shown includes filter. After refill, check oil level. To prevent overfilling, add approximately .5 qt. less than capacity. Start engine & operate until temperature is approximately 140°F (60°C). Turn off ignition switch & wait 3 minutes. Check oil level with dipstick. Add oil as necessary.

DIESEL EXHAUST FLUID

All	DEF	
CAPACITY, Refill:	Liters	Gal
2015 Beetle	14.7	3.3
2012 Passat	18.5	4.3
2013-14 Passat	19.5	5.2
2015 Passat	18.5	4.3
2009-10 Touareg	16.7	4.4
2011-12 Touareg	18.0	4.75
2013-15 Touareg	20.0	5.3

TRANSAXLE, Automatic

2013-15 Beetle, 2009-14 Golf, 2009-15 Jetta,		
2012-15 Passat 02E trans	SL007	
2006 Golf 01M trans	AE	
2015 Golf	SL007	
2006 Jetta 02E trans	SL006	
2006 Jetta 09G trans	SL007	
2006 New Beetle 02E trans	SL007	
Touareg: 2004-10	TIV	
2011-15	SL015	
09A Trans	SL011	

Others AE1

CAPACITY, Initial Refill ² :	Liters	Qt
09A Trans	2.5	2.6
ex. 09A Trans	3.0	3.2
2006 Golf w/01M	5.3 ³	5.6 ³
2009-14 Golf, 2009-15 Jetta, 2012-15 Passat,		
2013-15 Beetle w/02E	5.2	5.5
2015 Golf	5.2	5.5
2006 Jetta w/02E	5.2	5.5
2006 Jetta w/09G	7.0 ³	7.4 ³
2006 New Beetle w/02E	5.2	5.5
Touareg (Total Fill): 2004-10	9.0	9.5
2011-15	10.43, 4	11.3, 4

1 Final drive serviced separately.
2 Add specified quantity. With engine at operating temperature, w/096 transmission, temperature must be 140°F (60°C). Shift transmission through all gears. Check level in PARK and add fluid as needed. All models do not have a dipstick.

3 Total fill.

4 Capacity varies from 10.4L/11.0 Qt to 12.8L/13.5 Qt dependent on engine size.

TRANSAXLE, Manual

2004-05	GL-4 ¹
2006-15:	
w/0A4	.75W Synthetic GL-4 ²
w/02Q ex 2015 Beetle, Golf	SL138
2015 Beetle	Synthetic 75W-80 GL-4, GL-5 ⁴
2015 Golf	.75W Synthetic GL-4 ³

CAPACITY, Refill:	Liters	Pt
2004-05	2.0	4.2
2006 Golf w/02J	2.0	4.2
2009-15 Golf, Jetta, 2012-15 Passat:		
2013-15 Beetle w/02Q	2.3	4.8
2006 Jetta w/0A4	1.9	4.0

1 If not available, 80W GL-4 may be used.
2 VW recommends the use of manual transmission fluid VW P/N G 070 726 A2.

3 Use P/N G 052 512 A2.

4 Use P/N G 052 527 A2.

FINAL DRIVE w/AT

All models	GL-4
All temperatures	Synthetic 75W-90
CAPACITY, Refill:	
All FWD w/AT	0.8
	1.3

DIFFERENTIAL, Front

Touareg: 2004-15	Synthetic 75W-90	GL-4
All temperatures		
CAPACITY, Refill:		
2004-10	1.0	2.1
2011-15	0.8	1.7

DIFFERENTIAL, Rear

Touareg:		
w/o Locking Differential:		
2004-09	Synthetic 75W-90	GL-4
2010	Synthetic 75W-90	GL-4
2011-15	Synthetic 75W-90	GLS05
w/Locking Differential:		
2004-09		GLS05
2010	Synthetic 75W-90	GL-4

CAPACITY, Refill:	Liters	Pt
Touareg:		
2004-05	1.0	2.1
2006-07: w/GLR diff	1.25	2.5
w/HLV diff	1.6	3.3
2008-09: w/o EDL diff	1.25	2.5
w/EDL diff	1.6	3.3
2010: w/o EDL diff	1.25	2.5
w/EDL diff	1.6	3.3
2011-13 w/o EDL diff	1.25	2.5
2014-15: w/o EDL	0.9	1.7
w/EDL	1.25	2.5

TRANSFER CASE

2004-05	AE
2006-15	GLS07

CARS & LIGHT TRUCKS

VOLKSWAGEN Continued • VOLVO

CAPACITY, Refill:	Liters	Pt
Touareg: 2004-10	0.85	1.7
2011-13 w/1C	0.85	1.7
2011-13 w/BU	0.6	1.3
2014-15: OBV	0.85	1.9
OBV	0.6	2.6

OTHER COMPONENTS

Brake Fluid Reservoir	HBH
Power Steering Reservoir:	
Touareg	PS005

2004-15 ALL GASOLINE MODELS CRANKCASE

2004:	
1.8L Passat, 1.8L Turbo	SEO03
All others	
ex. 2004 w/VIN code R, Phaeton	API*
2004 VIN code R, Phaeton	SEO03
2005-15 ex. Routan	SEO03
2009-12 Routan	API*
2004-15 ex. 2009-12 Routan:	
All temperatures	.0W-40, 5W-30, 5W-40

2009-10 Routan:	
3.8L All temperatures	.5W-20
4.0L All temperatures	.10W-30
2011-12 Routan	.5W-30

1.4L CAPACITY, Refill¹:

	Liters	Qt
1.8L Hybrid	4.0	4.2
1.8L Turbo:		
Golf, GTI, Jetta, New Beetle:		
2004	4.5	4.8
2005: Beetle	4.2	4.4
Others	4.5	4.8
2006	4.5	4.8
2014-15	5.5	5.8
Passat:		
2004	4.0	4.2
2005	4.1	4.3
2014-15	5.5	5.8

2.0L:		
2004	4.0	4.2
2005-07	4.2	4.4
2008-11 ex. 2011-12 Jetta	4.6	5.0
2012-13 Beetle	4.6	4.9
2014-15 Beetle	5.5	5.8
2012-14 CC, EOS, Golf, GTI, Jetta Turbo	4.6	4.9
2015 CC, EOS, Tiguan	4.7	4.9
2015 Golf, GTI, Jetta Turbo	5.7	6.0
2011 Jetta	4.5	4.8
2012-13 Jetta Non-Turbo	4.5	4.8
2015 Jetta Non-Turbo	3.6	3.8
2012-14 Tiguan	4.6	4.9

2.5L:		
2006-09 ex. 2008-09 Rabbit	6.0	6.3
2008-09 Rabbit	5.5	5.8
2010 Beetle, Jetta	6.0	6.3
2010-12, 2014 Golf	5.5	5.8
2013 Golf	6.0	6.3
2011 Jetta	5.8	6.1
2011-14 Jetta SportWagen, 2012-14 Jetta, Passat	6.0	6.3

2.8L:		
GTI, Jetta 2004-05	5.5	5.8
Passat:		
2004: FWD	6.0	6.3
AWD	5.0	5.7
2005	6.0	6.3
Phaeton: V-3	7.5	7.9
W-12	11.8	12.5

3.0L:		
2011 Touareg	6.2	6.6
2012	8.3	8.7
2013-15	6.8	7.2

3.2L:		
EOS	5.5	5.8
Touareg	6.3	6.7

3.6L:		
CC 2009-15	5.5	5.8
Passat 2012	6.0	6.3
Passat 2013-15	5.5	5.8
Routan 2011-12	5.6	6.0
Touareg: 2007	6.9	7.3
2008-11	6.3	6.7
2012	6.9	7.3
2013-15	6.7	7.1
Others 2006-07	6.0	6.3

3.8L:		
2009-10 Routan	4.7	5.0

4.0L:		
2009-10 Routan	5.2	5.5

4.2L:		
2004	8.5	9.0
2005	7.6	8.0
2006	7.5	7.9
2007	9.1	9.6
2008-09	8.5	9.0

¹ Capacity shown includes filter. After refill, check oil level. To prevent overfilling add approximately .5 qt less than capacity. Start engine & operate until temperature is approximately 140°F (60°C). Turn off ignition switch and wait 3 minutes. Check oil level with dipstick. Add additional oil as necessary.

TRANSMISSION/TRANSAXLE, Automatic¹

2015 Beetle w/09G	SL015
02E DSG Trans	SL007
Golf, Jetta 5-speed 09A trans	SL011
Beetle, CC, Golf, GTI, Jetta, Passat, Rabbit 09G ex. 2015 Beetle	TIV
2009-14 Jetta Wagon w/09G	TIV
2011-15 Jetta w/09G Gen2	SL015
2013 OCG Trans	SL007
2014-15 OCG Trans	Synthetic 75W GL-4 ⁵
2015 Golf, GTI w/09D	SL007
CC, Passat, Tiguan 09M	TIV
Phaeton 09L trans	SL012
Routan	AP4
Touareg 6-speed 09D trans	TIV
Touareg 8-speed 0C8 trans	SL015
Others	AE

CAPACITY, Initial Refill ² :	Liters	Qt
OCG 7-speed	1.7	1.8
2015	2.1	2.2
Beetle 02E	4.5	4.7
Beetle, Golf, GTI, Jetta, 09G 2005	7.0 ³	7.4 ³
Beetle, Jetta w/02E 2006-09	5.2 ³	5.5 ³
Beetle, CC, Jetta, Passat, Rabbit w/09G 2006-10	7.0 ³	7.4 ³
Beetle, Passat w/09G 2012-15	3.0	3.2
CC, EOS, Golf, GTI, Jetta, Passat w/02E 2010	5.2	5.5
CC, EOS, Golf, GTI, Jetta, w/02E 2011-15, 2012-15 Beetle	5.2	5.5
CC, Tiguan w/09M 2009-15	7.0 ³	7.4 ³
EOS w/09G	7.0	7.4
Golf, GTI w/01M 2006-09	3.0	3.2
Golf, GTI w/09A 2006-09	7.0 ³	7.4 ³
Golf, GTI w/09G 2010-15	7.0 ³	7.4 ³
Golf, GTI w/ 09D 2015	5.2	5.5
Golf, Jetta:		
4-speed 01M	5.3 ³	5.6 ³
5-speed 09A trans	2.5	2.6

Jetta:		
2011-15 w/09G Gen 1	7.0 ³	7.4 ³
2011-15 w/09G Gen 2	6.1 ³	6.4 ³
Passat:		
2004-05	2.6	2.7
2006-10 Passat w/09M	7.03	7.43
2012-15 w/02E	5.2	5.5
Phaeton	9.8 ³	10.3 ³
Routan w/LGG	5.2	5.5
Touareg	9.0 ³	9.5 ³
Touareg w/09G 2006-10	9.0 ³	9.5 ³
Touareg w/0C8 2011-15	10.4 ^{3,4}	11.0 ^{3,4}
All other models	3.0	3.2

- Final drive service separately.
- All models do not have a dipstick.
- Total fill.
- Capacity varies from 13.4L/11.0 Qt to 12.8L/13.5 Qt dependent on engine size.
- VW P/N G 052 512 A2

TRANSAXLE, Manual

2003-09	GL-4
2010-15 w/02Q ex. 2015 Beetle, Golf, GTI	SL138
2015 Beetle	Synthetic 75W-80 GL-4, GL-5 ²
2015 Golf, GT	Synthetic 75W GL-4 ³

w/0A4:	
Beetle:	
2006	.75W-90 GL-4
2007-14	Synthetic 75W GL-4 ¹
2015	Synthetic 75W-80 GL-4, GL-5 ²
Golf:	
2010-15	.75W GLS07

Rabbit, Jetta:	
2006-07	Synthetic 75W GL-4 ¹
2008-13	.75W GLS07
2014-15	Synthetic 75W GL-4 ¹
Passat 2012-15	Synthetic 75W GL-4 ³

CAPACITY, Refill:	Liters	Pt
Beetle:		
w/0A4 trans ex. 2015	1.8	3.8
2015	1.9	4.0
2005-09:		
Golf, GTI, Jetta, EOS		
02M, 02Q trans	2.3	4.9
Golf, GTI, Jetta w/02J trans	2.0	4.2
Jetta, Rabbit w/0A4 trans	1.9	4.0
New Beetle 1.8L Turbo 02M	2.3	4.9
Passat	2.3	4.9
2010-15:		
CC, EOS, Golf, GTI, Jetta, 2012-15 Beetle		
w/02Q trans	2.3	4.9
Golf, Jetta, 2012-15 Passat w/0A4 trans	1.7	3.6
Tiguan w/0A6	2.3	4.9
2012-15 Jetta w/0AF	2.0	4.2
R32	2.6	5.5
Others	2.0	4.2

- VW recommends the use of manual transmission fluid VW P/N G 070 726 A2.
- VW recommends the use of manual transmission fluid VW P/N G 052 527 A2.
- VW recommends the use of manual transmission fluid VW P/N G 052 512 A2.

FINAL DRIVE, w/AT (ex. 09A Trans.)

All models	GL-4
All temperatures	Synthetic 75W-90
CAPACITY, Refill:	Liters Pt
All FWD w/AT	0.8 1.6
2014-15 EOS	0.9 1.9
Eurovan	1.1 2.4
Touareg	1.0 2.2

TRANSFER, GEARBOX

Passat	GL-4
All temperatures	Synthetic 75W-90
Touareg:	
2004-05	AE
2006-15	GLS07

CAPACITY, Refill:	Liters	Pt
Passat	0.8	1.7
Touareg: 2004-10	0.8	1.7
2011-13 w/01C	0.85	1.7
2011-13 w/0BU	0.60	1.3
2014-15 w/OBV	0.85	1.9
2014-15 w/OBU	0.6	1.3

BEVEL BOX

CC, Tiguan 2010-15, 2012-15 Golf, GTI, Jetta Hybrid	Synthetic 75W-90 GL-4
2009 Tiguan	TIV
CAPACITY, Refill:	Liters Pt
All	0.9 1.9

HALDEX CLUTCH

CC 2008-15	GLS09
Passat 2008-10	SL007
R32 2008, Tiguan	GLS09
CAPACITY, Refill:	Liters Pt
All w/09M trans	0.7 1.5
R32 2008	0.65 1.4

REAR DIFFERENTIAL, 4WD

Passat	GL-5
All temperatures	.90
CAPACITY, Refill:	Liters Pt
Passat	1.5 3.2

DIFFERENTIAL, Front

Touareg 2004-15	GL-4
All temperatures	Synthetic 75W-90
CAPACITY, Refill:	Liters Pt
2004-10	1.0 2.1
2011-15	0.8 1.7

DIFFERENTIAL, Rear

CC, Tiguan	Synthetic 75W-90 GL-4
Touareg:	

2004-09 w/o locking differential	GL-4
2004-09 w/locking differential	GLS05
2010 w/o locking differential	GL-4
2010 w/locking differential	GL-4
2011-15 w/o locking differential	GLS05

CAPACITY, Refill:	Liters	Pt
CC, Tiguan: 2009-15	0.95	2.0

Touareg:	
2004-05	1.0 2.1
2006-07: w/GLR dif	1.25 2.6
w/HLV dif	1.6 3.3
2008-09: w/o EDL dif	1.25 2.6
w/EDL dif	1.6 3.3
2010: w/o EDL dif	1.25 2.6
w/EDL dif	1.6 3.3
2011-13 w/o EDL dif	1.25 2.6
2014-15 w/o EDL	0.9 1.7
w/ EDL	1.25 2.6

OTHER COMPONENTS

Brake Fluid Reservoir	HBH
Clutch Fluid Reservoir	HBH
Power Steering Fluid Reservoir:	
All ex. Routan	PS005
Routan	AP4

VOLVO

2004-07

CRANKCASE	API*
-4° to 104°F (-20° to 40°C)	.10W-30
Below 86°F (30°C)	.5W-30
Below 104°F (40°C), S40 & V40	.5W-40
2007 V50	.5W-30

CAPACITY, Refill ¹ :	Liters	Qt
C70, 5-cyl: 2004-05	5.8	6.1
2006: w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.8	6.1
S40, V40:		
1.9L Turbo	5.4	5.7
2.4L w/oil level sensor	5.5	5.8

CARS & LIGHT TRUCKS

VOLVO Continued

CAPACITY, Refill ¹ :	Liters	Qt
2.5L:		
Non-Turbo	5.8	6.1
Turbo:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007 S40 w/2.4L, 2.5L	5.8	6.1
S60: 2004:		
Non-Turbo	5.5	5.8
Turbo	5.8	6.1
2005-06:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.8	6.1
S60R:		
2004 2.5L Turbo	5.2	5.5
2005-06: w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.5	5.8
S80:		
2004-06 2.5L Turbo:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2005 2.9L	6.7	7.1
2007: 3.2L	7.7	8.1
4.4L	6.7	7.1
V50:		
2005-06 2.4L, 2.5L Turbo:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.8	6.1
V70:		
2004:		
Non-Turbo	5.5	5.8
Turbo	5.8	6.1
2005-06:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.8	6.1
V70R:		
2004: 2.5L Turbo	5.2	5.5
2005:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2006-07	5.5	5.8
XC70:		
2004 2.5L Turbo	5.8	6.1
2005-06:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2007	5.8	6.1
XC90:		
2004: 2.5L Turbo	6.6	7.0
2.9L Turbo	7.2	7.6
2005-06:		
w/oil level sensor	5.5	5.8
w/o oil level sensor	5.8	6.1
2006 4.4L	6.6	7.0
2007 4.4L	6.7	7.1

1 Capacity shown includes filter. After refill, check oil level. On models with oil cooler, additional oil may be needed if cooler is drained.

TRANSMISSION/TRANSAXLE, Automatic

C70:		
2004-07		TIV
S40, V40:		
2004-07 AW55-50/SI SN		TIV
S60, S60R:		
AW55-50SN		TIV
AW50AWD		TIV
S70:		
AW50-42		AF3
AW55-50SN		TIV
AW42AWD		AF3
S80:		
4T65EV		AF3
2005-06: AW50/51 AWD		TIV
AW55-50SN		TIV
2007 TF-80SC		TIV
V50, V70, V70R, XC70:		
2004-07: AW50AWD		TIV
AW55-50SN		TIV
2007 TF-80SC		TIV
XC90:		
4T65AWD		AF3
AW50AWD		TIV
2006-07 TF80SCAWD		TIV

CAPACITY, Initial Refill ¹ :	Liters	Qt
C70:		
2004-07 AW55-50	7.6 ²	8.0 ²
S40 2004-07	7.6 ²	8.0 ²
S60:		
2004-05 AW55-50	7.2 ²	7.6 ²
2006-07 AW55-50/51	7.1 ²	7.5 ²
S60R:		
2004-05:		
AW55-50	7.2 ²	7.6 ²
AW50	7.1 ²	7.5 ²
2006-07 TF-80SCAWD	6.7 ²	7.1 ²

CAPACITY, Initial Refill ¹ :	Liters	Qt
S80:		
2004 4T65EV	7.5 ²	7.9 ²
2005:		
4T65EV-GT	11.9 ²	12.5 ²
AW50/51AWD	7.2 ²	7.6 ²
AW55-50SN	7.2 ²	7.6 ²
2006:		
AW50/51AWD	7.2 ²	7.6 ²
AW55-50SN	7.2 ²	7.6 ²
TF-80SC	6.7 ²	7.1 ²
V50:		
2005:		
AW55-50	7.6 ²	8.0 ²
AW50/51AWD	7.2 ²	7.6 ²
2006-07	7.6 ²	8.0 ²
V70:		
2004 AW55-50	7.5 ²	7.9 ²
2005-07	7.1 ²	7.5 ²
V70R:		
2004 AW55-50	7.5 ²	7.9 ²
2005 AW55-50	7.1 ²	7.5 ²
2006-07 TF80SC	6.7 ²	7.1 ²
XC70:		
2004	7.5 ²	7.9 ²
2005	7.2 ²	7.6 ²
2006	7.1 ²	7.5 ²
XC90:		
2004-05:		
AW50/51AWD	7.2 ²	7.6 ²
AW55-50SN	7.2 ²	7.6 ²
4T65AWD	11.9 ²	12.5 ²
2006-07:		
AW50/51AWD	7.1 ²	7.5 ²
AW55-50/51	7.1 ²	7.5 ²
TF-80SCAWD	6.7 ²	7.1 ²

1 With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.

2 Total capacity.

TRANSAXLE, Manual

2004-05 C70, S70, V70	GLS73
2006-07 C70, S40, S60, S60R, V50, V70	GLS76
2004-05 S40, S60	GLS76
CAPACITY, Refill:	Liters Pt
5-Speed	2.1 4.4
6-Speed	2.0 4.2

TRANSFER CASE, 4WD

AWD bevel gear	
CAPACITY, Refill:	Liters Pt
2004-07	0.8 1.6
2005-07 w/AOC	0.8 1.6
DIFFERENTIAL	
4WD Rear	GL-5★
CAPACITY, Refill:	Liters Pt
2006 S60, S80	0.7 1.5
2007 S60	0.7 1.5
2004 S70, V70	1.4 3.0
2005-07 V70	0.7 1.5
2004-07 XC70	0.7 1.5

OTHER COMPONENTS

Power Steering	PS006
Brake Master Cylinder	HBH

2008-13 C30, C70, S40, V50

CRANKCASE	SL, API★
2008-12	SE001
2013	SE001
2008-12 ² :	
Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40
2013 ⁴ :	
Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30
CAPACITY, Refill ² :	Liters Qt
All	5.8 6.1
1 Preferred.	
2 Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.	
3 Capacity shown is with filter. After refill, check oil level.	
4 SAE 0W-30 is recommended for driving in areas with sustained low temperatures.	

TRANSAXLE, Automatic

All	TIV
CAPACITY, Total fill ¹ :	Liters Qt
2008-09	7.75 8.2
2010-13	7.7 8.1

1 Total or dry fill shown.

TRANSAXLE, Manual

2008-09	GLS79
2010-13	SL019
CAPACITY, Refill:	Liters Pt
C30: 2008-09	2.0 4.2
2010-13	1.9 4.0
2008-10 C70	2.0 4.2
S40, V50: 5-Speed	2.1 4.4
6-Speed w/Turbo	2.0 4.2
V50 w/o Turbo	2.1 4.4

TRANSFER CASE

All	GLS78
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CAPACITY, Refill:	Liters	Pt
2008-10	0.8	1.6
OTHER COMPONENTS		
Brake/Clutch Fluid Reservoir		HBH
Power Steering Reservoir		PS026

2008-09 S60

CRANKCASE	SL, API★
Below 86°F (30°C)	.5W-30 ^{1,2}
CAPACITY, Refill ² :	Liters Qt
2008	5.5 5.8
2009	5.8 6.1

1 Preferred.

2 Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.

3 Capacity shown is with filter. After refill, check oil level.

TRANSAXLE, Automatic

All	TIV
CAPACITY, Total fill ¹ :	Liters Qt
All	7.2 7.6

1 Total or dry fill shown.

TRANSAXLE, Manual

All	GLS55
CAPACITY, Refill:	Liters Pt
All	2.0 4.2
DIFFERENTIAL	GLS75
CAPACITY, Refill:	Liters Pt
All	0.5 1.1

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	HBH
Power Steering Reservoir	PS006

2011-15 S60, V60

CRANKCASE	API★
2011-12	SE001
2013-15	SE001
2011-12 ² :	
Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40 ¹
2013-14 ⁴ :	
Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ¹
2015:	
Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ⁵

1 Preferred.

2 Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.

3 Capacity shown is with filter. After refill, check oil level.

4 SAE 0W-30 is recommended for driving in areas with sustained low temperatures.

5 SAE 5W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only: Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

6 SAE 0W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only: Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

7 SAE 0W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only: Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

8 SAE 0W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only: Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

TRANSAXLE, Automatic

All	SL106
CAPACITY, Total fill:	Liters Qt
All ex. TG-81SC	7.0 7.4
2015 TG-81SC	6.6 7.0

TRANSFER CASE¹

All	GLS78
CAPACITY, Refill	Liters Pt
2011	0.7 ² 1.5 ²
2012-15	NS ² NS ²

1 Also known as a bevel gear.

2 After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

DIFFERENTIAL

CAPACITY, Refill:	Liters Pt
2011	0.7 1.5
2012-15	NS ¹ NS ¹

1 After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

OTHER COMPONENTS

Brake Master Cylinder	HBH
Power Steering	PS026

2008-10 V70

CRANKCASE	API★ ³
Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ²
-13°F to 104°F (-25°C to +40°C)	.5W-40 ²
CAPACITY, Refill ¹ :	Liters Qt
V70: 2008-10	7.4 7.8

1 Capacity is shown with filter. After refill, check oil level. On models with oil cooler additional oil may be needed if cooler is drained.

2 Preferred.

3 Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.

CARS & LIGHT TRUCKS

VOLVO Continued

TRANSMISSION/TRANSAXLE, Automatic

2008-10 V70	.TIV	
CAPACITY, Initial Refill ¹ :	Liters	Qt
2008-09	7.0 ²	7.4 ²
2010	5.5 ²	5.8 ²

- With engine at operating temperature, shift transmission through all gears. Check fluid level in PARK and add fluid as needed.
- Total capacity.

DIFFERENTIAL .GLS75

CAPACITY, Refill:	Liters	Pt
All	0.7	1.5

OTHER COMPONENTS

Brake Fluid Reservoir	.HBH
Power Steering Reservoir	.PS026
2008-10	.PS026

2008-15 S80

CRANKCASE

2008-12	.SL, API*
2013-15	.SEO01

2008-12²:

Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40

2013-14⁴:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ¹

2015:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ⁵

CAPACITY, Refill ³ :	Liters	Qt
2008-10: 3.0L	7.4	7.8
3.2L	7.3	7.7
V8	7.0	7.4
2011-15: 2.0L	5.4	5.7
3.0L	6.8	7.2
3.2L	6.8	7.2

- Preferred.
- Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.
- Capacity shown is with filter. After refill, check oil level.
- SAE 0W-30 is recommended for driving in areas with sustained low temperatures.
- SAE 5W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only. Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

TRANSAXLE, Automatic

TF-80SC: 2008-09	.TIV
2010	.TIV ²
2011-15	.SL106

CAPACITY, Total fill ¹ :	Liters	Qt
TF-80SC	7.0	7.4
2015 TG-81SC	6.6	7.0

- Total or dry fill shown.
- TF-80SC Generation 1 transmissions use Volvo P/N 1161 540.

TRANSFER CASE¹

All	.GLS78	
CAPACITY, Refill	Liters	Pt
2008-11	0.8 ²	1.6 ²
2012-15	NS ²	NS ²

- Also known as a bevel gear.
- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

DIFFERENTIAL .GLS75

CAPACITY, Refill:	Liters	Pt
2008-11	0.7	1.5
2012-15	NS ¹	NS ¹

- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	.HBH
Power Steering Reservoir	.PS026

2008-15 XC70

CRANKCASE

2008-12	.SL, API*
2013-15	.SEO01

2008-12²:

Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40

2013-14⁴:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ¹

2015:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ⁵

CAPACITY, Refill ³ :	Liters	Qt
2008-10	7.4	7.8
2011-15	6.8	7.2
2.0L	5.4	5.7

- Preferred.
- Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.
- Capacity shown is with filter. After refill, check oil level.
- SAE 0W-30 is recommended for driving in areas with sustained low temperatures.

- SAE 5W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only. Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

TRANSAXLE, Automatic

TF-80SC: 2008-09	.TIV
2010	.TIV ²
2011-15	.SL106

CAPACITY, Total fill ¹ :	Liters	Qt
TF-80SC	7.0	7.4
2015 TG-81SC	6.6	7.0

- Total or dry fill shown.
- TF-80SC Generation 1 transmissions use SL119.

TRANSFER CASE¹

All	.GLS78	
CAPACITY, Refill	Liters	Pt
2008-11	0.8 ²	1.6 ²
2012-15	NS ²	NS ²

- Also known as a bevel gear.
- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

DIFFERENTIAL .GLS75

CAPACITY, Refill:	Liters	Pt
2008-11	0.7	1.5
2012-15	NS ¹	NS ¹

- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	.HBH
Power Steering Reservoir	.PS026

2008-14 XC90

CRANKCASE

2008-12	.SL, API*
2013-14	.SEO01

2008-12²:

Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40

2013-14⁴:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ¹

CAPACITY, Refill ³ :	Liters	Qt
2008-10: 3.2L	7.3	7.7
V8 AWD	6.7	7.1
2011-14: 3.2L	6.8	7.2
4.2L	6.7	7.0

- Preferred.
- Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (hot or cold), when towing a trailer over long distances, and when driving in mountainous areas.
- Capacity shown is with filter. After refill, check oil level.
- SAE 0W-30 is recommended for driving in areas with sustained low temperatures.

TRANSAXLE, Automatic

TF-80SC	.TIV
2014	.SL106

CAPACITY, Total fill ¹ :	Liters	Qt
TF-80SC	7.0	7.4

TRANSFER CASE¹

All	.GLS78	
CAPACITY, Refill	Liters	Pt
2008-11	0.8 ²	1.6 ²
2012-14	NS ²	NS ²

- Also known as a bevel gear.
- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

DIFFERENTIAL .GLS75

CAPACITY, Refill:	Liters	Pt
2008-11	0.7	1.5
2012-14	NS ¹	NS ¹

- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

OTHER COMPONENTS

Brake/Clutch Fluid Reservoir	.HBH
Power Steering Reservoir	.PS006

2010-15 XC60

CRANKCASE

2010-12	.API*
2013-15	.SEO01

2010-12²:

Below 104°F (40°C)	.0W-30 or 0W-40
-22°F to 104°F (-35°C to +40°C)	.5W-30 ¹
-13°F to 104°F (-25°C to +40°C)	.5W-40

2013-14⁴:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ¹

2015:

Below 104°F (40°C)	.0W-30
-22°F to 104°F (-30°C to 40°C)	.5W-30 ⁵

CAPACITY, Refill ³ :	Liters	Pt
2010	7.4	7.8
2011-15	6.8	7.2
2.0L	5.4	5.7

- Preferred.
- Synthetic oils meeting 0W-30 or 0W-40 are recommended for driving in extreme temperatures (Hot or Cold), when towing a trailer over long distances and when driving in mountainous areas.

- Capacity is shown with filter. After refill, check oil level. On models with oil cooler additional oil may be needed if cooler is drained.
- SAE 0W-30 is recommended for driving in areas with sustained low temperatures.
- SAE 5W-30 will provide good fuel economy and engine protection under normal driving conditions. 4-cylinder engines only. Volvo oil VCC RBS0-2AE/SAE 0W20 is recommended for extreme driving conditions. This oil must never be used in 5- or 6-cylinder engines.

TRANSMISSION/TRANSAXLE, Automatic

TF-80SC: 2008-09	.TIV
2010	.TIV ²
2011-15	.SL106

CAPACITY, Total Fill ¹ :	Liters	Pt
TF-80SC	7.0	7.4
2015 TG-81SC	6.6	7.0

- Total or dry fill.
- TF-80SC Generation 1 transmissions use SL119.

TRANSFER CASE¹

All	.GLS78	
CAPACITY, Refill	Liters	Pt
2010-11	0.8 ²	1.6 ²
2012-15	NS ²	NS ²

- Also known as a bevel gear.
- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

DIFFERENTIAL .GLS75

CAPACITY, Refill:	Liters	Pt
2010-11	0.7	1.5
2012-15	NS ¹	NS ¹

- After filling, fluid must be allowed to escape the fill plug until a continuous flow changes into single drops.

OTHER COMPONENTS

Brake Fluid Reservoir	.HBH
Power Steering Reservoir	.PS026

MOTORCYCLES, SCOOTERS, MOPEDS, ATVS

NOTE: As of 2000, the Japanese Automobile Standards Organization (JASO) has established special testing criteria for 4-stroke motorcycle engine oils. These tests measure the friction qualities of oils for use in engines with integral clutch and transmission. SH and higher rated oils with a JASO rating of MA have the proper friction qualities; MB rated oils do not. Do not use oils rated under API standards as "Energy Conserving".

APRILIA	
Atlantic 125, 200, 250, 500; Leonardo 125, 150, 250	Engine .5W-40 SJ Gearbox Synthetic 75W-90 GL-4, GL-5
Dorsoduro 750, 1200	Engine .15W-50 SJ Fork Oil .5W
ETV 1000 Caponord	Engine .15W-50 SG Fork Oil .5W or 20W
Mana GT, 850	Engine .5W-40 SJ Fork Oil .0W or 5W
MXV, RXV, SXV 450	Engine .10W-60 SG Gear Box .75W-90 GL-4, GL-5 Fork Oil .7.5W
Pegaso 650	Engine .15W-50 SG Fork Oil .5W or 20W
RS4 125	Engine .5W-40 SG Fork Oil .7.5W
RSV 1000, RSV4	Engine .15W-50 SG Fork Oil .5W
Scarabeo 100	Engine .5W-40 SL Gearbox .75W-90 GL-4, GL-5 Fork Oil .7.5W
Shiver 750	Engine .15W-50 SJ Fork Oil .5W
Sportcity 125, 200	Engine .5W-40 SL Gearbox Synthetic 75W-90 GL-4, GL-5 Fork Oil .5W or 20W
Sportcity 50	Engine .5W-40 SL Rear Hub .80W-90 GL-3 Gearbox Synthetic 75W-90 GL-4, GL-5 Fork Oil .7.5W
SX, RX, RS 125	Two-stroke Engine .TC Gearbox Synthetic 75W-90 GL-4 Fork Oil .5W or 20W 2006 .5W or 20W 2007-10 .7.5W
Tuono 1000	Engine .15W-50 SG Fork Oil .5W or 20W

BMW	
2004-09	
Four-stroke engines	SF, SG, SH ¹
2004-09	
Above 35°F (2°C)	.20W-50
Below 35°F (2°C)	.10W-40
¹ Synthetic may be used after engine brake in 15W-50 CD/SH rating.	
Transmission, Driveshaft Housing,	
Final Drive	.80W-90 GL-5

HARLEY-DAVIDSON	
Four-stroke engines	SJ, SL ¹
80° to 100°F (27° to 38°C)	.60
60° to 100°F (16° to 38°C)	.50
20° to 100°F (-7° to 38°C)	.20W-50
2006-09	
Transmission:	
All w/1340cc	GLS94
All w/883cc, 1200cc	GLS95
Chaincase: FL, FX Series	SL120
2006-09 Evolution 1340, Big Twins	
1450, Revolution - V - Rods	
Engine	Synthetic 20W-50
Transmission	Synthetic 20W-50
Chain Case	Synthetic 20W-50
¹ Oil must meet HD 240™ rating (2000-05); HD 360™ (2006).	
Note: Only Harley-Davidson packaged oils are recommended by manufacturer.	

HONDA	
Four-Stroke Engines	
Engine and Transmission in Unit	SJ ¹
Above 35° F (2° C)	.10W-40, 20W-50
5° to 95° F (-15° C to 32° C)	.10W-30
Above 5° F (-15° C)	.10W-40 ²
Below 50° F (10° C)	.5W

HONDA (Continued)	
Final Drive Unit	
VT500C, FT, CB650SC	GL-5 ³
All Temperatures	.90W
All Others	GL-5
All Temperatures	.80W
Two-Stroke Engines	
Engine	.TC
Fuel Oil Ratio ⁴ , 20:1 ⁵	
Transmission	SJ
5° to 95° F (-15° C to 32° C)	.10W-30
Above 5° F (-15° C)	.10W-40 ²
Below 50° F (10° C)	.5W
Scooter Final Drive Unit (As Equipped)	SJ
All Temperatures	.10W-40

ATV	
Four-Stroke Engines	
Engine and Transmission in Unit	SJ ¹
Above 35° F (2° C)	.10W-40, 20W-50
5° to 95° F (-15° C to 32° C)	.10W-30
Above 5° F (-15° C)	.10W-40 ²
Below 50° F (10° C)	.5W
Two-Stroke Engines	
Engine	.TC
Fuel Oil Ratio ⁴ , 20:1 ⁵	
Transmission	SJ
5° to 95° F (-15° C to 32° C)	.10W-30
Above 5° F (-15° C)	.10W-40 ²
Below 50° F (10° C)	.5W
Final Drive Unit (As Equipped)	
Rear	GL4, GL5
All Temperatures	.80W
Front:	
All ex. TRX 400, TRX 500	GL5
All Temperatures	.80W
TRX 400, TRX 500	SJ
All Temperatures	.10W-40
¹ Honda "Pro Honda GN4" or "HP4" (w/o moly) oil is recommended.	
² Preferred.	
³ V500C, FT may use 80W below 41° F (5° C).	
⁴ Oil Injection models, pour directly into system tank.	
⁵ When using Honda HP-2 oil, 32:1.	

HUSQVARNA	
Four-stroke engines:	
2004-05	.20W-50 SJ
2006	.10W-60 SJ
Two-stroke engines	
Fuel/oil ratio, 32:1	.TC ¹
Transmission 2004-05:	
Automatic	SL121
Manual	.20W-50 CD/SG
¹ Parasynthetic oil.	

KAWASAKI	
2004-09	
Four-stroke engines:	
2004-05	SJ, SL
2006-07	SJ, CF
2008-09:	
Concours, Eliminator 125, Ninja, Vulcan 900, 1600, 1700, 2000, KL250 Super Sherpa, KLX 110, 140, 250 KLR 650, Z1000	
API SG or higher Jaso MA	
KX 250, 450 KLX 450	
API★ SH or SJ	
Versys, ER-6n, Vulcan 500	
SE	
ZZR 600	
SE, SF, SG	
Oils rated SH or higher w/JASO rating MA may also be used.	
2004-05:	
Above 32°F (0°C)	.20W-50
Above 14°F (-10°C)	.10W-50
32° to 104°F (0° to 40°C)	.20W-40
14° to 104°F (-10° to 40°C)	.20W-40*
* Preferred.	
2006-07	
All temperatures	.10W-40, 10W-50, 15W-50, 20W-40, 20W-50
2008-09:	
Concours, Eliminator 125, Ninja, Vulcan 900, 1600, 1700, 2000, KL250 Super Sherpa, KLX 110, 140, 250 KLR 650, Z1000	
.10W-40	
KX 250, 450 KLX 450	
.10W-40	
Versys, ER-6n	
.10W-40	
Vulcan 500	
.10W-40, 10W-50, 20W-40, 20W-50	
ZZR 600	
.10W-40	
Two-stroke engines	
Fuel/oil ratio ¹ , 32:1	.TC

KAWASAKI (Continued)	
2004-09 (Continued)	
Transmission:	
2008-09 KX 65, 85, 100	.10W-30, 10W-40 SE
Two-stroke models	SJ, SL
2004-05:	
Above 32°F (0°C)	.20W-50
Above 14°F (-10°C)	.10W-50
32° to 104°F (0° to 40°C)	.20W-40
14° to 104°F (-10° to 40°C)	.20W-40*
* Preferred.	
2006-07:	
All temperatures	.10W-30
Four-stroke models, combined with engine	
Final Drive, All ATVs:	
Front differential	GL-5★
2004-08:	
KVF700	.5W-30, 10W-40, 10W-50, 20W-40, 20W-50
KVF650 Prarie	.10W-40, 10W-50, 20W-50
KVF360, KVF750	.10W-40
Others	.90, 85W-140, 140
Rear differential:	
2004-08:	
KVF360, KVF650, KVF700, KVF750	HTF
Hydraulic Tractor Fluid.	
Others	GL-5
Above 40°F (4°C)	.90
Below 40°F (4°C)	.80W
Shaft Drive, Motorcycles:	
Other models	GL-5
Above 40°F (4°C)	.90
Below 40°F (4°C)	.80W

2010	
KX85	
Engine oil Two stroke engines	.TC
Fuel/Oil ratio, 32:1	
KLX110	
Engine oil	YAMALUBE 4 10W-40 or SAE 10W-40 API SG or higher, JASO standard MA, MA1 or MA2
Concours, ER-6N, KLX250S, SF, NINJA 25CR, NINJA ZX-6R, NINJA 650R, KLR650, VERSYS, VULCAN, Z1000, ZX-10R, ZX-14	
Engine oil	YAMALUBE 4 API SG or higher, JASO standard MA, MA1 or MA2
32°F to 140°F (0°C to 50°C)	.20W-50
32°F to 104°F (0°C to 40°C)	.20W-40
14°F to 140°F (-10°C to 50°C)	.10W-50
14°F to 104°F (-10°C to 40°C)	.10W-40
14°F to 86°F (-10°C to 30°C)	.10W-30
Final drive:	
Concours	
Above 41°F (5°C)	.90
Below 41°F (5°C)	.80
KX250F, KX450F	
14°F to 140°F (-10°C to 50°C)	.10W-50
14°F to 104°F (-10°C to 40°C)	.10W-40
14°F to 86°F (-10°C to 30°C)	.10W-30

ATV	
KFX90	
Engine oil API SG or higher	
10°F to 45°F (-10°C to 8°C)	.5W
10°F to 90°F (-10°C to 30°C)	.10W-30
10°F to 110°F (-10°C to 40°C)	.10W-40
15°F to 110°F (-5°C to 40°C)	.20W-40
15°F to 140°F (-10°C to 50°C)	.20W-50
KFX450R, Brute Force 650, 750	
Engine oil	YAMALUBE 4 API SG or higher, JASO standard MA, MA1 or MA2
32°F to 140°F (0°C to 50°C)	.20W-50
32°F to 104°F (0°C to 40°C)	.20W-40
14°F to 140°F (-10°C to 50°C)	.10W-50
14°F to 104°F (-10°C to 40°C)	.10W-40
14°F to 86°F (-10°C to 30°C)	.10W-30
32°F to -4°F (0°C to -20°C)	.5W-30
Front and Rear Gear Case 4WD:	
Front: Engine oil	
YAMALUBE 4 API SG or higher SAE 10W-40, JASO standard MA, MA1 or MA2	
Rear	
Mobil Fluid 424, CITGO TRANSGARD TRACTOR HYDRAULIC FLUID, Exxon Hydraul 560, or KawaCherr Gear and Wet Brake Oil	

MOTORCYCLES, SCOOTERS, MOPEDS, ATVS (CONTINUED)

KAWASAKI (Continued)

2011-12

KLX110, KLX140 YAMALUBE 4 10W-40 or
SAE 10W-40 **API SG** or higher,
JASCO Standard **MA, MA1** or **MA2**
Concours, Ninja 250R, ZX600R,
Ninja 650R, KLR650, VERSYS,
VULCAN 900, VULCAN 1700,
Z1000, Ninja 1000, Ninja ZX-10R,
Ninja ZX-14 YAMALUBE 4 **API SG**
or higher, JASCO Standard
MA, MA1 or **MA2**
32° to 130°F (0°C to 50°C) 20W-50
32° to 104°F (0°C to 40°C) 20W-40
14° to 130°F (-10°C to 50°C) 10W-50
14° to 104°F (-10°C to 40°C) 10W-40
14° to 86°F (-10°C to 30°C) 10W-30
KX85, KX100
Engine Oil Two Stroke Engine **TC**
Fuel/Oil Ratio, 32:1
Transmission Oil SAE 10W-40
KX250F, KX450E YAMALUBE 4 **API SG**
or higher, JASCO Standard
MA, MA1 or **MA2**
14° to 130°F (-10°C to 50°C) 10W-50
14° to 104°F (-10°C to 40°C) 10W-40
14° to 86°F (-10°C to 30°C) 10W-30

ATV

KFX90 YAMALUBE 4 **API SG** or higher,
JASCO Standard **MA, MA1** or **MA2**
10° to 45°F (-10°C to 8°C) 5W
10° to 90°F (-10°C to 30°C) 10W-30
10° to 104°F (-10°C to 40°C) 10W-40
15° to 110°F (-5°C to 40°C) 20W-40
15° to 140°F (-10°C to 50°C) 20W-50
BAYOU 250, Prairie 360, KFX450R,
Brute Force 650, 750 YAMALUBE 4 **API SG**
or higher, JASCO Standard
MA, MA1 or **MA2**
32° to -4°F (0°C to -20°C) 5W-30
14° to 86°F (-10°C to 30°C) 10W-30
14° to 104°F (-10°C to 40°C) 10W-40
14° to 140°F (-10°C to 50°C) 10W-50
32° to 104°F (0°C to 50°C) 20W-40
32° to 140°F (0°C to 50°C) 20W-50
Front and Rear Gear Case Oil 4WD:
Front: YAMALUBE 4 **API SG** or higher,
SAE 10W-40, JASCO Standard
MA, MA1 or **MA2**
Rear: SAE80 Mobil Fluid 424,
Citgo Transgard Tractor
Hydraulic Fluid, Exxon Hydraul 560

2013

KX65, KX85, KX100
Engine Oil Two Stroke **TC**
Fuel/Oil Ratio, 32:1
Transmission oil SAE 10W-40
API SG or higher,
JASCO Standard
MA, MA1, MA2
KLX110, 110L, 140, 140L,
KLX250T YAMALUBE 4 10W-40
or SAE 10W-40 **API SG**
or higher, JASCO
Standard **MA, MA1** or **MA2**
KX250F, KX450F YAMALUBE 4 **API SG**
or higher, JASCO Standard
MA, MA1 or **MA2**
14° to 130°F (-10°C to 50°C) 20W-50
14° to 104°F (-10°C to 40°C) 10W-40
14° to 86°F (-10°C to 30°C) 10W-30
Ninja 300, Ninja ZX-6R, Ninja 650,
KLR650, VERSYS, VULCAN 900,
VULCAN 1700, Z1000, Ninja 1000,
ZX-10, ZX-14 YAMALUBE 4 **API SG**
or higher, JASCO
Standard **MA, MA1** or **MA2**
32° to 130°F (0°C to 50°C) 20W-50
32° to 104°F (0°C to 40°C) 20W-40
14° to 130°F (-10°C to 50°C) 10W-50
14° to 104°F (-10°C to 40°C) 10W-40
14° to 86°F (-10°C to 30°C) 10W-30
ATV
KFX50, KFX90 YAMALUBE 4
API SG or higher,
JASCO Standard
MA, MA1 or **MA2**
10° to 40°F (-10°C to 4°C) 5W
14° to 90°F (-10°C to 30°C) 10W-30
23° to 120°F (-10°C to 48°C) 10W-40
23° to 120°F (-5°C to 48°C) 20W-40
23° to 130°F (-5°C to 54°C) 20W-50

KAWASAKI (Continued)

2013 (Continued)

Brute force 300 YAMALUBE 4
API SG or higher,
JASCO Standard
MA, MA1 or **MA2**
32° to -4°F (0°C to -20°C) 5W-30
14° to 86°F (-10°C to 30°C) 10W-30
14° to 104°F (-10°C to 40°C) 10W-40
14° to 140°F (-10°C to 50°C) 10W-50
32° to 104°F (0°C to 40°C) 20W-40
32° to 140°F (0°C to 54°C) 20W-50
Transmission: **SAE90**
Rear gear case oil **SAE80**
Prairie 360, KFX450R,
Brute Force 650, 750 YAMALUBE 4
API SG or higher,
JASCO Standard
MA, MA1 or **MA2**
32° to -4°F (0°C to -20°C) 5W-30
14° to 86°F (-10°C to 30°C) 10W-30
14° to 104°F (-10°C to 40°C) 10W-40
14° to 140°F (-10°C to 50°C) 10W-50
32° to 104°F (0°C to 40°C) 20W-40
32° to 140°F (0°C to 54°C) 20W-50
Front and Rear Gear Case Oil 4WD:
Front YAMALUBE 4 **API SG** or higher,
SAE 10W-40 JASCO
Standard **MA, MA1** or **MA2**
Rear SAE80 Mobil Fluid 424,
Citgo Transgard Tractor Hydraulic Fluid,
Exxon Hydraul 560.

SUZUKI

Four-stroke engines 10W-40 **SJ, SL**
Two-stroke engines **TC**²
Fuel/oil ratio¹: 20:04-07, 32:1
Transmission:
LT-F230 90 **GL-5**
Other two-stroke models 10W-40 **SJ, SL**
Four-stroke models, combined with engine:
Shaft Drive/Final Drive 90 **GL-5**
¹ w/oil injection, pour oil into system tank.
² Use a synthetic-based TC oil.

YAMAHA

2004-08

Four-stroke engines
2006-08 **SJ**
2004-05 **SJ, SL**
Consistently above 40°F (4°C) 20W-40
Consistently below 60°F (16°C) 10W-30
Two-stroke engines
Oil injected "Autolube"¹ **TC**
w/o oil injection, fuel/oil
ratio 24:1² **TC**
Transmission:
Two-stroke models 10W-30 **SJ, SL**
Four-stroke models, combined with engine
Shaft Drive/Final Drive:
PW50, QT50 **LM**
All Others 80W **GL-4**
Front Gear Case 80W **GL-4**
¹ Use Yamalube 2-S or low-ash TC oil.
² YZ/WR competition models, use Yamalube-R 30:1.
Midnight Warrior:
Engine oil: YAMALUBE 4 20W-50 or
SAE 20W-50, **API SG** or
higher, JASCO standard **MA**
Transfer gear oil: SAE 80 **API GL-4**
Roadliner Midnight:
Engine oil: YAMALUBE 4 20W-50 or
SAE 20W-50, **API SG** or
higher, JASCO standard **MA**
Transfer gear oil: SAE 80 **API GL-4**
Royal Star Venture/Tour Deluxe:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Final gear oil: SAE 80 **API GL-4**
Stratoliner:
Engine oil: YAMALUBE 4 20W-50 or
SAE 20W-50, **API SG** or
higher, JASCO standard **MA**
Transfer gear oil: SAE 80 **API GL-4**
V Star 250: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50

YAMAHA (Continued)

2009

V Star 950: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
V Star 1100:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Final gear oil: SAE 80 **API GL-4**
V Star 1300: YAMALUBE 4 20W-50 or
SAE 20W-50, **API SG** or
higher, JASCO standard **MA**
V Star Classic/Custom/Silverado:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Final gear oil: SAE 80 **API GL-4**
VMAX:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Final gear oil: Shaft drive gear oil
P/N 9079E-SH001-00
Warrior:
Engine oil: YAMALUBE 4 20W-50 or
SAE 20W-50, **API SG** or
higher, JASCO standard **MA**
Transfer gear oil: SAE 80 **API GL-4**
FJR1300AE:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Final gear oil: Shaft drive gear oil
FZ1, FZ6:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
PW50:
Engine oil: YAMALUBE 2 or
2-stroke engine oil
meeting JASCO
Transmission oil: YAMALUBE 4 10W-40
or SAE 10W-40
TT-R110E, TT-R50E, WR250R, WR250X:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
TT-R125E:
Engine oil: **API SE**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50
YZF-R6:
Engine oil: **API SG** or higher,
JASCO standard **MA**
10°F to 110°F (-10°C to 40°C),
YAMALUBE 4 10W-40 or SAE 10W-40
50°F to 140°F (10°C to 50°C),
YAMALUBE 4 20W-50 or SAE 20W-50

CHAINSaws

DOLMAR

PS-34, PS-45, PS-340 TH,
PS-341DTH TLC, PS-350, PS-401,
PS-420, PS-460, PS-510,
PS-510DS, PS-5100 SH, PS-6400,
PS-6400H, PS-3400W, PS-7300,
PS-7300H, PS-7300W, PS-7900,
PS-7900H, PS-7900W, PS-9010

EngineTC¹
Fuel/oil ratio, 50:1
Chain reservoirBC

¹ Only manufacturer's packaged oils are recommended.

ECHO

CS306, CS330 MX4, CS330T,
CS341, CS360, CS370, CS400,
CS440, CS530, CS670, CS8000

EngineTC
Fuel/oil ratio, 50:1¹
Chain reservoirBC²

¹ Use manufacturer-approved oil, w/minimum 89 (R+M)/2 octane fuel. Do not use gasohol containing methyl (wood) alcohol.
² Summer, use SAE 30. Winter conditions or when cutting resinous trees use SAE 10. Mix 2 parts oil, 1 part kerosene. Below 0°F (-18°C).

EFCO

MT3700, MT4000,
MT7200, MT8200,
132S, 147, 152, 156, 165, 181

EngineTC¹
Fuel/oil ratio, 50:1
Chain reservoirBC

¹ Only manufacturer's packaged oils are recommended.

HOMELITE/ JOHN DEERE

Includes the following John Deere models:

200CS, 230CS, 300CS, J3816

EngineTC¹
Fuel/oil ratio, 50:1
Chain reservoirBC²

¹ Manufacturer's packaged oils recommended.
² New SAE 30 may be used when BC is not available.

HUSQVARNA

Includes the following Husqvarna models:

334, 336, 338, 340, 345, 346, 350,
353, 357, 359, 385, 455, 470, 575, 3120

EngineTC¹
Fuel/oil ratio, 50:1
Engine, all othersTC
Fuel/oil ratio, 40:1¹
Chain reservoirBC
Above 32°F (0°C), 30
Below 32°F (0°C), 20

¹ Only manufacturer's packaged oils are recommended.

ICS

680GC, 633GC, 603GC

EngineTC¹
Fuel/oil ratio, 25:1
ChainWater Min. 20 PSI

¹ Only manufacturer's packaged oils are recommended.

JONSERED

EngineTC
Fuel/oil ratio: 2000 Series, 50:1
Other models, 40:1
Chain reservoirBC

MCCULLOCH/EAGER BEAVER

MS-1432, -1435, -1435 AV, -1635, -1635 AV, -1838 AV;
Eagle Beaver: 2010, 2014, 2016, 2116 AV, 2316 AV, 2318 AV;
MacCat: 16 AV, 18 AV; Mac: 3210, 3212, 3214, 3216, 3516
AV, 3818 AV; Pro-Mac: 3205 AV, 3505 AV, 3805 AV;
Silver Eagle: 2012 AVS, 2012S, 2014 AVS, 2014S, 2016S,
2116S, 2116 AVS, 2318 AVS

EngineTC¹
Fuel/oil ratio, 40:1¹
Chain reservoirBC¹

¹ Manufacturer's packaged oils recommended.

OLYMPYK

EngineTC
Fuel/oil ratio, 40:1¹
Chain reservoirBC

¹ During break-in period (first 3 tanks of operation) use 40:1 fuel/oil ratio.

PIONEER/PARTNER

EngineTC¹
Fuel/oil ratio, 40:1
Chain reservoirBC

¹ Only manufacturer's packaged oils are recommended.

POULAN

EngineTC
Fuel/oil ratio, 40:1
Chain reservoirBC¹

¹ May use SAE 30 when BC is not available. In freezing weather mix with 5 to 10% #1 Diesel fuel or kerosene.

SEARS CRAFTSMAN

EngineTC
Fuel/oil ratio, 40:1
Chain reservoirBC¹

¹ May use SAE30 when BC is not available. In freezing weather mix with 5 to 10% #1 Diesel fuel or kerosene.

SHINDAIWA

285S, 300S, 352S, 357, 360,
377, 488, 577, 757TC¹
Fuel/oil ratio, 50:1

EngineTC¹
Fuel/oil ratio, 40:1
Chain reservoirSAE 30 BC²

¹ Only manufacturer's packaged oils are recommended.
² In cold weather mix with 50% clean kerosene.

SOLO

EngineTC
Fuel/oil ratio, 32:1¹
Chain reservoirBC

¹ When using manufacturer's packaged oil, 40:1.

STIHL

EngineTC¹
Fuel/oil ratio, 50:1
Chain reservoirBC¹

Above 50°F (10°C), 30
14° to 50°F (-10° to 10°C), 20
Below 14°F (-10°C), 20W, 10W
¹ Only manufacturer's packaged oils are recommended.

TANAKA

EngineTC¹
Fuel/oil ratio, 40:1
Chain reservoirBC

¹ Only manufacturer's packaged oils are recommended.

SNOWMOBILE ENGINES

MAKE, MODEL	Fuel/Oil Ratio	Lubricant	MAKE, MODEL	Fuel/Oil Ratio	Lubricant	MAKE, MODEL	Fuel/Oil Ratio	Lubricant
ARCTCO (ARCTIC CAT) Oil Injected — — ^{1,2,3} Snow Pro — — ³ 1 Use Arctco Oil or equivalent low-ash oil with -40°F (-40°C) pour point. 2 Use Arctco Extreme Injection Oil or equivalent low-ash oil with -40°F (-40°C) pour point. 3 Use Arctco ZRV oil only.			BOMBARDIER (SKI-DOO/MOTOSKI) 2008-10 MXZ 600 RS 33:1 TC ² Non-Oil Injection models 50:1 ¹ TC ² Mach Z Oil Injected — — ³ Oil-Injection models — TC ⁴ 2007-10 All Series w/4 stroke ex. Mini Z: 4 stroke Engine Synthetic 0W-40 SL, SJ, SM P/N 293 600 054 2004-08 Mini Z SM, SL, SJ All temperatures SAE 5W-30 1 For break-in, use 40:1 ratio. 2 Use Ski-doo Blizzard Oil or Ski-doo Injection Oil or a low-ash 2 cycle oil with -40°F pour point. 3 Rotax Synthetic oil preferred. If unavailable, see note 4. 4 Use Ski-doo Injection Oil or a low-ash 2 cycle oil with -40°F pour point. Rotax Synthetic Oil is recommended, especially for high-performance engines.			POLARIS Oil Injected 2006-10 VES II ¹ Oil Injected — TC-W All Others 40:1 TC-W 4-stroke Synthetic PS-4 or PS-4 Plus (W-50) Note: Polaris oil or equivalent NMMA TC-W3 oil. 1 Part No. 2874438 or equivalent.		
						YAMAHA 4-Stroke — — ² Autolube models — TC ¹ 1 Use Yamalube 2 or low-ash 2 cycle oil. Warning: Do not mix low-ash 2 cycle oils w/ashless TC or TC-W oils. 2 Engine crankcase, use SE, SF, SG or higher. All temperatures, up to 2004 5W-30. 2005-10 Yamalube 4, 0W-30 Cold Weather Formula.		

SMALL HP ENGINES

BRIGGS & STRATTON Four-stroke engines SJ, SL Above 40°F (4°C), 30 0° to 40°F (-18° to 4°C), 5W-30, 10W-30 All Temperatures, 5W-30 ¹ , 5W-20 ¹ Two-stroke engines TC-W II, TC-W3 Fuel/oil ratio: Lawnmowers, 50:1 ² Other applications, 32:1 ³ 1 Synthetic, meeting APIH & CF/SJ. 2 Preferred. May use 32:1. 3 For break-in, use 16:1.	KAWASAKI Two-stroke engines TC-W II, TC-W3 TEX45, TEX54, TF22, TG28, TH23, TH26 Fuel/oil ratio: 50:1 Four-stroke engines Normal operation ... SJ, SL Above 32°F (0°C), 20W-50, 30 Above 0°F (-18°C), 10W-30, 10W-40, 15W-40 Below 32°F (0°C), 10W Below 0°F (-18°C), 5W-20, 5W-30 Four-stroke engines Maximum output ... SJ, SL Above 32°F (0°C), 30 Below 32°F (0°C), 10W	ROBIN/SUBARU EH17, EH25, EH34 Four-stroke engines SJ, SL Above 77°F (25°C), 40 50° to 90°F (10° to 32°C), 30 32° to 59°F (0° to 15°C), 20 23° to 59°F (-5° to 15°C), 20W Above 0°F (-18°C), 10W-40 0° to 90°F (-18° to 32°C), 10W-30 0° to 32°F (-18° to 0°C), 10W -13° to 5°F (-25° to -15°C), 5W
GENERAC Four-stroke engines SJ, SL GN-190, -220, -320, -360, -410 as generators: Summer months, SAE 30 ¹ , 10W-30 Winter, 5W-30 Do not use 10W-40. GN-220 as Power Washers: Above 32°F (0°C), 30 Below 32°F (0°C), 5W-30 1 Preferred.	KOHLER Overhead Valve engines ^{1,4} SJ, SL Above 0°F (-18°C), 10W-30, 10W-40 Below 32°F (0°C), 5W-20, 5W-30 L-head engines ^{2,4,4} SJ, SL Above 32°F (0°C), 30 0° to 32°F (-18° to 0°C), 10W-30, 10W-40 Below 32°F (0°C), 5W-20, 5W-30 1 CH6 engines, for first five hour break-in use 10W-30. CS engines, for first 20 hour break-in use 10W-30. 2 For first five hour break-in use 30. 3 Use of other than SAE 30 above 32°F (0°C) may result in increased oil consumption and deposits. 4 No break-in oil change required on engines w/an oil filter.	SOLO Two-stroke engines TC Fuel/oil ratio: 40:1 ¹ 1 When not using manufacturer's packaged oil, 32:1.
HONDA GCV135, GC160; GCV160, GX-31, -120, -160, -200, -240, -270, -340, -360, -390, -610, -620, -640, -670; GXV-140, -340, -390, -530; Snow Blower Four-stroke engines SJ, SL GC135, GC160, GCV160: Above 50°F (10°C), 30 Above -5°F (-21°C), 10W-30 preferred HS Series Snow Blower: Above -4°F (-20°C), 10W-30 Below 32°F (0°C), 5W-30 ² Below 14°F (-10°C), 5W-20 Others: Above 50°F (10°C), 30 ¹ -5° to 85°F (-21° to 29°C), 10W-30 Below 30°F (-1°C), 5W-30 1 Do not use SAE 30 oil in GX-31 models. Use 10W-30 above -5°F (-21°C). 2 Preferred.	KUBOTA Gasoline engines SJ, SL Above 5°F (-15°C), 10W-30, 10W-40 Below 14°F (-10°C), 5W-20, 5W-30 Diesel engines CF-4, CG-4, CH-4 Above 77°F (25°C), 30 32° to 77°F (0° to 25°C), 20W Below 32°F (0°C), 10W All temperatures, 10W-30	TECUMSEH Four-stroke engines SJ, SL Above 32°F (0°C), 30 ¹ Below 32°F (0°C), 5W-30 ¹ , 10W Below 0°F (-18°C), 0W-30. Do not use 10W-40. Two-stroke engines TC-WII, TC-W3 Fuel/oil ratio: AV520 types 670 & 653, AV600 type 600-10 & up, TC-TCH 200/300 all, 24:1 TVS600, All types; AH600, All types; 32:1 TVS/TVXL/HSK-840, -845, -850, All; HSK600, All; 50:1 1 Preferred.
	LAWN-BOY Two-stroke engines TC-W3 Fuel/oil ratio, 32:1 ¹ 1 When not using manufacturer's packaged oil, 16:1.	WISCONSIN Gasoline engines SJ, SL Above 32°F (0°C), 30 Above 0°F (-18°C), 15W-40 0° to 120°F (-18° to 49°C), 10W-30, 10W-40 -20° to 32°F (-29° to 0°C), 10W -20° to 0°F (-29° to -18°C), 5W-20, 5W-30 Diesel engines CF-4, CG-4, CH-4 Above 68°F (20°C), 40 Above 32°F (0°C), 15W-40 32° to 86° (0° to 30°C), 20W-20 0° to 32°F (-18° to 0°C), 10W-30 Below 32°F (0°C), 10W

OUTBOARD MOTORS

MAKE, MODEL	Fuel/Oil Ratio	Lubricant	MAKE, MODEL	Fuel/Oil Ratio	Lubricant	MAKE, MODEL	Fuel/Oil Ratio	Lubricant
EVINRUDE/JOHNSON¹			EVINRUDE/JOHNSON (Continued)			NISSAN, TOHATSU		
Two-Stroke:			40 thru 70 hp OL			Two-Stroke:		
2 thru 30 hp normal service:			Engine Crankcase: Use Evinrude Ultra 4-stroke oil or 10W-40 SJ, API★			Oil injection All —¹ 80, 90 OL		
Using Accu-mix						Others 2003-05 50:1² 80, 90, 80W-90 OL		
feature 2003-04 — OL						Use NMMA TC-W3 oils.		
Not using Accu-mix						1 50:1 ratio in fuel tank for first 10 hours.		
feature ² 2003-04 50:1 OL						2 Use 25:1 ratio for first 10 hours.		
2 thru 30 hp severe service & high performance:			HONDA FOUR-STROKE			Four-Stroke:		
Using Accu-mix			BF30, 35, 40, 45, 50 — ² OL³			Engine 10W-40 SG, SF, SH		
feature 2003-04 50:1 OL			All others — ¹ OL³			Lower Unit 80, 90 GL-5		
Not using Accu-mix			1 Engine crankcase, use 10W-30 SJ Energy Conserving Oil. Do not mix with fuel.					
feature ² 2003-04 50:1 OL			2 Engine crankcase, use 10W-30 SJ, GF-2 (starburst symbol). May use 5W-30 SG, SH, SJ. Do not mix with fuel.					
35A thru 55 hp normal service:			3 GL-4, GL-5 marine rated hypoid gear oil.					
Not using oil								
injection ² 2003-04 50:1 OL								
Not using Accu-mix ² 2003-04 50:1 OL								
35A thru 55 hp high performance:			MARINER/MERCURY TWO-STROKE					
Using Accu-mix			All w/Optimax/DFI All —¹ OL³					
feature 2003-04 50:1 OL			w/oil injection or Auto					
Not using Accu-mix			Blend All —^{2,4} OL³					
feature ² 2003-04 25:1 OL			w/o oil injection or					
35A thru 55 hp severe service:			Auto Blend All 50:1^{2,5} OL³					
Using Accu-mix 2003-04 50:1 OL			1 Use Premium Plus oil only.					
Using oil injection 2003-04 — OL			2 Mercury Quicksilver or NMMA TC-W3 Outboard 2-stroke oil.					
Not using oil injection or			3 Mercury Quicksilver or equivalent.					
Accu-mix ² 2003-04 50:1 OL			4 First tankful, 50:1.					
60 hp and up normal & commercial:			5 First tankful, 25:1.					
Using oil injection 2003-04 — OL								
Not using oil								
injection ² 2003-04 50:1 OL								
60 hp and up high performance:			MARINER/MERCURY FOUR-STROKE					
Using oil injection 2003-04 50:1 OL			All All —¹ OL					
Not using oil			1 Engine crankcase, use SJ or CF-4.					
injection ² 2003-04 25:1 OL			Above 40°F (4°C), 25W-40.					
Use only NMMA TC-W3 oil. CARBON GUARD is recommended for use with poor quality fuel. Ficht RAM Injection oil preferred.			All temperatures, 10W-30.					
1 Two-stroke engines, for break-in period of new or rebuilt engines using Accu-mix, Accu-mix R, or oil injection: Use 50:1 ratio in fuel tank. Others: 25:1 ratio. See owner's manual.								
2 Accu-mix, Accu-mix R, or oil injection disconnected or not so equipped.								
Four-Stroke:								
5 thru 15 hp OL								
Engine Crankcase: Use Evinrude Ultra 4-stroke oil or 10W-30 SJ, API★								

PERSONAL WATERCRAFT

<p>ARCTIC CAT TC-W</p> <p>All Models TC-W</p> <p>Part No. 0678-003 or 0678-282</p> <p>Fuel/oil ratio, 50:1</p> <p>Models w/oil injection, pour oil into system tank</p> <hr/> <p>KAWASAKI</p> <p>All Two Stroke Engines. Semi-Synthetic TC-W3</p> <p>Part No. W61-020-101B</p> <p>Fuel/oil ratio:</p> <p>900 STX 50:1</p> <p>1100 ZXi 50:1</p> <p>JH1100 50:1</p> <p>All others 60:1</p> <p>Models w/oil injection, pour oil into system tank</p> <p>2008 All Four Stroke Engines 10W-40 FC-W</p> <p>Part No. W61020-108A</p> <p>2009-12 All Four Stroke Engines API SH or higher, SAE 10W-40 JASCO Standard MA, MA1 or MA2</p> <hr/> <p>POLARIS</p> <p>All Two Stroke Engines TC-W3</p> <p>Marine HO Turbo Four Stroke¹ Synthetic SJ, SL</p> <p>Fuel/oil ratio, NA</p> <p>Models w/oil injection, pour oil into system tank</p> <p>1 Use Synthetic Four Stroke engine oil.</p>	<p>SEA DOO/BOMBARDIER TC-W</p> <p>All Two Stroke Engines TC-W</p> <p>Castrol XPS 2-Stroke Oil</p> <p>Four Stroke Engines 5W-40 Synthetic SJ, SL</p> <p>Rotax Oil</p> <p>Jet Pump Sea Doo Jet Pump Synthetic Oil (PLN 293 600 011)</p> <p>Fuel/oil ratio, NA</p> <p>Models w/oil injection, pour oil into system tank</p> <p>2008 Models 130 & 155 HP 10W-40 mineral or Synthetic SM, SL</p> <p>2008 Models 215 & 255 HP 10W-40¹ mineral oil</p> <p>1 Use XP-S 10W-40 P/N 219 700 346 or BRP approved equivalent.</p> <hr/> <p>TIGER SHARK</p> <p>All Models TC-W</p> <p>Part No. 0678-003 or 0678-282</p> <p>Fuel/oil ratio, 50:1</p> <p>Models w/oil injection, pour oil into system tank</p> <hr/> <p>WET JET TC-W3</p> <p>All Models TC-W3</p> <p>Fuel/oil ratio, NA</p> <p>Models w/oil injection, pour oil into system tank</p> <hr/> <p>WILD CAT TC-W</p> <p>All Models TC-W</p> <p>Fuel/oil ratio, NA</p> <p>Models w/oil injection, pour oil into system tank</p>	<p>YAMAHA</p> <p>All models ex. listed below</p> <p>Two Stroke Engines ^{1,2} TC-W3</p> <p>Yamalube 2-cycle Outboard Oil</p> <p>Fuel/oil ratio, NA</p> <p>Models w/oil injection, pour oil into system tank.</p> <p>2008 GP1300R 4</p> <p>2008-12 SuperJet 1</p> <p>All models ex. listed below</p> <p>Four Stroke Engines³ 10W-30 SJ, SL</p> <p>2008-09 FX Cruiser, FX Cruiser HO SJ, SL</p> <p>-5°F to 95°F (-20°C to 35°C) 10W-30</p> <p>-5°F to 110°F (-20°C to 40°C) 10W-40</p> <p>68°F to 110°F (20°C to 43°C) 20W-40</p> <p>68°F to 122°F (20°C to 50°C) 20W-50</p> <p>2008-10 VX & VX Sport, Deluxe, Cruiser</p> <p>Consistently above 60°F (20°C) 10W-30</p> <p>Consistently at 104°F (40°C) 20W-40</p> <p>Consistently above 104°F (40°C) 20W-50</p> <p>2011-12 FX Cruiser, FX SHO, FZR, FZS, VX, VXR, VXS SH, SJ, SL</p> <p>10W-30, 10W-40, 20W-40, 20W-50</p> <p>STX-15F, Ultra 300X, Ultra LX 2013 YAMALUBE 4 API SG or higher, SAE 10W-40 JASCO Standard MA, MA1 or MA2</p> <p>14° to 86°F (-10°C to 30°C) 10W-30</p> <p>14° to 104°F (-10°C to 40°C) 10W-40</p> <p>14° to 140°F (-10°C to 50°C) 10W-50</p> <p>32° to 104°F (0°C to 40°C) 20W-40</p> <p>32° to 140°F (0°C to 54°C) 20W-50</p> <p>1 Use Yamaha 2-W or TC-3 oil.</p> <p>2 Catalytic converter models must use Yamaha 2-W only.</p> <p>3 CAUTION: Use only four stroke engine oil.</p> <p>4 Use Yamaha 2-W oil only.</p>
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KEY TO LUBRICANT SYMBOLS

MEDIUM & HEAVY TRUCKS, FARM TRACTORS

AF2	DEXRON®-II Automatic Transmission Fluid <i>Type-A, Suffix-A or Dexron where footnoted</i>	HTF	Tractor Hydraulic Fluid AGCO, Allis-Chalmers, Deutz-Allis, White: Power Fluid 821-XL, AGCO Permatran 821X... AGCO Permatran 821XL Spec. CMS1135 Deere: Hy-Gard®, Spec. JDM J20B, J20C, J20D Deutz Fahr: AKROS MULTI, AKROS MULTI-FTC Fiat, Hesston-Fiat (tractors): Olofiat Tutela Multi-F Ford, New Holland: Use the following as noted: 134 Hydraulic Fluid, Spec. ESN-M2C134-D; Hy-Tran Ultra®, Spec. MS-1209; or Spec. F200-A in cold weather, Master-Tran Spec. MAT 3505; Multi-G 134 fluid (NH-410B), Multi-G 134 fluid (MAT 3525) 134d Ambra Multi G (MAT 3525) Kubota: VG 32, may use inhibited formulation Kubota Super UCT Fluid Landini, Massey Ferguson: Use the following as noted. PERMATRAN®-III, Spec. M1135, M1143 or M1144 Mahindra: Universal Tractor Fluid McCormick: McCormick ATF Steiger: Hydraulic/Transmission Fluid, Spec. SEMS 17001 TYM: Chevron 1000 THF, RPM Tractor Hydraulic Fluid, Textron TDH Premium (CALTEX), or Texaco TDH Oil Valtra: Valtra transmission fluid XT60 (Valtra G2-08 specification), Valtra transmission fluid XT60+ (Valtra G2-B10 specification). Versatile: HyGear Fluid Spec. 23M or 24M
AF3	DEXRON®-III Automatic Transmission Fluid AGCO, Deutz-Allis, White: Power Fluid 411	HY	Hydraulic Oil Ford, New Holland: Hydraulic Oil 41, Part No. 1QM2C41, Spec. ESNM2C41-B White: White Type 55 Fluid
AF6	Transmission Fluid	LB	Chassis Grease, NLGI Classification LB
AP4	ATF-4® Automatic Transmission Flu	LHM	Ambra Brake LHM Oil (ISO 7308)
BTF	Hydraulic Transmission Fluid Deere: BIO-HY-GARD	LM	Lithium Multipurpose Grease EP LM: Lithium Grease with EP AGCO: Lithium II, Part No. 79014728, Super Lithium AG Deere: Capable of operating above 302°F (150°C) Ford, New Holland: Part No. 9613310, Spec. ESN-M1C137-B Ambra GR9 Massey Ferguson: Spec. M-1105 Steiger: Must exceed 350°F (177°C) dropping point Moly LM: Lithium Grease with Moly
CC	Motor Oil, API Service CC (obsolete)	LS	Steering Gear Lubricant
CD	Motor Oil, API Service CD (obsolete)	MA	MERCON® Automatic Transmission Fluid
CD-II	Motor Oil, API Service CD-II (obsolete)	MA5	MERCON®-V Automatic Transmission Fluid, P/N XT-5-QM
CE	Motor Oil, API Service CE (obsolete)	MO	Motor Oil, Any API Service Classification
CF	Motor Oil, API Service CF	MSP	MERCON® SP Automatic Transmission Fluid P/N XT-6-QSP
CF-2	Motor Oil, API Service CF-2	PS006	Pentosin CHF-11S
CF-4	Motor Oil, API Service CF-4	PS032	PSF-III
CG-4	Motor Oil, API Service CG-4	PS033	Texaco LT-1833
CH-4	Motor Oil, API Service CH-4	SC	Motor Oil, API Service SC (obsolete)
CI-4	Motor Oil, API Service CI-4	SD	Motor Oil, API Service SD (obsolete)
CI-4+	Motor Oil, API Service CI-4 PLUS	SE	Motor Oil, API Service SE (obsolete)
CJ-4	Motor Oil, API Service CJ-4	SEO15	Ford Spec. WSS M2C930-A
CL	Chassis Lubricant	SEO18	Ford Spec. WSS-M2C945-A
CTF	Cab Tilt Fluid	SEO23	GM Standard GM6094
DC	Distributor Cam Lubricant	SF	Motor Oil, API Service SF (obsolete)
DEF	Diesel Exhaust Fluid, meeting ISO 22241-1	SG	Motor Oil, API Service SG (obsolete)
E1	Motor Oil ACEA Spec. E1	SH	Motor Oil, API Service SH (obsolete)
E2	Motor Oil ACEA Spec. E2	SJ	Motor Oil, API Service SJ
E3	Motor Oil ACEA Spec. E3	SL	Motor Oil, API Service SL
E5	Motor Oil ACEA Spec. E5	SLG	Special Lubricant—Grease Massey Ferguson: Open Gear Grease
E7	Motor Oil ACEA Spec. E7	SLS	Special Lubricant—Spray Caterpillar: Part No. 1U8268 Dry Spray Lubricant
E9	Motor Oil ACEA Spec. E9	SL022	Castrol TranSynd Fluid or TES 295
EP	Extreme Pressure Gear Oil	SL048	LHM Mineral Brake Fluid (green), P/N 3405 3E9 M1 (HSMO)
FA	Automatic Trans. Fluid, Type-F Deere: All Weather Hydrostatic Fluid, Spec. JDM J21A	SL123	Spec No. M6C59-A, P/N 86541699DS
GC	Wheel Bearing Grease, NLGI Classification GC AGCO: Part No. 79014730	SL124	Rockwell Spec. 0-81
GL-1	Gear Oil, API Service GL-1	SL125	Eaton E500 synthetic
GL-3	Gear Oil, API Service GL-3	SL126	Mobil SHC 50 (RN 2952E-2) Transmission Fluid
GL-4	Gear Oil, API Service GL-4	SM	Motor Oil, API Service SM
GL-5	Gear Oil, API Service GL-5 AGCO: Gear Lube 715, SAE 80W-90 Deere: John Deere Extreme Guard	SN	Motor Oil, API Service SN
GF-4	Motor Oil, ILSAC GF-4	SP	Speedometer Cable Lubricant
GLS31	GM P/N 12345349	TO-4	Transmission Oil, TO-4 Caterpillar: Transmission Drive Train Oil (TDTO)
GLS96	Mack Truck TO-A Plus	TU	Super Tractor Oil Universal (STOU) Massey Ferguson: Spec. M1139
GLS97	SAE Spec. J2360	UTF	Universal Tractor Fluid
GLS98	MIL Spec. MIL-L-21048B	VDS-4	Motor Oil, Volvo Drain Specifications 4
GLS99	MIL Spec. MIL-PRF-2105E	WB	See GC
GLS100	Differential Fluid MIL Spec. MIL-L-2015D		
GO-J	Gear Oil, GO-J		
GO-J+	Gear Oil, GO-J Plus		
GR-9	Ambra GR-9 Multi-Purpose Grease		
HB	Hydraulic Brake Fluid, SAE J170, Hydraulic Brake Fluid, DOT 3		
HBH	Hydraulic Brake Fluid, DOT 4		
HF	Type C-4 Fluid Massey Ferguson: Spec. M-1110		
HG	High Temperature Grease: Clay, complex, or polyurea thickened Caterpillar: No. 2 Polyurea Grease Deere: HG, use complex or polyurea EP No. 2 Spec. JDM J13E4. Use MIL-G-10924F below -22°F (-30°C); Moly HG, use complex with Moly and EP, Spec. JDM J25		
HOA	Anti-Wear Hydraulic Oil Caterpillar: As noted, use Cat Hydraulic Oil (HYDO) or Cat Biodegradable Hydraulic Oil (BIO HYDO) Zetor: VG 32		

MEDIUM & HEAVY TRUCKS

GENERAL SPECIFICATIONS

AUTOCAR

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

CumminsRefer to Cummins engine section
VolvoRefer to Volvo engine section

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

BERING

LUBRICANT GRADE

CRANKCASE

CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section

TRANSMISSION

AllisonRefer to Allison transmission section
Eaton/FullerRefer to Eaton/Fuller transmission section
ZFRefer to ZF transmission section

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake & Clutch Reservoir**HBH**
DOT 4
Chassis Grease Fittings**LM**
NLGI No. 2
Power Steering**PS032**
Wheel Bearings**GC**
NLGI No. 1 (Ba Al BASE)

CHEVROLET/GMC

LUBRICANT GRADE

CRANKCASE

GASOLINE ENGINES

2004-09**SE023**
All Temperatures5W-30^{1,2}

DIESEL ENGINES:

CaterpillarRefer to Caterpillar engine section
IsuzuRefer to Isuzu engine section

GM & Duramax Engines:

6.6L
2004**CH-4, CI-4, CJ-4**
2005-07**CI-4, CJ-4**
2008-15**CJ-4³**
2004-07: Above 0°F (-18°C)10W-30
Above 100°F (Above 38°C)15W-40
Up to 100°F (38°C)5W-40
2008-15: All temperatures5W-40¹
Above 0°F (-18°C)15W-40

1 Preferred.

2 Do not use other viscosity oils, such as 20W-50.

3 2008-15 model year engines must use CJ-4 only. CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4, & CG-4.

CAPACITY, Refill^{1, 2}:

GASOLINE ENGINES:	Liters	Qt
6.0L: 2004-09	5.7	6.0
8.1L: 2004-05	6.2	6.5
2006-09	9.5	10.0

DIESEL ENGINES:

Refer to appropriate engine section.	Liters	Qt
GM & Duramax Engines: 6.5L	7.6	8.0
6.6L	13.8	14.6
2004-15 Medium Duty 6.6L	9.5	10.0

1 Includes filter change.

2 Approximate. Capacities may vary due to accessories & optional equipment. Make final inspection w/dipstick.

TRANSMISSION

AllisonRefer to Allison transmission section
FullerRefer to Eaton/Fuller transmission section
IsuzuRefer to Isuzu transmission section
SpicerRefer to Dana/Spicer transmission section

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake Master Cylinder**HB**
Cab Tilt Hydraulic System**CTF**
Chassis Grease Fittings**LB, GC-LB**
Clutch Release Bearing**HG**
Exhaust Brake Ball Joint Cap**HG**
Hydraulic Clutch System**HB**
GM Part No. 12345347 preferred
Oil Cups**MO**
Power Steering: 2004-13**PS004**
Prop. Shaft Slip Joint**GC, GC-LB**
Prop. Shaft U-Joints**GC, GC-LB**

Spring Brake Hydraulic Pump**AF3**
Steering Gearbox**LS**
Water Pump Bearing**EP LM**
Wheel Bearings: Grease Lubricated**GC, GC-LB**
Oil Lubricated W-Series**90 GL-5**
Canada, 8J
Oil lubricated,
ex. W-SeriesSynthetic 75W-90 **GL-5**

FORD

LUBRICANT GRADE

CRANKCASE

GASOLINE ENGINES:

2004-11**SE015**
2012-15**SE018**
All Temperatures5W-20

DIESEL ENGINES:

CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section

CAPACITY, Refill^{1, 2}:

GASOLINE ENGINES:	Liters	Qt
2004: E450 6.8L	5.7	6.0
F450-550:		
5.4L	6.6	7.0
6.8L	6.6	7.0
2005: E450 6.8L 5	5.7	6.0
F450-550:		
5.4L	6.6	7.0
6.8L	6.6	7.0
2006: E450 6.8L	5.7	6.0
F450-550:		
5.4L	6.6	7.0
6.8L	6.6	7.0
2007: E450 6.8L	5.7	6.0
F450-550:		
5.4L	6.6	7.0
6.8L	6.6	7.0
2008-10:		
E450: 5.4L	5.7	6.0
6.8L	6.6	7.0
F450-550: 5.4L	6.6	7.0
6.8L	6.6	7.0
2011-14:		
E450: 5.4L, 6.8L	5.7	6.0
2011-15:		
F450-550: 6.2L, 6.8L	6.6	7.0

DIESEL ENGINES:

Refer to appropriate engine section.

1 Approximate. Capacities may vary due to accessories & optional equipment.

2 Includes filter change.

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Air Cleaner, oil bath**MO**
Above 32°F (0°C), 30; below 32°F (0°C), 20W
Ford engines, use crankcase grade
Axle Shifter, Louisville,
Aeromax10W-30 **SJ, SL, SM**
Others10W **SJ, SL, SM**
Below 0°F (-18°C), mix 25% kerosene
Body Hinges & Latches**SLS**
Brake Camshaft (S-Cam Air Brakes)
& Slack Adjusters**EP LM**
Brake & Clutch Master Cylinders**HBH**
Brake Torque Plate Rails**LB**
Cab Lift Pump**CTF**
Chassis Grease Fittings¹**EP LM**
Driveshaft U-joints, Slip Yokes,
Power Steering Gear Output Shaft**HG**
Hydro-Max Booster Pump**MA**
Below 0°F (-18°C), use hydraulic oil VG 22
Parking Brake, Speedometer,
Tachometer Cables**SP**
Power Steering Pump**MA**
Spring Leaves, Transmission Linkage Pivots,
Brake/Clutch Pedal Pivots & Clevis,
Transmatic Detent Stop,
Starter Motor10W-30 **SJ, SL, SM**
Steering Gearbox (Manual)
Synthetic75W-90 **GL-5**
Wheel Bearings:
Grease lubricated**EP LM**

1 Ex. driveshaft U-joints, slip yokes, and power steering gear output shaft.

2 Preferred.

FREIGHTLINER

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section
Mercedes-BenzRefer to Mercedes-Benz engine section

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Axle Shifter10W **SJ, SL¹**
Below 0°F (-18°C), mix w/25% kerosene
Bearing Cap (Sheppard Power
Steering)**EP LM**
Brake Camshaft Bracket Bushings**EP LM**
Cab Tilt Pump**CTF**
Chassis Grease Fittings**EP LM**
Clutch Master Cylinder (Cargo)**HB**
Clutch Release Bearing**HG***
* Meritor/Rockwell use NLGI No. 3. Others use No. 1 or 2.
Door Hinges & Latches**MO**
Fan Clutch (Evans)**HG**
Lincoln Multiluber:
Above 32°F (0°C), 90 or 140 GL-5
Below 32°F (0°C), 30 SJ
Do not use SCL gear oil
Moisture Ejection Valve: Bendix10W **MO**
Power Steering:
Cargo**MA**
Others**AF3**
Steering Driveline Deck Bearing
(FLA, FLB only)**MO**
Steering Gearbox, Manual**GL-5**
Above 30°F (-1°C), 90
Below 30°F (-1°C), 75
Stewart-Warner Oil Mist**SJ, SL, SM**
Summer, 30; winter, 10W
Universal Joints & Splines**EP LM**
Wedge Brake**LM**
Wheel Bearings:
Grease Lubricated**GC**
Oil Lubricated**GL-5**
Same viscosity as differential.
Windshield Wiper Motor
Dow-Corning No. 200 or equivalent.
1 Sulfated ash content must not exceed 1.85%. May also use AF3 for all temperatures. Do not mix kerosene or engine oil w/ATF.

HINO

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES

2004**CI-4, CJ-4¹**
Above 50°F (10°C)40
32° to 90°F (0° to 32°C)30
Below 32°F (0°C)10W-30
-10° to 70°F (-23° to 21°C)20W-20
Above -10°F (-23°C)15W-40
2005-06**CI-4, CJ-4²**
32° to Above 104°F (0° to 40°C)40
32° to 100°F (0° to 39°C)30
-22° to 100°F (-30° to 40°C)10W-40
2007-09**CJ-4³**
32° to Above 104°F (0° to 40°C)40
32° to 100°F (0° to 39°C)30
-22° to 100°F (-30° to 40°C)10W-40
2010-11**CJ-4**
-20° to 100°F (-29° to 38°C)15W-40, 10W-30
0° to Above 100°F (-18° to 38°C)20W-50
-40° to 100°F (-40° to 38°C)5W-30
20° to Above 100°F (-7° to 38°C)40
20° to 100°F (-7° to 38°C)30

1 CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4, CG-4.

2 CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4, CG-4.

3 2007-09 model year engines must use CJ-4 only.

MEDIUM & HEAVY TRUCKS

GENERAL SPECIFICATIONS CONTINUED

Capacity, Refill ¹	Liters	Qts.
2004 FA4J, FB4J	9.7	10.2
FD2J, FE2J, SG1J	12.6	13.3
2005-07: 145	—	—
165	—	—
185	—	—
238	—	—
258LP	—	—
268, 268A	—	—
338	—	—
2008-10: 145	10.1	10.7
165	10.1	10.7
185	10.1	10.7
238	10.1	10.7
258ALP, 258LP	15.3	16.2
268, 268A	15.3	16.2
338, 338CT	15.3	16.2
2011-13: 195	9.4	9.9
238	15.3	16.2
258ALP, 258LP	15.3	16.2
268, 268A	15.3	16.2
338, 338CT	15.3	16.2

¹ Approximate. Capacities may vary due to accessories & optional equipment. Make final inspection w/dipstick.

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake & Clutch Fluid	HB
Brake Adjusters & Cam Brackets	HG
Brake Slack Adjusters	HG
Chassis Grease Fittings	EP LM
Manual Steering Box	.90 GL-4
Power Steering Fluid	AF2
Starter Bearings: 2004	.No. 2 EP LM
Tie Rods, Drag Link, Steering Shaft	
U-Joint & Spline	Moly LM
Water Pump	HG
Wheel Bearings	EP LM

ISUZU

LUBRICANT GRADE

CRANKCASE

GASOLINE ENGINES

2004	SL, SM
2004.5-09	SM, SN
All Temperatures	.5W-30 ^{1,2}
2012-13	SN

DIESEL ENGINES:

Caterpillar	Refer to Caterpillar engine section
Isuzu	Refer to Isuzu engine section
Detroit Diesel	Refer to Detroit Diesel engine section
Mercedes-Benz	Refer to Mercedes-Benz engine section

¹ Preferred.
² Do not use other viscosity oils, such as 20W-50.

CAPACITY, Refill¹:

GASOLINE ENGINES:	Liters	Qt
2004-05 C4, C5 8.1L	2	2
C6, C7, C8 8.1L	6.2	6.5
2006-09 C4, C5 8.1L	9.5	10.0
C6, C7, C8 8.1L	9.5	10.0
2004-09 NPR: 5.3L	5.7	6.0
2004-13 6.0L	5.7	6.0

¹ Approximate. Capacities may vary due to accessories & optional equipment.
² First design oil pan, 6.5 qts., second design oil pan, 13 qts.

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake Master Cylinder	HB
Brake Slack Adjusters & Camshafts	EP LM
Chassis Grease Fittings	EP LM
Power Steering	AF3
Water Pump Bearing	EP LM
Wheel Bearings: Grease lubricated	GC, GC-LB

KENWORTH

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

Caterpillar	Refer to Caterpillar engine section
Cummins	Refer to Cummins engine section
Detroit Diesel	Refer to Detroit Diesel engine section

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Cam Brake Camshaft Splines, Disc Brake Shaft Splines & Slide Pin Retainers.	
Brake Clevis Pins	BL ¹
Brake Camshaft Bushings	No. 2 EP LM
Brake Treadle	10W MO
Cab Tilt Pump	CTF
Chassis Grease Fittings	EP LM
NLGI No. 2	
Clutch Master Cylinder	HB
Clutch Release Bearing	HG ²
Driveshaft U-Joints	EP LM
Fan Clutch or Hub	EP LM
Pedal Pivots (Mid-Ranger)	SLS
Steering Gearbox	.80W-90 GL-5
Wheel Bearings:	
Grease lubricated	No. 2 EP LM
Oil lubricated	.80W-90 GL-5
Winch: Braden	.140 GL-2
Carco, Tulsa	.140 GL-5

¹ Antiseize grease, Meritor/Rockwell spec. 0-637.
² Chevron SRI Mobil Grease HP, Texaco Multifax 2, or equivalent.

MACK

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

Caterpillar	Refer to Caterpillar engine section
Cummins	Refer to Cummins engine section
Mack	Refer to Mack engine section

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Accelerator Hinge Pin	MO
Brake Treadle Hinge Pin	MO
Cab Tilt System	CTF
Chassis Grease Fittings	EP LM
Clutch Release Bearing	EP LM
Dynamax (oil) Clutch	AF
Power Steering	.10W-30, 10W-40, SJ, SL, SM
Radiator Shutter Control Bar	
and Vane Bearings	MO
Shift Tower WL, WS	GL-5
Slack Adjusters	EP LM
Speedometer Adapter	.1
Spring Trunnion Oil Plug	GL-5
Steering Gearbox	GL-5
Tachometer Adapter, Mack V-8	.1
Wheel Bearings: Grease lubricated	EP LM
Oil lubricated	GL-5
Semi-fluid grease lubricated	LB

Note: Where GL-5 is specified, use same viscosity and quality as differential.
¹ Anderol 766 or equivalent.

MARMON

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

Caterpillar	Refer to Caterpillar engine section
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TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

MITSUBISHI FUSO

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

Mitsubishi	Refer to Mitsubishi engine section
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TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake & Clutch Master Cylinders	HB
Chassis Grease Fittings	LB

Driveshaft Center Bearing	EP LM
Driveshaft U-Joints & Splines	EP LM
Kingpins	LB
Power Steering	AF2
Slack Adjusters: FK, FM	EP LM
Wheel Bearings	EP LM

NISSAN/UD

LUBRICANT GRADE

CRANKCASE

2004

Above 86°F (30°C)	CI-4, CJ-4 ¹	.40
41° to 104°F (4° to 40°C)		.30
20° to 104°F (-7° to 40°C)		.20W-40
20° to 77°F (-7° to 25°C)		.20W-20
10° to 104°F (-12° to 40°C)		.15W-40
0° to 77°F (-18° to 25°C)		.10W-30
0° to 50°F (-18° to 10°C)		.10W

2005-06

	CI-4, CJ-4 ¹	.40
	CJ-4 ²	.30
32°F to 104°F (0° to 40°C)		.40
32°F & Above (0° & Above)		.20W-50
-13°F & Above (-25° & Above)		.15W-40, 10W-30
-22° to 104°F (-30° & 40°C)		.10W-30

¹ CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4 & CG-4.
² 2007-09 model year engines must use CJ-4 only.

Engine Oil Capacity

Engine	Capacity	Liters ¹	Qts. ¹
FD46TA: 2004		10.1	10.7
FE6TA: 2004		17.0	18.0
MD-175: 2005-07		10.4	11.0
2008-09		9.5	10.0
MD-230: 2005-07		15.4	16.3
2008-09		12.7	13.4

¹ Approximate. Capacities may vary due to accessories & optional equipment. Make final inspection w/dipstick.

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake & Clutch Master Cylinders	HB
Chassis Grease Fittings	EP LM
NLGI No. 2 or 3	
Power Steering	AF2
Wheel Bearings	EP LM

PETERBILT

LUBRICANT GRADE

CRANKCASE

DIESEL ENGINES:

Caterpillar	Refer to Caterpillar engine section
Cummins	Refer to Cummins engine section
Detroit Diesel	Refer to Detroit Diesel engine section

TRANSMISSION

Refer to appropriate transmission section.

DIFFERENTIAL

Refer to appropriate differential section.

OTHER LUBRICATION POINTS

Brake Anchor Pins & Cam Bearings	HG ¹
Brake Treadle Valve	.10W MO
Cab Tilt System	CTF
Chassis Fittings	EP LM
Clutch Release Bearing	HG
Driveshaft	EP LM
Front Driving Axle Bearings & U-Joints	EP LM
Pedal Pivots (Mid-Ranger)	SLS
Power Steering Reservoir	HF
Slack Adjusters	EP LM
Speedometer & Tachometer	
Cables	SP
Steering Gearbox: Model 330	.80W-90 GL-5
Wheel Bearings: Grease lubricated	EP LM
Windshield Wiper Motor	
Dow Corning 200, Sprague Wiper Lube, or equivalent	

¹ High Temp. grease, Timken Spec. 0-616.

MEDIUM & HEAVY TRUCKS

GENERAL SPECIFICATIONS CONTINUED

STERLING
LUBRICANT GRADE
CRANKCASE
DIESEL ENGINES:
CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section
Mercedes-BenzRefer to Mercedes-Benz section
MitsubishiRefer to Mitsubishi Section
TRANSMISSION
Refer to appropriate transmission section.
DIFFERENTIAL
Refer to appropriate differential section.
OTHER LUBRICATION POINTS
Axle ShifterSAE 10 SJ, SL, SM ¹
Below 0°F (-18°C), mix w/25% Kerosene.
Brake Camshaft
(S-Cam Air Brakes) EP LM
Brake Slack Adjusters:
Gunitite:
-40° to -20°F (-40° to -29°C), Lubriplate
Aerogrease
Above -20°F (-29°C), Mobil Grease No. 7
Haldex/Eaton:
20°F (-2°C) and above EP LM ²
Below -20°F (-29°C), Low Temp., EP LM
Meritor EP HG
Use a high temp. water-proof grease. (NLGI grade 1)
Chassis Grease Fittings EP LM
including clutch fittings
Clutch Master Cylinder HB
Cargo models
Clutch Release Bearing HG
Door Hinges & Latches MO
Driveshaft U-Joints & Slip Yokes EP LM
Power Steering Gear Output Shaft EP LM ²
Power Steering Reservoir: Cargo MA
Others AF3, PS033
¹ w/engine oil installed ³ , 10W-40 Union, Texaco, Mobil or Chevron;
15W-40 Union; 30 Shell Rotella T, Conдор Models: w/hydraulic
fluid installed use Chevron Torque 5 or Exxon Nuto H32. Do not
mix lubricant types.
² Sulfated ash content must not exceed 1.85%. May also use AF3
for all temperatures. Do not mix kerosene or engine oil w/ATF.
³ DO NOT USE automatic or power grease guns.
⁴ Do not mix rotor oil w/ATF.

VOLVO
LUBRICANT GRADE
CRANKCASE
DIESEL ENGINES:
CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section
VolvoRefer to Volvo engine section
TRANSMISSION
Refer to appropriate transmission section.
DIFFERENTIAL
Refer to appropriate differential section.
WESTERN STAR
LUBRICANT GRADE
CRANKCASE
DIESEL ENGINES:
CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section
TRANSMISSION
Refer to appropriate transmission section.
DIFFERENTIAL
Refer to appropriate differential section.
WHITE/WHITE GMC
LUBRICANT GRADE
CRANKCASE
DIESEL ENGINES:
CaterpillarRefer to Caterpillar engine section
CumminsRefer to Cummins engine section
Detroit DieselRefer to Detroit Diesel engine section
VolvoRefer to Volvo engine section
TRANSMISSION
Refer to appropriate transmission section.
DIFFERENTIAL
Refer to appropriate differential section.

OTHER LUBRICATION POINTS
Brake Cams (air brakes) LM
Brake Master Cylinders HB
Brake Pedal Shaft (N10, N12) MO
Chassis Grease Fittings EP LM
Clutch Hydraulic System HBH
Clutch Release Bearing HG
Clutch Release Shaft LM
Drive Shaft Pillow Block LM
Power Steering AF3
Wheel Bearings: Grease Lubricated EP LM
WORKHORSE
LUBRICANT GRADE
CRANKCASE
GASOLINE ENGINES
2004-09 SEO23
All Temperatures5W-30 ^{1,2}
DIESEL ENGINES:
CaterpillarRefer to Caterpillar engine section
GM & Duramax Engines:
6.6L: 2004 CH-4, CI-4, CJ-4
2005-07 CI-4, CJ-4
2008-13 CJ-4³
Above 0°F (-18°C)10W-30
Above 100°F (Above 38°C)15W-40
Up to 100°F (38°C)5W-40
¹ Preferred.
² Do not use other viscosity oils, such as 20W-50.
³ 2007-09 model year engines must use CJ-4 only.
CAPACITY, Refill^{1, 2}:
GASOLINE ENGINES:
6.0L: 2004-095.7 6.0
8.1L: 2004-056.2 6.5
2006-099.5 10.0
DIESEL ENGINES:
Refer to appropriate engine section for
additional engine makes.
GM & Duramax Engines: 6.5L7.6 8.0
6.6L13.8 14.6
¹ Includes filter change.
² Approximate. Capacities may vary due to accessories & optional
equipment. Make final inspection w/dipstick.
TRANSMISSION
Refer to appropriate transmission section.
DIFFERENTIAL
Refer to appropriate differential section.

MEDIUM & HEAVY TRUCKS

DIESEL ENGINES CONTINUED

MITSUBISHI FUSO		
CRANKCASE		
2004-06	CI-4, CJ-4 ¹	
2007-09	CJ-4 ¹	
Above 86°F (30°C)		.40
23° to 104°F (-5° to 40°C)		.30
Above 5°F (-15°C)		.15W-40
5° to 59°F (-15° to 15°C)		.20W-20
Below 32°F (0°C)		.10W-30
¹ 2007-09 model year engines must use CJ-4 only. CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4 & CG-4.		
Engine Oil Capacity¹		
	Liters	Qts.
3.3L	8.5	9.0
3.9L	9.0	9.5
4.9L ex. FH100	9.5	10.0
FH100	11.0	11.6
5.9L	10.4	11.0
6.6L	12.5	13.2
7.5L ex. FM230	12.8	13.5
FM260	13.7	14.5
¹ Approximate. Capacities may vary due to accessories & optional equipment. Make final inspection w/dipstick.		

VOLVO		
CRANKCASE		
2004-06	CI-4, CJ-4 ¹	
-5° to 120°F (-20° to 49°C)		.10W-40 ³
-5° to 85°F (-20° to 29°C)		.10W-30 ³
0° to 120°F (-18° to 49°C)		.5W-40 ³
-40° to 120°F (-40° to 49°C)		.5W-40 ³
-40° to 85°F (-40° to 29°C)		.5W-30 ³
2007-09	CJ-4 ²	
2010-13	VDS-4	
All Temperatures		.15W-40
¹ CJ-4 may be used in place of CI-4 w/CI-4 PLUS, CI-4, CH-4 & CG-4.		
² 2007-09 model year engines must use CJ-4 only.		
³ Generally, use the highest viscosity oil that still meets cold start-up temperature requirements.		

Engine Oil Capacity ¹		
2008-09 VE D13 335	Liters	Qts.
2007-09 VE D13 355-485	36.0	38.0
2010-13 D16	3	3
2007-09 VE D16 450-535	52.0	55.0
2007-09 VE D16 450-600	36.0	38.0
2010-13 D13	36.0	38.0
2007-09 VE-D11/325-405	36.0	38.0
2010-13 D11	36.0	38.0
2007-09 VE-D12 365-465	33.1	35.0
2004-06 VHD Models:		
w/VE D12/365/		
395/425/435 Engine	41.6	44.0
2004-06 VN, VNL Models:		
w/VE D12/365/		
395/425/435 Engine	36.9	39.0
2006 VE-D16/500	52.0	55.0
2007-09 ISX	41.6	44.0
2010-13 ISX15	41.6	44.0
¹ Approximate. Capacities may vary due to accessories & optional equipment. Make final inspection w/dipstick.		
² Includes filter.		
³ Oil pan can have 2 different capacities: 44.0 quarts and 55.0 quarts.		

AUTOMATIC & AUTOMATED TRANSMISSIONS

AISIN		
All	AF3	
CAPACITIES Total¹		
A450-43LE	Liters	Qt
A460	14.0	14.8
M036A6	13.3	14.1
465	13.2	14.0
465	14.0	14.8
ALLISON		
All	SL022 ¹⁷	
CAPACITIES Total^{1, 2}		
AT-542, 545 (Initial fill)	Liters	Qt
B500 (World)	3	3
B500P (World)	4	4
CBT-5000, 6000 (Series)	5	5
CBT-8000, 9000 (Series)	6	6
CLBT-5000, 6000 (Series)	71.9	76.0
CLBT-8000, 9000 (Series)	6	6
CRT-3000, 5000 (Series)	71.9	76.0
CRT-7000 (Series)	20.8	22.0
CT-5000, 6000 (Series)	42.5	45.0
CT-8000, 9000 (Series)	6	6
DP-5000, 6000 (Series)	71.9	76.0
DP-8000, 9000 (Series)	6	6
HD-4060 (World)	7	7
HD-4060P (World)	4	4
HD-4560 (World)	5	5
HD-4560P (World)	4	4
HT-700 (Initial fill)	5	5
HT-741 (Initial fill), HT-747 (Initial fill)	15.1	16.0
HT-754 (Initial fill), HT-755 (Initial fill)	15.1	16.0
LCT-1000, 2000, LCT-2400	8	8
M-5000, 6000 (Series)	6	6
M-8000, 9000 (Series)	7	7
MD-3060 (World)	24.6	26.0
MD-3060-P	27.4	29.0
MD-3070PT (World)	36.9	39.0
MD-3560 (World)	24.6	26.0
MD-3560-P	24.6	26.0
MD-WF (World) (Initial fill)	15.6	16.5
MT-600 (Initial fill)	15.1	16.0
MT-643	9	9
MT-648 (Initial fill)	15.1	16.0
CAPACITIES Total^{1, 2}		
MT-653 (Initial fill), MT-654 (Initial fill)	Liters	Qt
700 (Series)	15.1	16.0
S-5000, 6000 (Series)	10	10
S-8000, 9000 (Series)	6	6
653DRG 15	7	7
1000 & 2000 Series	9	9
3000 Series	11	11
4000 Series	12	12
	13	13
ARVIN/MERITOR (ROCKWELL)/ZF		
ESS (ENGINE SYNCHRO SHIFT) & SURESHIFT		
Heavy Duty Engine Oil API SJ, SL, SM, SN		
Above 10°F (-12°C), 40, 50		
Above -15°F (-26°C), 30		

Gear Oil	API GL-114	
Above 10°F (-12°C), 90		
Below 15°F (-26°C), 80W		
Synthetic Oil	SL124 ¹⁵	
Above -40°F (-40°C), 50		
CAPACITIES¹		
Arvin/Meritor/ZF:	Liters	Qt
9 SPEED ESS		
M-11G9A-X11, M-12G9A-X12	9.7	10.2
M-13G9A-X13, M-14G9A-X14	9.7	10.2
M-15G9A-X15	9.7	10.2
M0-11G9A-X11, M0-12G9A-X12	9.7	10.2
M0-13G9A-X13, M0-14G9A-X14	9.7	10.2
M0-11G9B-X11	9.7	10.2
M0-12G9A-X12, M0-13G9A-X13	9.7	10.2
M0-14G9A-X14, M0-15G9A-X15	9.7	10.2
9 SPEED SURE SHIFT		
M-11G9A-S11, M-12G9A-S12	9.7	10.2
M-13G9A-S13, M-14G9A-S14	9.7	10.2
M-15G9A-S15	9.7	10.2
M0-12G9A-S12, M0-13G9A-S13	9.7	10.2
M0-14G9A-S14	9.7	10.2
M0-11G9B-S11	9.7	10.2
M0-12G9B-S12, M0-13G9B-S13	9.7	10.2
M0-14G9B-S14, M0-15G9B-S15	9.7	10.2
10 SPEED ESS		
M-11G10A-X11, M-12G10A-X12	9.7	10.2
M-13G10A-X13, M-14G10A-X14	9.7	10.2
M-15G10A-X15, M-16G10A-E16	9.7	10.2
M0-11G10A-X11, M0-12G10A-X12	9.7	10.2
M0-13G10A-X13, M0-14G10A-X14	9.7	10.2
M0-15G10A-X15	9.7	10.2
M0-14G10A-E16	9.7	10.2
M0-16G10A-X16	9.7	10.2
M0-16G10A-E18	9.7	10.2
M0-11G10C-X11, M0-12G10C-X12	9.7	10.2
M0-13G10C-X13, M0-14G10C-X14	9.7	10.2
M0-15G10C-X15, M0-16G10C-X16	9.7	10.2
M0-16G10C-X16, M0-16G10C-X18	9.7	10.2
M0-17G10C-E17, M0-17G10C-E19	9.7	10.2
M0-18G10C-E18	9.7	10.2
M0-18G10C-X20	9.7	10.2
10 SPEED SURE SHIFT		
M-11G10A-S11, M-12G10A-S12	9.7	10.2
M-13G10A-S13, M-14G10A-S14	9.7	10.2
M-15G10A-S15, M-16G10A-S16	9.7	10.2
M0-11G10A-S11, M0-12G10A-S12	9.7	10.2
M0-13G10A-S13, M0-14G10A-S14	9.7	10.2
M0-15G10A-S15, M0-16G10A-S16	9.7	10.2
M0-16G10A-S16, M0-16G10A-S18	9.7	10.2
M0-11G10C-S11, M0-12G10C-S12	9.7	10.2
M0-13G10C-S13, M0-14G10C-S14	9.7	10.2
M0-15G10C-S15, M0-16G10C-S16	9.7	10.2
M0-16G10C-S16, M0-16G10C-S18	9.7	10.2
M0-17G10C-S17, M0-17G10C-S19	9.7	10.2
M0-18G10C-S18, M0-18G10C-S20	9.7	10.2
ZF FREEDOM LINE		
All	.50W Synthetic	
Above -60°F (-51°C), 50		
CAPACITIES¹		
ZF FREEDOM LINE 7.2 SPEED	Liters	Qt
M-13Z12A-A13, M-14Z12A-A14	11.0	11.6
M0-14Z12A-A14, M0-15Z12A-A15	11.0	11.6
M0-16Z12A-A16	11.0	11.6
ZF FREEDOM LINE 16 SPEED		
M0-14Z16A-A14, M0-15Z16A-A15	11.8	12.4
M0-16Z16A-A16	11.8	12.4

FORD MOTOR CO.		
4R75E	MA5	
4R100	MA	
5R110W	MSP	
TorqShift	MSP	
CAPACITIES Total fill¹		
	Liters	Qt
4R75E	13.1	13.9
4R100	16.7	17.7
5R110W	18.0	19.0
TorqShift 5 Speed	17.8	18.8
CHRYSLER LLC		
46RH, 68RFE & AS68RC	AP4	
CAPACITIES, Total Fill¹:		
	Liters	Qt
46RH	9.7	10.3
68RFE	15.5-16.5	16.4-17.5
AS68RC	13.0	13.7
EATON/FULLER		
Automated Transmission		
Autoshift 18-speed	SL125	
All Others	SL126	
All Temperatures, SAE 50		
CAPACITIES¹		
	Liters	Qt
ULTRASHIFT HV 6 SPEED		
FO-6406A-AM3, FO-6406B-DW3	17.0	18.0
FO-8604A-AM3	17.0	18.0
FO-5406B-DM3, FO-5506B-DM3	18.9	20.0
FO-6406B-DM3, FO-6506B-DM3	18.9	20.0
ULTRASHIFT 10 SPEED		
RTO-10910B-DM3	24.6	26.0
RTO-12910B-DM3	24.6	26.0
RTO-14910B-DM3	24.6	26.0
RTO-16910B-DM3	24.6	26.0
RTOM-16910B-DM3	24.6	26.0
FM-14D310B-LST	24.6	26.0
FM-15D310B-LST	24.6	26.0
ULTRASHIFT PLUS 10 SPEED		
FM-14E310B-LAS	24.6	26.0
FM-15E310B-LAS	24.6	26.0
FO-14E310C-LAS	17.0	18.0
FO-16E310C-LAS	24.6	26.0
FO-18E310C-LAS	17.0	18.0
FO-14E308LL-VCS	26.5	28.0
FO-14E309ALL-VMS	17.0	18.0
FO-16E308LL-VCS	26.5	28.0
FO-16E309ALL-VCS	26.5	28.0
FO-17E308LL-VCS	26.5	28.0
FO-17E309ALL-VMS	26.5	28.0
FOM-14E310C-LAS	24.6	26.0
FOM-16E310C-LAS	26.5	28.0
ULTRASHIFT PLUS 13 SPEED		
FO-14E313A-MHP	26.5	28.0
FO-14E313B-MHP	17.0	18.0
FO-16D313E-LEP	26.5	28.0
FO-16E313A-MHP	26.5	28.0
FO-16E313B-MHP	17.0	18.0
FO-18E313A-MHP	26.5	28.0
FO-18E313B-MHP	17.0	18.0
FO-20E313A-MHP	26.5	28.0
FO-20E313B-MHP	17.0	18.0
FOM-16D313E-LEP	26.5	28.0

MEDIUM & HEAVY TRUCKS

AUTOMATIC & AUTOMATED TRANSMISSIONS CONTINUED

CAPACITIES ¹	Liters	Qt
ULTRASHIFT PLUS 14 SPEED		
RTLO-16313L-DM3	26.5	28.0
RTLOM-16313L-DM3	26.5	28.0
ULTRASHIFT PLUS 15 SPEED		
FO-14E318B-MXP	26.5	28.0
FO-14E318B-VXP	26.5	28.0
FO-16E318B-MXP	26.5	28.0
FO-16E318B-VXP	26.5	28.0
FO-18E318B-MXP	26.5	28.0
FO-18E318B-VXP	26.5	28.0
FO-20E318B-MXP	26.5	28.0
FO-20E318B-VXP	26.5	28.0
FO-22E318B-MXP	26.5	28.0
FO-22E318B-VXP	26.5	28.0
ULTRASHIFT LHP 13 SPEED		
RTLO-16913L-DM3	26.5	28.0
RTLOM-16913L-DM3	26.5	28.0
FO-16D313-LEP	26.5	28.0
FOM-16D313-LEP	26.5	28.0
AUTOSHIFT 10 SPEED		
RTO-10710B-AS3	24.6	26.0
RTO-12910B-AS3	24.6	26.0
RTO-14910B-AS3	24.6	26.0
RTO-14910C-AS3	24.6	26.0
RTO-16910B-AS3	24.6	26.0
RTO-16910C-AS3	24.6	26.0
RTO-18910B-AS3	24.6	26.0
AUTOSHIFT 18 SPEED		
RTLO-14918A-AS3	26.5	28.0
RTLO-16918A-AS3	26.5	28.0
RTLO-18918A-AS3	26.5	28.0
RTLO-20918A-AS3	26.5	28.0
RTLO-22918A-AS3	26.5	28.0
CAPACITIES¹		
SUPER 10 TOP 2		
RTL-11710-T2	26.5	28.0
RTLO-11610-16610-T2	29.3	31.0
RTAO-14710B-AC	16	16
RTAO-14710B-AS	16	16
SUPER 13 TOP 2		
RTLO-14/16713-T2	25.5	27.0
RTLO-18913-T2	26.5	28.0
SUPER 18 TOP 2		
RTLO-14/16718-T2	25.5	27.0
RTLO-18918-T2	26.5	28.0

CAPACITIES ¹	Liters	Qt
CEEMAT		
11/13/1409-AT	83.2	88.0
11/13/14/16109-ATE	84.2	89.0
AUTOSELECT		
RTAO-10/12/14/16710-AC	24.6	26.0
AUTOSHIFT		
RTAO-10/12/14/16710-AS	24.6	26.0
HYBRID		
EH-8E306A-CD	18.4	19.5
EH-8E306A-U	18.4	19.5
EH-8E306A-UP	18.5	19.6

GENERAL MOTORS CORP.

2ML70, 4L60-E, 4L65-E & 4L70-E	.AF6	
4L80E, 4L80-EHD & 4L85E	.AF6	
CAPACITIES¹		
	Liters	Qt
2ML70	10.8	11.5
4L60-E, 4L65-E & 4L70-E	5.9	6.3
4L80E (Initial fill)	7.3	7.7
4L80-EHD (Initial fill)	3.6	3.85
4L85E (Initial fill)	7.3	7.7

JATCO

AK 106 & RGE40A	.AF3	
CAPACITIES¹		
	Liters	Qt
AK 106 (Initial fill)	2.9	3.15
RGE40A (Initial fill)	5.9	6.3

MITSUBISHI FUSO

M2A3, M4A4 & M03A4	.AF3	
CAPACITIES¹		
	Liters	Qt
M2A3 (Initial fill)	3.7	4.0
M4A4 (Initial fill)	15.1	16.0
M030A4 (Initial fill)	6.7	7.1

AUTOMATIC & AUTOMATED TRANSMISSION NOTES

- 1 Approximate. Make final inspection w/dipstick.
- 2 **Warning:** The Drain/Refill Capacities are engineering estimates only, and will vary depending on lengths/sizes of cooler lines, cooler sizes, transmission fluid temperature and duration of drain time. The technician **MUST** check the transmission fluid level before placing the transmission in service. Overfilling and/or under filling are both harmful and will result in transmission failure. Allison Transmissions on highway service.
Note: For 1000/2000/2400, AT, HT, MT transmissions equipped w/external filter, an Allison high efficiency filter may be used until the change filter lamp indicates contamination or until it is in service for three years.
- 3 4 inch pan, 8.5 liters 9 qts.; 5 inch pan, 15.1 liters 16 qts.
- 4 With shallow sump, 37 liters 40 qts.; w/standard sump 45.4 liters 48 qts.
- 5 With shallow sump, 40.7 liters 43 qts.; w/standard sump 48.2 liters 51 qts.
- 6 With straight-through gear box, 70 liters 74 qts.; w/dropbox, 49.2 liters 52 qts.
- 7 With straight-through gear box, 71.9 liters 76 qts.; w/dropbox, 121.1 liters 128 qts.
- 8 With shallow pan, 12.3 liters 13 qts.; w/standard pan, 14.2 liters 15 qts.
- 9 With shallow pan, 17 liters 18 qts.; w/deep pan, 21.7 liters 23 qts.
- 10 With 4 1/2 inch deep oil pan, 28.8 liters 30.5 qts.; w/6 inch deep oil pan, 31.2 liters 33 qts.; w/7 inch deep oil pan, 31.2 liters 33 qts.; w/8 1/2 inch deep oil pan, 35 liters 37 qts. Add 2.4 liter 2.6 qts for dropbox.
- 11 Initial fill, w/shallow sump, 12.7qts.; w/standard sump, 14.8 qts. Refill, w/shallow sump, 7.4 qts.; w/standard sump, 10.6 qts.
- 12 With 4 inch sump, 27.4 liters 29 qts.; w/2 inch sump 24.6 liters 26 qts.
- 13 With 4 inch sump, 45.4 liters 48 qts.; w/2 inch sump 37.8 liters 40 qts. Transmissions w/ PTO, add 2.8 liters 3 qts.
- 14 With rust & oxidation inhibitor.
- 15 Meritor specification.
- 16 Fill to bottom of filler plug hole.
- 17 Allison specification, TES295, TES 389, TES439, TES 458.

MEDIUM & HEAVY TRUCKS

MANUAL TRANSMISSIONS

ARVIN/MERITOR (ROCKWELL)/ZF

ESS (ENGINE SYNCHRO SHIFT) & SURESHIFT

Heavy Duty Engine Oil	API SJ, SL, SM, SN	
Above 10°F (-12°C), 40, 50		
Above -15°F (-26°C), 30		
Gear Oil	API GL-14	
Above 10°F (-12°C), 90		
Below 15°F (-26°C), 80W		
Synthetic Oil	SL124 ¹⁵	
Above -40°F (-40°C), 50		

CAPACITIES	Liters	Qt
9 SPEED MANUAL		
M-11G9A-M11, M-12G9A-M12	9.7	10.2
M-13G9A-M13, M-14G9A-M14	9.7	10.2
M-15G9A-M15	9.7	10.2
M0-12G9A-M12, M0-13G9A-M13	9.7	10.2
M0-14G9A-M14	9.7	10.2
M0-11G9B-M11, M0-12G9B-M12	9.7	10.2
M0-13G9B-M13, M0-14G9B-M14	9.7	10.2
M0-15G9B-M15	9.7	10.2
10 SPEED MANUAL		
M-11G10A-M11, M-12G10A-M12	9.7	10.2
M-13G10A-M13, M-14G10A-M14	9.7	10.2
M-15G10A-M15, M-16G10A-M16	9.7	10.2
M0-11G10A-M11, M0-12G10A-M12	9.7	10.2
M0-13G10A-M13, M0-14G10A-M14	9.7	10.2
M0-15G10A-M15, M0-16G10A-M16	9.7	10.2
M0-16G10A-M16, M0-16G10A-M18	9.7	10.2
M0-11G10C-M11, M0-12G10C-M12	9.7	10.2
M0-13G10C-M13, M0-14G10C-M14	9.7	10.2
M0-15G10C-M15, M0-14G10C-M16	9.7	10.2
M0-16G10C-M16, M0-16G10C-M18	9.7	10.2
M0-17G10C-M17, M0-17G10C-M19	9.7	10.2
M0-18G10C-M18, M0-18G10C-M19	9.7	10.2
13 SPEED MANUAL		
RM0 ³ -145A	10.4	11.0

ZF	Liters	Qt
M6HD	5.4	5.7
S5-35	NA	NA
S6-65	9.4	9.9
S6-650	6.0	6.3

PLATFORM F MANUAL TRANSMISSION	Liters	Qt
M-14F10A-M16	9.7	10.2
M0-14F10A-M16	9.7	10.2
M0-14F10C-M16	9.7	10.2
M0-14F10C-M18	9.7	10.2
RM9-115A, RM9-125A	9.4	9.9
RM9-135A, RM9-145A	9.7	10.2
RM9-155A	9.7	10.2
RM09-125A	9.4	9.9
RM09-135A, RM09-145A	9.7	10.2
RMX9-125A	9.4	9.9
RMX9-135A, RMX9-145A	9.7	10.2
RM09-115B, RM09-125B	9.4	9.9
RM09-135B, RM09-145B	9.7	10.2
RMX9-115B, RMX9-125B	9.4	9.9
RMX9-135B	11.8	12.4
RMX9-145B, RMX9-155B	9.7	10.2
RMX9-115R, RMX9-125R	9.4	9.9
RMX9-135R, RMX9-145R	9.7	10.2
RM10-115A, RM10-125A	9.4	9.9
RM10-135A, RM10-145A	9.7	10.2
RM10-155A	9.7	10.2
RMX10-115A, RMX10-125A	9.4	9.9
RMX10-135A, RMX10-145A	9.7	10.2
RMX10-155A, RMX10-165A	9.7	10.2
RMX10-115C, RMX10-125C	9.7	10.2
RMX10-135C, RMX10-145C	9.7	10.2
RMX10-155C, RMX10-165C	9.7	10.2
RM013-145A	11.8	12.4
RS9-115A, RS9-125A	9.4	9.9
RS9-135A, RS9-145A	9.7	10.2
RS9-155A	9.7	10.2
RSX9-125A, RSX9-135A	9.7	10.2
RSX9-145A	9.7	10.2
RSX9-115B, RSX9-125B	9.4	9.9
RSX9-135B	11.8	12.4
RSX9-145B, RSX9-155B	9.7	10.2
RSX9-115R, RSX9-125R	9.4	9.9
RSX9-135R, RSX9-145R	9.7	10.2
RS10-115A, RS10-125A	9.4	9.9
RS10-135A, RS10-145A	9.7	10.2
RS10-155A	9.7	10.2
RSX10-11E, RSX10-125A	9.4	9.9
RSX10-13E, RSX10-145A	9.7	10.2
RSX10-15E, RSX10-165A	9.7	10.2
RSX10-11E, RSX10-125C	9.7	10.2
RSX10-13E, RSX10-145C	9.7	10.2
RSX10-15E, RSX10-165C	9.7	10.2
RS013-145A	11.8	12.4

CLARK

POWERSHIFT TRANSMISSION & TORQUE CONVERTER

Above 32°F (0°C)	30	SM, CD, HF
Above -10°F (23°C)	10W	SM, CD, HF
Above -30°F (23°C)		AF
Below 0°F (-18°C)	MIL-L-46167	
CAPACITIES		
	Liters	Qt
450	4.5	4.7
550	5.0	5.3

DANA/SPICER

Dana Spicer 5/6/7/12/14 Speed,		
ESO66-7B	CE, GF-4	
All Temperatures, 50		
Dana Spicer ES65-5A, PS140-7,		
PS150-7, 1372A, 6052A	SM, SN	
Above 0°F (-18°C), 50		
Below 0°F (-18°C), 3C		
Spicer Non Synchronized,		
5552A	CC, CD, CE, GL-1, SM, SN	
All Temperatures, 50		
Above 10°F (-12°C), \leq 50, 90		
Below 10°F (-12°C), \leq 80W		
Spicer 5/6/7/10 Speed		
	CD, GL-1, SM, SN	
All Temperatures, 50		
Above 10°F (-12°C), \leq 50, 90		
Below 10°F (-12°C), \leq 80W		
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 3C		
Spicer PS97-7A		
	CC, CD	
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 3C		
Spicer SST-9072AA		
	GL-5	
All Temperatures, 50		
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 3C		

CAPACITIES	Liters	Qt
AMO1000-4	6.6	7.0
ASO125-102S, ASO140-10S,		
ASO150-10S, ASO-165S	12.7	13.4
CM 4054-A, D	5.7	6.0
CM 4954-A, D	6.1	6.4
CM 5052-A, B, C, D	8.0	8.4
CM 5552-A, B, C, D, 5852-A	8.0	8.4
CM 5952-A, C, D, E	8.0	8.4
CM 6052-A, B, C, D, 3252-A, B,		
6253-A, B	8.5	9.0
ESO66-7B	10.4	11.0
ESO66-7B (MK9)	5.2	5.5
ES42-5A, D	5.7	6.0
ES43-5	5.7	6.0
ES52-5A, D	6.1	6.4
ES52-7B	10.4	11.0
ES52-7B (MK8)	5.2	5.5
ES53-5	5.7	6.0
ES60-5A, C, D, E	8.0	8.4
ES62-5	8.0	8.4
ES65-5A, B, D, E	8.5	9.0
ES67-5	8.0	8.4
LPSO125-10S	8.5	9.0
LPSO140-10S	8.5	9.0
LPSO-150-10S	8.5	9.0
P595-9A, PSI 25-9A, PSI40-9A,		
PSOI 25-9A, PSOI 40-9A &		
PSOI 50-9A	8.5	9.0
PSO100-10S, PSO125-10S,		
PSO140-10S & PSO150-10S	12.7	13.4
PSO-125-10S	8.5	9.0
PSO-125-10V	8.5	9.0
PSO-140-10S	8.5	9.0
PSO140-12B	14.2	15.0
PSO-145-10V	8.5	9.0
PSO-150-10S	8.5	9.0
PSO 150-16A	21.6	22.8
PSO150-16B, PSO165-16B,		
PSO175-16B & PSO165-16M	14.2	15.0
PSO-165-10S	8.5	9.0
PSO165-18A, PSO175-18A &		
PSO175-18M 30		
PS97-7A	19.4	20.5
PS105-7LL, PS130-EL	14.2	15.0
PS110-7A, B & PS145-7A	22.7	24.0
PS125-7B, PS140-7A	22.7	24.0
1207-2A	14.2	15.0
1310-2A, 4A	19.4	20.5
1352-A, 1452-A, 1453-A, PS130-5A	18.0	19.0
1362-A, B, C, 1364-C, 1463-A,		
PS130-6B, PS140-6A	19.4	20.5
1372-A	22.7	24.0
1414-2A, 3A	14.2	15.0
9072	19.4	20.5

EATON/FULLER/ ROAD RANGER

Linehaul		
500,000 Mile Extended Drain		
& Vocational 180,000 Mile Drain		
Interval Lubricant	SL125	
All Temperatures, SAE 50		
Other Manual Transmissions		
All Temperatures, SAE 50 Synthetic	TO-4	
All Temperatures, SAE 40, 50 Synthetic		

CAPACITIES	Liters	Qt
MID-RANGE TRANSMISSIONS		
5 SPEED		
FS-3005	4.5	4.7
FS-4005	4.5	4.7
FS-4205	5.4	5.7
FS-4205A, B, C	5.9	6.2
FS-4205A (MSG)	2.3	2.4
FS-4205A (MSC)	2.3	2.4
FS-5005	5.0	5.3
FS-5205, A, B	5.9	6.2
FS-5205A (MPU)	2.5	2.6
FS-5205C (MNC)	2.9	3.0
FS-5306	9.2	9.7
FS-5406	8.5	9.0
FS-5406A	9.2	9.7
FS-6105, FS-6106	9.0	9.5
FS-6205, FS-6305	9.0	9.5
FS-6305A, B	9.2	9.7
FS-6305A (MKO)	4.5	4.7
FS-6305B (MLO)	4.5	4.7
FS-6306	8.5	9.0
FS-6406A	9.2	9.7
FSO-5206A	6.5	6.8
6 SPEED		
FS-5106	8.5	9.0
FS-5306	8.5	9.0
FS-5406	8.7	9.2
FS-5406A	9.2	9.7
FS-6106	9.0	9.5
FS-6206	8.5	9.0
FS-6306	9.0	9.5
FS-6406A	9.2	9.7
FS-6406B	8.7	9.2
FS-7206	9.0	9.5
FS-8206	9.5	10.0
FS-7206	9.0	9.5
FS-8406	8.7	9.2
FSB-5406A	9.2	9.7
FSB-5406B	9.2	9.7
FSB-6406B	9.2	9.7
FSO-6406B	9.2	9.7
FSO-8406	9.2	9.7
7 SPEED		
FS-8607	9.4	9.9
T Series	17.0	18.0
HEAVY DUTY TRANSMISSIONS		
5 SPEED		
T-905, 905A, B, C, P	10.4	11.0
TC-11605	10.4	11.0
6 SPEED		
906	12.3	13.0
955AL	11.8	12.4
8206	9.8	10.3
1056AA	13.7	14.5
11606	12.3	13.0
7 SPEED		
RT-11707	13.2	14.0
T-8607A, B	17.0	18.0
T-11607A, B	14.2	15.0
T-14607, A, B	17.0	18.0
TX-14607, A, B	17.0	18.0
955AL	13.2	14.0
8 SPEED		
RT-9508, 9508A	11.8	12.4
RT-11608	12.3	13.0
RT-14608	13.2	14.0
RTO-1157DL	12.7	13.4
RTO-11607L	13.2	14.0
RTX-11708LL	13.2	14.0
1157DL	6.5	6.8
11607L	13.2	14.0
7608 LL	8.8	9.3
8608 LL	8.8	9.3
11708 LL	12.8	13.5
14708 LL	12.8	13.5
9 SPEED		
RT-6609	5.9	6.2
RT-6609, A	5.6	5.9
RT-6609 (MT3)	2.8	2.9
RT8608L	12.7	13.4
RT-8609, A	7.1	7.5
RT-8709-B	12.7	13.4
RT-8709 MS9)	6.1	6.4
RT-11509, A	11.8	12.4
RT-11607LL	14.6	15.4
RT-11609, A, B, P, R	12.7	13.4
RT-11707LL/DLL	13.2	14.0
RT-11709H	12.7	13.4
RT-12609A, B, P, R	12.7	13.4
RT-12709H	12.7	13.4

MEDIUM & HEAVY TRUCKS

MANUAL TRANSMISSIONS CONTINUED

CAPACITIES	Liters	Qt
RT-13609A, B, P, R	12.7	13.4
RT-13709H	12.7	13.4
RT-14609A, B, P, R	12.7	13.4
RT-14709H	12.7	13.4
RTO-11609, 11609A, B, P, R	12.7	13.4
RTO-11609A, B	12.7	13.4
RTO-12609A, B, P, R	12.7	13.4
RTO-14609A, B	12.7	13.4
RTL-16909A-T2	13.2	14.0
RTL-18909A-Ts	13.2	14.0
RTOC-18909A	13.2	14.0
RTOC-18909A	13.2	14.0
RTOC-9509B	11.8	12.4
RTX-11609B, R	12.7	13.4
RTX-11709H	12.3	13.0
RTX-12609A, B, P, R	12.7	13.4
RTX-12709H	12.7	13.4
RTX-13609A, B, P, R	12.7	13.4
RTX-13709H	12.7	13.4
RTX-14609A, H, P, R	12.7	13.4
RTX-14709H	12.3	13.0
RTX-16709B, H	12.7	13.4
906	11.8	12.4
9509	11.8	12.4
1157DLL	13.7	14.5
8709	12.3	13.0
8608L	12.7	13.4
10 SPEED		
FR-9210B, FR-11210B	11.1	11.7
FR-12210B, FR-13210B	11.1	11.7
FR-14210B, FR-15210B	11.1	11.7
FRM-15210C	11.1	11.7
FRO-9210B, FRO-11210B	11.1	11.7
FRO-12210B, FRO-13210B	11.1	11.7
FRO-14210B, FRO-15210B	11.1	11.7
FRO-16210B, FRO-11210C	11.1	11.7
FRO-12210C, FRO-13210C	11.1	11.7
FRO-14210C, FRO-15210C	11.1	11.7
FRO-16210C, FRO-17210C	11.1	11.7
FRO-18210C	11.1	11.7
R-6610, RT-610, RT-6610	5.7	6.0
RT-7608LL	9.2	9.7
RT-8908-LL	13.2	14.0
RT-11608LL	13.7	14.4
RT-11610	12.3	13.0
RT-11708LL	13.2	14.0
R/RT-11710, B, C	12.3	13.0
RT-12610	12.3	13.0
R/RT-12710, B, C	12.3	13.0
R/RT-13710, R/RT-14610	12.3	13.0
R/RT-14710, B	12.3	13.0
R/RT-15710, R/RT-16710	12.3	13.0
RT-11608LL	14.6	15.4
RT-11610	12.3	13.0
RT-11710B, C	12.3	13.0
RT-12610	12.3	13.0
RT-13710B, C	13.2	14.0
RT-14610	12.3	13.0
RT-14710B, C	12.3	13.0
RT-610, RT-6610	5.7	6.0
RT-7608LL	9.4	9.9
RTF-610	5.7	6.0
RTL-11710-14710	13.2	14.0
RTL-11610B, B-T2	13.2	14.0
RTL-12610B, B-T2	14.6	15.4
RTL-13610B, B-T2	13.2	14.0
RTL-14610A, B, B-T2	13.2	14.0
RTL-15610B, B-T2	13.2	14.0
RTL-16610B, B-T2	13.2	14.0
RTO-6610	5.6	5.9
RTO-11608LL	14.6	15.4
RTO-11610, B	13.2	14.0
RTO-11708LL	13.2	14.0
RTO-11908LL	13.2	14.0
RTO-14608LL	13.7	14.4
RTO-14610	12.3	13.0
RTO-14708LL	13.2	14.0
RTO-14908LL	13.2	14.0
RTO-16210C	11.3	12.0
RTO-16908LL	13.2	14.0
RTO-610	5.6	5.9
RTX-11610	12.3	13.0
RTX-11710B, C	12.3	13.0
RTX-12610	12.3	13.0
RTX-12710B, C	12.3	13.0
RTX-13710B, C	12.3	13.0
RTX-14610	12.3	13.0
RTX-14710B, C	13.2	14.0
RTX-15710B, C	13.2	14.0
RTX-16710B	12.3	13.0
7608LL	9.2	9.7
9/1258LL	13.2	14.0
11/14608LL	13.7	14.4
11708LL	13.2	14.0
14708LL	13.7	14.4
8/11/14/16908LL	13.2	14.0
610	5.6	5.9
910	11.8	12.4
1110	11.8	12.4
6610	5.6	5.9
9710	12.3	13.0
11210-16210	11.1	11.7
11610-14610	12.3	13.0
11710-16710	12.3	13.0

CAPACITIES	Liters	Qt
12510	11.8	12.4
15610	12.7	13.4
11 SPEED		
RTO-11709MLL, RTO-11909ALL	13.2	14.0
RTO-14709MLL, RTO-16909ALL	13.2	14.0
RTO-14909ALL	13.2	14.0
RTO-11909ALL	13.2	14.0
11/14709, 11/14909MLL	13.2	14.0
13 SPEED		
RT-613	13.2	14.0
RT-6613	7.5	7.9
RT-11613	13.2	14.0
RT-14613	13.7	14.4
RT-15613	13.7	14.4
RT-613	13.2	14.0
RT-6613	7.5	7.9
RTL-12713A	13.2	14.0
RTL-12913A	13.2	14.0
RTL-14613B	13.2	14.0
RTL-14713A	13.2	14.0
RTL-14913A	13.2	14.0
RTL-16713A	13.2	14.0
RTL-16913A	13.2	14.0
RTL-18913	13.2	14.0
RTL-18913A	13.2	14.0
RTL-20913A	13.2	14.0
RTL-11613	13.2	14.0
RTO-14613	13.7	14.4
RTO-15613	13.7	14.4
RTOF-14613	13.7	14.4
RTX-11613	13.2	14.0
913, 9513	12.7	13.4
11613-15613	13.7	14.4
11813-15813	13.7	14.4
12513	12.7	13.4
15 SPEED		
RT-11615	13.2	14.0
RT-11715	14.2	15.0
RT-14615	14.2	15.0
RT-14715	13.2	14.0
RT-14915	13.2	14.0
RT-15615	14.2	15.0
RT-15715	13.2	14.0
RTO-11615	13.2	14.0
RTO-11715	13.2	14.0
RTO-14615	14.2	15.0
RTO-14715	13.2	14.0
RTO-14915	13.2	14.0
RTO-15615	14.2	15.0
RTO-15715	13.2	14.0
RTO-16915	13.2	14.0
RTX-11715	14.2	15.0
RTX-15715	13.2	14.0
915	13.2	14.0
12515	13.2	14.0
11615	13.2	14.0
11/14/15715	13.2	14.0
14/15615	14.2	15.0
14/16915	13.2	14.0
18 SPEED		
RTL-14618A	13.2	14.0
RTL-14718B	13.2	14.0
RTL-14918B	13.2	14.0
RTL-16618A	13.2	14.0
RTL-16718B	13.2	14.0
CAPACITIES	Liters	Qt
RTL-16918B	13.2	14.0
RTL-18718B	13.2	14.0
RTL-18918B	13.2	14.0
RTL-20918B	13.2	14.0
RTL-22918B	13.2	14.0
RTL-9118	13.2	14.0
RTO-15618	13.2	14.0
15618	13.2	14.0
AUXILIARY TRANSMISSION		
AT-1202	5.2	5.5
2-A-92	5.6	5.9

HINO		
All		GL-4
Above 90°F (32°C), 140		
10° to 90°F (-12° to 32°C), 90		
CAPACITIES	Liters	Qt
FS-4205, 5205	5.4	5.7
FS-6205, 6305	9.0	9.5
FS-5306, 6306	8.5	9.0
FS-5406	8.5	9.0
FS-6406	9.2	9.7
FSO-8406	9.2	9.7
LE05S	5.3	5.6
LF05S	6.0	6.3
LH05S	5.3	5.6
LJ06S	8.0	8.4
MF06S	11.5	12.1
MG06S	9.5	10.0

ISUZU		
Isuzu MBG5A, MBG5F, MBG5H, MBG5K, IMLD6F, MLD6Q & MLH5G		GL-5

14° to 95°F (-10° to 35°C), 90		
Above -13°F (-25°C), 80W-140		
Isuzu MBP6P, MLD6Q, MSA5D, MXA5C, MXA5D & MZZ	SJ, SL, SM, SN	
Above 90°F (35°C), 40		
Below 90°F (35°C), 5W-30		
CAPACITIES	Liters	Qt
MBG5B, MBG5F	4.7 ¹	5.0
MBP	5.3	5.6
MLD6 & MLD6Q	6.5 ¹	6.8
MLH5G	9.8	10.3
MSA5D	2.5	2.6
MXA5C	3.2	3.4
MZZ	4.4	4.6

MACK		
Transmission Fluid		GLS96
All Temperatures, SAE 40, 50		
Gear Oil		GO-J, GO-J+
Mineral All Temperatures, 80W-90, 80W-140, 85W-140		
Synthetic All Temperatures, 75W-90, 75W-140, 80W-140		
CAPACITIES	Liters	Qt
T305	9.4	9.9
T306	11.3	11.9
T306G	9.4	9.9
T307, T307M	14.2	15
T308	11.3	11.9
T308M	14.2	15
T309, T309L, T309LR	11.3	11.9
T310	11.3	11.9
T310M, T310ME, T310MLR	14.2	15.0
T313, T313L, T313LR, T313L21, T313LR21	14.2	15.0
T318, T318L, T318LR, T318L21, T318LR21	14.2	15.0
T-2050, 2050A	9.4	9.9
TM308	11.3	11.9
TM308M	14.2	15
TM309	11.3	11.9
TM309M	14.2	15
TMD12AD, TMD12AO, TMD12AO23	16	18
TRDL-107, 107A, 1070, 1070A	10.4	11.0
TRXL-107, 1071	10.4	11.0
TRDLG-1070, 1070A	10.4	11.0
TRL-1076, 1078	10.4	11.0
T-2060, 2070, 2070C, 2070F, 2080, 2080C, 2090, 2090B, 2100	11.3	11.9
TRTXL-107, 107A, 1070	13.2	13.9
T-2070A, 2070B, 2070D, 2080B, 2080D, 2130, 2130B, 2180, 2180B	14.2	15.0

MERCEDES-BENZ		
Mercedes Benz Five-Speed		SM, AF2
14° to 68°F (-10° to 20°C), 20W-20		
-4° to 32°F (-10° to 0°C), 10W		
<small>Note: General Motors stopped licensing Dexron III after Dec. 31, 2006. Dexron VI is to be used when seal and O-ring materials have been changed based on a serial number breakpoint.</small>		
Mercedes Benz Six-Speed		GL-4
CAPACITIES	Liters	Qt
AK 6-80, 6-90, S6-80 & 6-90	12.7	13.4
AK 6-80V & S6-80V	14.2	15.0
GV 4/110	19.0	20.0
MBG 3/40 & 3/60	5.2	5.5

MITSUBISHI FUSO		
General Use		80W GL-3
Warm Region		80W, 90 GL-3
Tropical Region		80W, 90 GL-4
CAPACITIES	Liters	Qt
M3S5	4.5	4.7
M5S5 & M6S5	4.5	4.7
M8S5	7.4	7.8
M8S2X5	17.0 ⁴	18.0
M8S6	5	5
M035S5	5	5
M036S5	3.6	3.8
M036S6	4.3	4.5
M040S5	5	5
M050S5	5.4 ³	5.7
M060S5	5.6 ³	5.9
M060S6	6.7 ³	7.1
M070S6	8.1 ³	8.6

MUNCIE		
CH & SM-465		80W-90 GL-5
CAPACITIES	Liters	Qt
CH & SM-465	3.8	4.0

NEW PROCESS/VENTURE		
440 & 833		AF3
433, 434, 540, 541 & 542		GL-4, GL-5

MEDIUM & HEAVY TRUCKS

MANUAL TRANSMISSIONS CONTINUED

Above -10°F (-12°C), 90		
Below 10°F (-12°C), 80W		
435, 7500 & 7550	GL-4, GL-5	
Above -10°F (-12°C), 90		
Below 10°F (-12°C), 80W		
NV3500	GLS31	
NV4500	75W-85 Synthetic	GL-4
CAPACITIES	Liters	Qt
540, 541, 542 5400	4.7	5.0
7550, 7590	10.4	11.0
NV3500	6	6
NV4500	3.8	4.0

NISSAN UD

MES50A, MES50B, MES50C, MHS61A	GL-4	
Below 104°F (40°C), 75W-90, 80W-90		
Below 86°F (30°C), 80W		
Above 50°F (10°C), 140		
Below 50°F (10°C), 75W		
32° to 104°F (0° to 40°C), 90		
13° to 86°F (-1° to 30°C), 85W		
MHS50U, MHS60A, MLS61A, MLS61B,		
MLS62B, MPS50V, MPS60B, MPS62T	GL-5	
12° to 122°F (-11° to 50°C), 90		
12° to 104°F (-11° to 40°C), 85W-90		
13° to 104°F (-25° to 40°C), 80W-90		
-13° to 95°F (-25° to 35°C), 80W		
MHS62A, MLS63B	GL-4	
15° to 120°F (-9° to 49°C), 90		
15° to 105°F (-9° to 41°C), 85W-90		
-15° to 105°F (-26° to 41°C), 80W-90		
-15° to 95°F (-26° to 35°C), 80W		
CAPACITIES	Liters	Qt
MES50A, MES50B & MES50C	3.9	4.1
MHS50U & M-1S60A	5.0	5.3
MHS62A	10	10
MLS61A & MLS61B	7	7
MLS63B	9	9
MPS50V	7.9	8.3
MPS60B	7.0	7.4
MPS62T	8	8
TMH425	7.5	7.9
TMH464	7.1	7.5

SPICER TRANSMISSION TECHNOLOGIES

Dana Spicer 5/6/7/12/14 Speed,		
ESO66-7B	CE, CG-4	
All Temperatures, 50		
Dana Spicer ES65-5A, PS140-7,		
PS150-7, 1372A, 6052A	SM, SN	
Above 0°F (-18°C), 50		
Below 0°F (-18°C), 30		
Spicer Non Synchronized,		
5552A	CC, CD, CE, GL-1, SM, SN	
All Temperatures, 50		
Above 10°F (-12°C), 40, 50, 90		

Below 10°F (-12°C), 30, 80W		
Spicer 5/6/7/10 Speed	CD, GL-1, SM, SN	
All Temperatures, 50		
Above 10°F (-12°C), 40, 50, 90		
Below 10°F (-12°C), 30, 80W		
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 30		
Spicer PS97-7A	CC, CD	
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 30		
Spicer SST-9072AA	GL-5	
All Temperatures, 50		
Above 0°F (-18°C), 30, 50		
Below 0°F (-18°C), 30		
CAPACITIES	Liters	Qt
AMO1000-4	6.6	7.0
ASO125-102S, ASO140-10S,		
ASO150-10S, ASC-165S	12.7	13.4
CM 4054-A, D	5.6	5.9
CM 4954-A, D	6.1	6.4
CM 5052-A, B, C, D	8.0	8.4
CM 5552-A, B, C, D, 5852-A	8.0	8.4
CM 5952-A, C, D, E	8.0	8.4
CM 6052-A, B, C, D, 3252-A, B,		
6253-A, B	8.5	9.0
ESO66-7B	10.4	11.0
ESO66-7B (MK9)	5.2	5.5
ES42-5A, D	5.6	5.9
ES43-5	5.6	5.9
ES52-5A, D	6.1	6.4
ES52-7B	10.4	11.0
ES52-7B (MK8)	5.2	5.5
ES53-5	5.6	5.9
ES60-5A, C, D, E	8.0	8.4
ES62-5	8.0	8.4
ES65-5A, B, D, E	8.8	9.3
ES67-5	8.0	8.4
LPSO125-1CS	8.5	9.0
LPSO140-1CS	8.5	9.0
LPSO150-1CS	8.5	9.0
P595-9A, PSI 25-9A, PSI40-9A,		
PSOI 25-9A, PSOI 40-9A &		
PSOI 50-9A	8.5	9.0
PSO100-10S, PSO125-10S,		
PSO140-10S & PSO150-10S	12.7	13.4
PSO-125-10S	8.5	9.0
PSO-125-10V	8.5	9.0
PSO-140-10S	8.5	9.0
PSO140-12B	14.2	15.0
PSO-145-10V	8.5	9.0
PSO-150-10S	8.5	9.0
PSO 150-16A	21.6	22.8
PSO150-16B, PSO165-16B,		
PSO175-15B & PSO165-16M	14.2	15.0
PSO-165-10S	8.5	9.0
PSO165-18A, PSO175-18A &		
PSO175-18M	14.2	15.0
PS97-7A	19.4	20.5
PS105-7LL, PS130-6	14.2	15.0
PS110-7A, B & PS145-7A	22.7	24.0
PS125-7B, PS140-7A	22.7	24.0
1207-2A	14.2	15.0
1310-2A, 4A	19.4	20.5
1352-A, 1452-A, 1453-A, PS130-5A	18.0	19.0

CAPACITIES	Liters	Qt
1362-A, B, C, 1364-C, 1463-A,		
PS130-6B, PS140-6A	19.4	20.5
1372-A	22.7	24.0
1414-2A, 3A	14.2	15.0
9072	19.4	20.5

VOLVO

F6 Five- & Six-Speed	GL-1, GL-4	
Above -13°F (-25°C), 80W,		
Below -13°F (-25°C)		
FE6 & FE7: Five & Six-Speed	CD, GL-1, GL-4	
Above -13°F (-25°C), 80W, 80W-90		
-13° to 86°F (-25° to 30°C), 40		
-13° to 32°F (-25° to 0°C), 30		
FE6, FE7, N10 & N12 Eight-Speed	CD, GL-1	
Above -13°F (-25°C), 80W-90		
-13° to 86°F (-25° to 30°C), 40		
-13° to 32°F (-25° to 0°C), 30		
F7 & N-10 (R-63) Eight-Speed	CD, GL-1	
Above 86°F (30°C), 140		
14° to 86°F (-10° to 30°C), 90		
Severe cold, 75W		
Do not use multigrade motor oils.		
CAPACITIES	Liters	Qt
AT12512C, ATO2512C, AT2812C &		
ATO3112C1	NA	NA
R50	8.0	8.4
R51 & R52	9.0	9.5
R62	12.3 ¹¹	13.0
R70 & SR70	9.9 ¹³	10.4
R1000	9.4 ¹²	9.9
R1400 & R1700	12.3 ¹²	13.0
SR62	14.6 ¹¹	15.4
SR1400 & SR1900	13.2 ¹²	14.0

MANUAL TRANSMISSION NOTES

- 1 With PTO, add 0.9 liters 0.9 qts.
- 2 Refer to nameplate on transmission housing for model identification.
- 3 PTO add 0.4 liters 0.8 pts.
- 4 PTO add 0.9 liters 1.9 pts.
- 5 Fill to bottom of filler plug.
- 6 2WD, 2.3 liters 5 pts.; 4WD, 2.0 liters 4.4 pts.
- 7 1998 models, 6.4 liters 6.7 qts. 1999-2003 models less PTO, 6.2 liters 6.5 qts.; w/PTO, 6.7 liters 7.1 qts.
- 8 1998 models, fill to bottom of filler plug hole. 1999-2003 models less PTO, 7.7 liters 8.1 qts.; w/PTO, 8.0 liters 8.4 qts.
- 9 Less PTO, 6.8 liters 7.2 qts.; w/PTO, 7.3 liters 7.7 qts.
- 10 Less PTO, 5.2 liters 5.5 qts.; w/PTO, 5.9 liters 6.2 qts.
- 11 Add 0.4 liter 1 pt for PTO.
- 12 With oil cooler add 0.9 liters 2 pts.; w/single PTO add 0.4 liters 1 pts.; w/double PTO, add 0.7 liters 1.5 pts.
- 13 With oil cooler add 0.9 liters 2 pts.; w/PTO add 0.4 liters 1 pts.
- 14 With rust & oxidation inhibitor.
- 15 Meritor specification.
- 16 Fill to bottom of fill plug, check level through sight glass.

TRANSFER CASES

FABCO		
Heavy Duty Engine Oil	GLS98	
Above 10°F, SAE 50		
Below 10°F, SAE 30		
Mineral Gear Oil		
Above 10°F, SAE 90		
Below 10°F, SAE 80W		
MIL-L-21053 E.P. Oil,		
ex. Sulfurchlorine-lead type		
Above 10°F, SAE 90		
Below 10°F, SAE 80W		
CAPACITIES	Liters	Qt
TC-33	7.0	7.4
TC-35	6.6	7
TC-38	1	1
TC-65	8.5	9
TC-80	9.7	10.2
TC-110	9.7	10.2
TC140	18.9	20.0
TC141	18.9	20.0
TC-142	17.0	18.0
TC-142PD	20.8	22.0
TC143	14.6	15.4
TC160 & 160T	9.4	9.9
TC-170	6.1	6.4
TC-170PD	6.1	6.4
TC-200	9.4	9.9
TC237	6.1	6.4
TC270	10.4	11.0
TC-142	18.9	20.0
TC-1702	1	1

MACK

Gear Oil	GO-J, GO-J+	
Mineral All Temperatures, 80W-90, 80W-140, 85W-140		
Synthetic All Temperatures, 75W-90, 75W-140, 80W-140		
CAPACITIES	Liters	Qt
TC-15	9.4	9.9
TC-25	9.4	9.9

MERITOR

Gear Oil	API GL-1²	
Above 10°F (-12°C), 90		
Below 15°F (-26°C), 80W		
Heavy Duty Engine Oil	API SJ, SL, SM, SN	
Above 10°F (-12°C), 40, 50		
Above -15°F (-26°C), 30		
Synthetic Oil	SL124	
Above -40°F (-40°C), 50		
CAPACITIES	Liters	Qt
MTC-4208, MTC-4210 T MTC-4213	6.1	6.4
T-32	0.9	1.0
T-215	1.4	1.5
T-221	1.9	2.0
T-223	2.3	2.4
T-226	6.1	6.4
T-228	19.8	20.9
T-2111, D, HP, ST, T	1.4	1.5
T-2111-HD, HT	2.3	2.4
T-2111-PD, SPD	2.9	3.0
T-2119	7.4	7.8
TG-2213	6.1	6.4

MITSUBISHI FUSO

General Use	GL-3	80W
Warm Region	GL-3	90
Tropical Region	GL-4	80W
CAPACITIES	Liters	Qt
TF3	2.4	2.5

TIMKEN/ROCKWELL

Gear Oil	API GL-1²	
Above 10°F (-12°C), 90		
Below 15°F (-26°C), 80W		
Heavy Duty Engine Oil	API SJ, SL, SM, SN	
Above 10°F (-12°C), 40, 50		
Above -15°F (-26°C), 30		
Synthetic Oil	SL124	
Above -40°F (-40°C), 50		
CAPACITIES	Liters	Qt
All	1	1

TRANSFER CASE NOTES

- 1 Fill to bottom of filler plug.
- 2 With rust & oxidation inhibitor.

MEDIUM & HEAVY TRUCKS

DIFFERENTIALS

EATON		
Differential (Linehaul 500,000 Mile Extended Drain Interval)		
Lubricant	GLS99	
All Temperatures, SAE 75W-90		
Differential (Vocational 180,000 Mile Drain Interval Lubricant)	Synthetic GL-5	
All Temperatures, SAE 75W-90, 80W-140		
Differential	GLS97	
All Temperatures, SAE 75W, 75W-90, 80W-90, 85W-140		
CAPACITIES	Liters	Qt
SINGLE REDUCTION SINGLE DRIVE AXLES		
13101, 15101	10.8	11.4
15040S	9.9	10.4
15131	10.8	11.4
16121, 16131	15.6	16.5
17060D, S	3	3
17101, 17103	17.5	18.5
17120, 17121, 17123	17.5	18.5
17131, 17133	17.5	18.5
17401, 17421	17.5	18.5
18101, 18121, 18123	17.5	18.5
19050S, 19055D, S, 19060A	3	3
19060D, 19060S	13.2	14.0
19101, 19121	17.5	18.5
20101, 20121	17.5	18.5
21060D, 21060S	13.2	14.0
21065D, S, 21080A, D, S, 21090A, D, S	3	3
21121, 21131, 21133, 21421	17.5	18.5
22060S	13.2	14.0
22065D, S	3	3
22121, 22123, 22131, 22133	17.5	18.5
22421	17.5	18.5
23070D, S	3	3
23080, 23080S	18.9	20.0
23080A, D	3	3
23085D, 23085S	18.9	20.0
23085D, S, 23090A, D, S	3	3
23105A	3	3
23105S, 23105D	22.7	24.0
23105S	26.5	28.0
23121, 23123, 23133, 23421	19.4	20.5
23431	18.9	20.0
26080A, D, S	3	3
26080P	18.9	20.0
26085P	18.9	20.0
26090A, D, S	3	3
26105	26.5	28.0
26105A	3	3
26105S	53.0	56.0
26121	19.4	20.5
26421	19.4	20.5
30105A	3	3
30105S	26.5	28.0
30127	19.4	20.5
30427	19.4	20.5
2 SPEED & PLANETARY DOUBLE REDUCTION SINGLE DRIVE AXLES		
E2300S	5	5
15	10.8	11.4
16	15.5	16.3
17/18	17.5	18.5
21/22	17.5	18.5
23/26	19.4	20.5
30/35	19.4	20.5
15040	11.3	11.9
15040T/P	11.3	11.9
15201	10.8	11.4
15301	10.8	11.4
16244	15.6	16.5
16344	15.6	16.5
17201, 17221, 17301, 17321	7.5	7.9
18201, 18221, 18301, 18321	7.5	7.9
19050	16.0	16.9
19050T/P	15.6	16.5
19055T/P	16.5	17.4
19060T/P	16.5	17.4
21060T/P	16.5	17.4
21065	16.0	17.0
21065T/P	16.0	17.0
22065T/P	16.5	17.4
22221	17.5	18.5
22321	17.5	18.5
23070	18.4	19.4
23070T/P	18.4	19.4
23080T/P	19.4	20.5
23085T/P	19.4	20.5
23221	19.4	20.5
23321	19.4	20.5
26080T/P	19.4	20.5
26085	17.0	18.0
26221	19.4	20.5
26321	19.4	20.5
30055P	17.0	18.0
30227	19.4	20.5
30327	19.4	20.5
30505P	21.7	23.0
35055P	17.0	18.0
35327	19.4	20.5

CAPACITIES	Liters	Qt
SINGLE REDUCTION TANDEM DRIVE AXLES		
DD404, DS404	6	6
DS340, DS341	18.4	19.4
DS344	15.1	16.0
DS380, DS380-P	18.4	19.4
DS381, DS381-P	18.4	19.4
DS400-P	18.4	19.4
DS401, DS401-P	18.4	19.4
DS402, DS402-P	33.1	35.0
DS403, DS403-P	18.4	19.4
DS404	18.4	19.4
DS440-P	20.8	22.0
DS451	18.4	19.4
DS454P	14.6	15.4
DS451-P	18.4	19.4
DS460-P	20.8	22.0
DS461-P	20.3	21.4
DS480-P	20.3	21.4
DS521	19.8	20.9
DS581-P	19.8	20.9
DSH44	15.1	16.0
RS340, RS341	17.0	18.0
RS344	14.2	15.0
RS380, RS381	17.0	18.0
RS400, RS401, RS402, RS404	17.0	18.0
RS440	18.9	20.0
RS451	17.0	18.0
RS460, RS461	18.9	20.0
RS480	18.9	20.0
RS521	18.4	19.4
RS581	8.4	8.9
RSH44	14.6	15.4
34DS	13.7	14.4
DUAL RANGE PLANETARY DOUBLE REDUCTION TANDEM DRIVE AXLES		
DP340	18.4	19.4
DP341	18.4	19.4
DP380	18.4	19.4
DP380-P	18.4	19.4
DP381	18.4	19.4
DR381-P	18.4	19.4
DP400-P	18.4	19.4
DP401-P	18.4	19.4
DP402	18.4	19.4
DP402-P	18.4	19.4
DP440-P	21.2	22.4
DP451-P	16.0	16.9
DP460-P	21.2	22.4
DP461-P	20.3	21.4
DP480-P	20.8	22.0
DP485-P	20.8	22.0
DP521-P	19.8	20.9
DP580-P	19.4	20.4
DP601-P	19.8	20.9
DP650-P	19.4	20.4
DP651-P	19.4	20.4
DT340	18.4	19.4
DT341	18.4	19.4
DT380	18.4	19.4
DT380-P	18.4	19.4
DT381	18.4	19.4
DT381-P	18.4	19.4
DT400-P	18.4	19.4
DT401	18.4	19.4
DT401-P	18.4	19.4
DT402	18.4	19.4
DT402-P	18.4	19.4
DT440-P	21.2	22.4
DT451	18.4	19.4
DT451-P	18.4	19.4
DT460-P	21.2	22.4
DT461-P	21.2	22.4
DT480-P	20.8	22.0
DT485-P	20.8	22.0
DT521-P	19.8	20.9
DT580-P	19.4	20.4
DT581-P	19.8	20.9
DT601-P	19.8	20.9
DT651-P	19.4	20.4
DT652-P	19.4	20.4
RP340	17.0	18.0
RP341	17.0	18.0
RP380	17.0	18.0
RP381	17.0	18.0
RP400	17.0	18.0
RP401	17.0	18.0
RP402	17.0	18.0
RP451	16.0	16.9
RP461	18.9	20.0
RP521	18.4	19.4
RP601	18.4	19.4
RP651	17.5	18.5
RT340	17.0	18.0
RT380	17.0	18.0
RT381	17.0	18.0
RT400	17.0	18.0
RT401	17.0	18.0
RT402	16.0	16.9
RT451	16.0	16.9
RT461	18.9	20.0

FABCO		
Fabco		GL-5
Above 32°F (0°C), 80W-140		
Below 32°F (0°C), 80W-90		
CAPACITIES	Liters	Qt
FSD-8A, FSD-10A, FSD-12A, FSD-14A, FSD-18A, FSD-21A, FSD-23A	3	3
SDA-9, SDA-12, SDA-14, 16, 18	3	3
FSDF-14-G	11	11
FSFN-14-G	11	11
FSFP-14-G	11	11
FSMP-14-G	11	11
FSND-12-G	11	11
SDA-20	13.2	13.9
SDA-21	16.0	16.9
SDA-23	16.0	16.9
SDA-1200, 1300, 1400, 1600, 1800, 2000, 2100, 2300	3	3
SSDP-18-G	11	11

HINO		
Hino ex. 2013 COE		GL-5
Above 90°F (32°C), 140		
10° to 90°F (-12° to 32°C), 90		
2013 COE		GL-5
All temperatures, 90		
CAPACITIES	Liters	Qt
MS12-113	6.6	7.0
MS-13	7.6	8.0
RS-13-120	7.6	8.0
RS-17-145	15.9	16.3
RS-19-145	15.7	16.5
RS-21-145	15.3	16.2
RS-23-160	18.7	19.7
SH13 & SS13	3.7	3.9
SH14 & SS14	5.5	5.8
SH16 & SS16	9.9	10.4
SS12	3.5	3.7
SS15	7.1	7.5
SS17	7.1	7.5

MACK		
Gear Oil		GO-J, GO-J+
Mineral All Temperatures, 80W-90, 80W-140, 85W-140		
Synthetic All Temperatures, 75W-90, 75W-140, 80W-140		
CAPACITIES	Liters	Qt
23105	26.5	28.0
30105	25.5	28.0
30055	17.0	18.0
CRD (LP) (PC) 92 (1)	32.6	34.4
CRD (L) 93 (1)	32.6	34.4
CRD (P) 95	35.0	37.0
CRD 96	35.0	37.0
CRD 113	32.6	34.4
CRD 201	33.3	35.2
CRD201-1	16.3	17.2
CRD (P) 202 (1)	33.3	35.2
CRD 203 (1)	33.3	35.2
CRD203-1	16.3	17.2
CRD203-1-A	13.2	14.0
CRDP 200	33.3	35.2
CRDPC 112	32.6	34.4
DS405(P)	29.3	31.0
DS462P	43.3	45.7
ES60C, Type D.R. ¹	35.0	37.0
EW48C-W ¹ , Type D.R.	41.6	44.0
EW60C ¹ , Type D.R.	35.0	37.0
P769-03 ²	9.0	9.5
P1040 ²	14.0	14.8
P1041	15.3	16.2
P1140 ²	14.0	14.8
P1141	15.3	16.2
RAD529C, Type D.R.	NA	NA
RAD23C, Type D.R.	14.6	15.4
RAD231C, Type D.R.	14.6	15.4
RAD29C, Type D.R.	14.6	15.4
RAD38C, Type D.R.	14.6	15.4
RAS512C, Type S.R.	NA	NA
RAS23C, Type S.R.	13.2	14.0
RA23 (w/CRD93 1 A Carrier)	13.2	14.0
RA23 (w/CRD203 1 Carrier)	16.3	17.2
RA23C, Type S.R.	NA	NA
RA30	16.3	17.2
SA38C-W, Type D.R.	27.9	29.5
SA441C-W, Type D.R.	NA	NA
SC34C-W, Type D.R.	NA	NA
SC342C-W, Type D.R.	27.4	28.9
SC38C-W, Type D.R.	27.9	29.5
SH34C-W, Type D.R.	27.9	29.5
SH342C-W, Type D.R.	27.4	28.9
SHB342C-W, Type D.R.	27.4	28.9
SHB38C-W, Type D.R.	27.9	29.5
SH38C-W, Type D.R.	27.9	29.5
SH441C-W, Type D.R.	NA	NA
SS34C-W, Type D.R.	27.9	29.5
SS342C-W, Type D.R.	27.4	28.9
SS38C-W, Type D.R.	27.9	29.5
SSB38C-W, Type D.R.	27.9	29.5

MEDIUM & HEAVY TRUCKS

DIFFERENTIALS CONTINUED

CAPACITIES	Liters	Qt
SS381C-W, Type D.R.	NA	NA
SS440C, Type D.R.	27.9	29.5
SS441C, Type D.R.	23.4	24.7
SS50C, Type D.R.	26.0	27.4
SS58C, Type D.R.	26.0	27.4
ST34C-W, Type D.R.	27.9	29.5
ST38C-W, Type D.R.	NA	NA
SV34C-W, Type D.R.	NA	NA
SV38C-W, Type D.R.	NA	NA
SW342C-W, Type D.R.	27.4	28.9
SWB342C-W, Type D.R.	27.4	28.9
SW38C-W, Type D.R.	27.9	29.5
SWB38C-W, Type D.R.	27.9	29.5
SW440C, Type D.R.	27.9	29.5
SW441C, Type D.R.	23.1	24.4
SW50C, Type D.R.	26.0	27.4
SW58C, Type D.R.	26.0	27.4
RAD530C, Type D.R.	NA	NA
SS65C-W, Type D.R.	35.0	37.0
SW65C-W, Type D.R.	35.0	37.0
SW80W, Type D.R.	35.0	37.0
SWP800W, Type D.R.	35.0	37.0
SWP801W, Type D.R.	35.0	37.0

MERCEDES-BENZ

All	90, 85W-140	GL-5
HL4-7.5	5.5	5.8
HL4-8.8	5.5	5.8
HL4-10	5.5	5.8
HL5/2-10	11.0	11.6
HL5-10	11.0	11.6

MERITOR

Gear Oil GL-5

Above 10°F (-12°C), 85W-140

Above -15°F (-26°C), 80W-90

Above -40°, 75W-90, 75W-140

-40° to 36°F (-40° to 2°C), 75W

Use Meritor-approved fluids

Above -40°, 75W-90 Synthetic, 75W-140 Synthetic

CAPACITIES	Pt
SINGLE DRIVE AXLES	
A-150	2.6
B-100	4.7
B-140	5.7
B-150	1.7
C-100	5.9
D-100, D-140	5.9
E-100	7.1
E-105	5.9
E-150	4.25
F-100, F-106	6.2
F-120, F-121	7.1
F-140	6.6
FDS-75, FDS-78	6.6
FDS-85	7.1
FDS-90, FDS-93	6.6
FDS-750	3.3
FDS-1600	10.9
FDS-1800, FDS-1805	16.6
FDS-1807	12.8
FDS-1808, FDS-2100, FDS-2101	13.2
FDS2107, FDS-2110, FDS-2111	
FDS-2117	20.3
G-161	9.9
H-100	9.5
H-140	9.9
H-150	2.5
H-162	9.5
H-170, H-172	12.8
L-100	10.9
L-140, L-155	11.4
L-172, M-172	12.8
Q-100	14.7
Q-145	11.4
QT-140	11.4
R-100	14.2
R-140, R-155, R-160	13.2
R-163	16.1
R-170	20.3
RL-170, S-170	22.7
U-140	11.4
U-170	20.3
W-170	20.3

REAR AXLE OF TANDEMS

SDHD (DHR Rear)	7.6
SFHD (FHR Rear)	7.8
SHHD (HHR Rear)	12.3
SLHD (LHR Rear)	15.1
SQHD (QHR Rear)	14.7
SQHP (QAR Rear)	17
SRHD (RHR Rear)	17
SSHD (SHR Rear)	13.2
STHD (THR Rear)	13.2
SUHD (UHR Rear)	13.2
SL100 (LR-100 Rear)	17.5
SQ100 (QR-100 Rear)	15.6
ST170 (TR-170 Rear)	20.3

CAPACITIES	Pt
SW-170 (WR-170 Rear)	20.3
SINGLE SPEED AXLE	
MX-10-120	7.6
MX-12-120	7.6
MX-14-120	7.6
MX-16-120	7.6
MX-21-160	20.3
MX-23-160	20.3
RF-7-120	7.2
RF-9-120	7.2
RF-12-120	7.2
RF-12-125	7.2
RF-16-145	17.2
RF-21-155	13.2
RF-21-156	13.2
RF-21-160	20.7
RF-21-185	18.6
RF-21-355	13.2
RF-22-166	20.7
RF-23-180	18.6
RF-23-185	18.6
RS-13-120	7.1
RS-15-120	7.1
RS-16-140	15.9
RS-17-140	15.1
RS-17-141	15.9
RS-17-144	15.3
RS-17-145	15.9
RS-19-144	15.3
RS-19-145	17
RS-21-145	16.6
RS-21-160	18.7
RS-23-160	20.3
RS-23-160A	18.7
RS-23-161	17.5
RS-23-180	18.5
RS-23-185	18.5
RS-23-186	18.5
RS-25-160	18.5
RS-25-160A	17.6
RS-26-160	24.1
RS-26-180	18
RS-26-185	18
RS-30-180	18
RS-30-185	18
TWO SPEED AXLE	
All	15
TANDEM AXLE FORWARD CARRIERS	
All	15

MITSUBISHI FUSO

Mitsubishi	GL-5
Above 104°F (40°C), 140	
Below 104°F (40°C), 90	
CAPACITIES	
D1H	3.0
D2H	2.7
D3H	2.7
D4H 13	6.5
D8H 13	6.5
D033H	8.0
D035H	8.0
D040H	4.5
D050H	6.5
D052H	6.5

NISSAN UD

1100, 1200, 1300, 1400, 1800CS	GL-5
Below 104°F (40°C), 75W-90, 80W-90	
Below 86°F (30°C), 80W	
Above 50°F (10°C), 140	
Below 50°F (10°C), 75W	
32° to 104°F (0° to 40°C), 90	
13° to 86°F (-10° to 30°C), 85W	
550, 600, 1800, 1800HD, 2000, 2300, 2300D, 2300L, 2630, 2800, 3000H, 3000S, 3300	
14° to 104°F (-10° to 40°C), 85W-140	
13° to 95°F (-11° to 35°C), 90	
-13° to 95°F (-25° to 35°C), 80W-140	
-13° to 86°F (-25° to 30°C), 80W-90	
Above 32°F (0°C), 140	
CAPACITIES	
H296	6.1
RS55	7.0
RS75	9.0
SRHD	6.0
SRHF-2	4.0
SRHF-3	7.2
SRHH-1	6.5
SRHH-2	9.0
SRHL	12.0
SRHL-1	13.0

ROCKWELL

Gear Oil GL-5

Above 10°F (-12°C), 85W-140
 Above -15°F (-26°C), 80W-90
 Above -40°, 75W-90, 75W-140
 -40° to 36°F (-40° to 2°C), 75W
 Use Meritor-approved fluids

Above -40°, 75W-90 Synthetic, 75W-140 Synthetic

CAPACITIES 1	Liters	Qt
SINGLE AXLES		
A-150	2.6	2.7
B-100	4.7	5.0
B-140	5.6	5.9
B-150	1.6	1.7
C-100	5.9	6.2
D-100	5.9	6.2
D-140	5.9	6.2
E-100	7.1	7.5
E-105	5.9	6.2
E-150	4.2	4.4
F-100	6.1	6.4
F-106	6.1	6.4
F-120	7.1	7.5
F-121	7.1	7.5
F-140	6.6	7.0
F-140	3	3
F-147	3	3
FDS-75	6.1	6.4
FDS-78	6.1	6.4
FDS-85	6.1	6.4
FDS-90	6.1	6.4
FDS-93	6.1	6.4
FDS-750	6.5	6.8
FDS-1600	9.9	10.4
FDS-1800	13.2	14.0
FDS-1805	13.2	14.0
FDS-1807	13.2	14.0
FDS-1808	13.2	14.0
FDS-2100	13.2	14.0
FDS-2101	13.2	14.0
FDS-2102	20.3	21.4
FDS-2107, FDS-2110, FDS-2111	3	3
FDS-2117	3	3
G-161	9.9	10.4
H-100	9.4	9.9
H-140	9.9	10.4
H-150	5.2	5.5
H-162	9.4	9.9
H-170	12.7	13.4
H-171	3	3
H-172	12.7	13.4
H-173	3	3
H-175	3	3
H-176	3	3
L-100	10.8	11.4
L-140	11.3	12.0
L-155	11.3	12.0
L-155C	11.3	12.0
L-172	12.7	13.4
L-172C	12.7	13.4
M-172	12.7	13.4
Q-100	14.6	15.4
Q-145	11.3	12.0
QT-140	11.3	12.0
R-100	14.2	15.0
R-140	13.2	14.0
R-155	13.2	14.0
R-160	18.9	20.0
R-163	16.0	17.0
R-170	20.3	21.4
R-173	3	3
R-255	3	3
R-270	26	27.4
R-355	3	3
RL-170	22.7	24
RS-13-120	8.7	9.2
RS-15-120	8.7	9.2
RS-15-210	6.7	7.0
RS-17-140	14.6	15.4
RS-17-145	15.9	16.8
RS-17-220	14.5	15.3
RS-19-145	15.7	16.6
RS-19-220	14.6	15.4
RS-21-145	15.3	16.1
RS-21-160	18.7	19.7
RS-21-230	18.4	19.4
RS-23-160	18.7	19.7
RS-23-161	17.6	18.6
RS-23-180	22.3	23.5
RS-23-240	18.0	19.0
RS-23-380	30.1	31.8
RS-26-160	22.4	23.6
RS-26-180	22.0	23.2
RS-26-380	27.5	29.0
RS-30-180	22.0	23.2
RS-30-380	22.0	23.2
RS-38-380	27.5	29.0
S-170	20.3	21.4
U-140	11.3	11.9
U-170	20.3	21.4
U-240	3	3
U-270	26	27.4
U-340	3	3
U-2400B	3	3
W-170	20.3	21.4
W-270	26.0	27.4

MEDIUM & HEAVY TRUCKS

DIFFERENTIALS CONTINUED

CAPACITIES ¹	Liters	Qt
59722	14.3	15.1
59723	14.3	15.1
59732	14.3	15.1
59733	14.3	15.1
59843	14.3	15.1
61142	19.8	20.9
61143	19.4	20.5
TANDEM AXLES		
DPRP-650	3	3
PBDD	3	3
RH-171	3	3
RN-4671	3	3
RT-34-135	14.1	14.9
RT-34-140	12.3	13
Rear Only	16.5	17.4
RT-34-145	14.0	14.8
Rear Only	12.0	12.7
RT-34-145P	12.1	12.8
Rear Only	11.0	11.6
RT-40-140	14.3	15.1
Rear Only	10.7	11.3
RT-40-145	14.3	15.1
Rear Only	12.0	12.7
RT-40-145P	14.4	15.2
Rear Only	12.2	12.9
RT-44-145	13.8	14.6
Rear Only	11.8	12.4
RT-44-145P	13.8	14.6
Rear Only	11.8	12.4
RT-46-160	18.5	19.5
Rear Only	16.2	17.1
RT-46-160P ⁴	18.5	19.5
Rear Only	16.2	17.1
RT-48-180 ⁹	28.9	30.5
Rear Only	18.3	19.3
RT-48-380 ⁹	28.9	30.5
Rear Only	18.3	19.3
RT-52-160	20.9	22.0
Rear Only	19.5	20.6
RT-52-160P	20.9	22.0
Rear Only	19.5	20.6
RT-52-180 ⁹	26.5	28.0
Rear Only	19.5	20.6
RT-52-380 ⁹	26.5	28.0
Rear Only	27.5	29.0
RT-58-180 ⁹	26.5	28.0
Rear Only	17.0	18.0
RT-58-380 ⁹	26.5	28.0
Rear Only	27.5	29.0
RT-70-380 ⁹	25.7	27.1
Rear Only	25.1	26.5
RT-145	12.3	13.0
RT-160	17.5	18.5
SDHD	7.5	8.0
SFDD	13.2	13.9
SLHD	15.3	16.1
Rear Only	15.1	16
SLHR	3	3
SL-100	18.7	19.7
Rear Only	17.8	18.8
SL-100P	NA	NA
Rear Only	NA	NA
SPRRC-1735	14.2	15
SPRC-1927	22.0	23.4
SQHD	16.0	16.9
Rear Only	14.6	15.4
SQHP	18.9	20.0
Rear Only	15.1	16
SQ-100	18.7	19.7
Rear Only	17.8	18.8
SQ-100A	19.0	20.0
Rear Only	17.5	18.5
SQ-100P	19.8	20.9
Rear Only	17.5	18.5
SQ-101	3	3
Rear Only	3	3
SQR-100	17.0	18.0
Rear Only	15.6	16.5
SQR-100P	18.0	19.0
Rear Only	15.6	16.5
SRHD	18.4	19.4
Rear Only	17.0	18.0
SRD	10.4	11.0
SRDD ⁸	10.4	11.0
SRMD	17.0	18.0
SR-170	26.0	27.4
Rear Only	20.3	21.4
SSH	16.0	16.9
Rear Only	13.2	14
SSRD	3	3
Rear Only	3	3
STDD	3	3
Rear Only	3	3
STHD	16.0	16.9
Rear Only	13.2	14.0
ST-170	26.0	27.4
Rear Only	20.3	21.4
SUDD	21.7	22.9
SUHD	16.0	16.9
Rear Only	13.2	14
SU-170	26.0	27.4
Rear Only	20.3	21.4

CAPACITIES	Liters	Qt
SW-170	26	27.4
Rear Only	20.3	21.4
SPICER		
Differential (Linehaul 500,000 Mile Extended Drain Interval)		
All Temperatures, SAE 75W-90		
Differential (Vocational 180,000 Mile Drain Interval Lubricant)		
All Temperatures, SAE 75W-90, 80W-140		
Differential		
All Temperatures, SAE 75W, 75W-90, 80W-90, 85W-140		
CAPACITIES	Liters	Qt
D1H	3.0	3.7
D2H	2.7	2.8
D3H	2.7	2.8
D4H	6.5	6.8
D8H	6.5	6.8
D033H	3.1	3.2
D035H	3.9	4.1
D040H	4.5	4.7
D050H	6.5	6.8
D40-170/DP/P	12	12
D46-170/DH/DP/P/H/HP	12	12
D46-190HP	13	13
D46-590DHP	13	13
D50-170	12	12
D52-190/DP/P	13	13
D52-590P	13	13
D60-590DP	13	13
D60-190/DP/P	13	13
D70-190P	13	13
DA344	14	14
D404, DA454	14	14
DC/DD/DP/DS601-P	19.8	20.9
DD404, DD405, DD454	14	14
DD/DS461-P	20.3	21.4
DD/DS462-P	18.9	19.9
DD/DP/DS/DT463-P	18.9	19.9
DC/DP/DS/DS521-P	19.8	20.9
DD/DP/DS581-P	19.8	20.9
DC/DD/DP/DS601-P	19.8	20.9
DDH40, DDH44	14	14
DP/DT461-P	21.7	22.9
DP463-P	18.9	19.9
DP521-P	19.8	20.9
DP581-P	19.8	20.9
DP601-P	19.8	20.9
DP651-P	19.4	20.5
DP652-P	19.4	20.5
DS340, DS341	4	4
DS344	14	14
DS381 (P)	4	4
DS400 (P), DS401 (P), DS402 (P), DS403 (P)	4	4
DS404, DS405	14	14
DS451 (P)	4	4
DS454	14	14
DS2380 (P)	4	4
DSH40, DSH44	14	14
DSP40	14	14
DST40	14	14
DST41	14	14
G175-S, T/M190-S/T, M210-T, M220-S/T & M230-T	3	3
J175-S, J190-S, J210-S, J220-S & W230-S	3	3
J340-S, J380-S, J400-S:		
Front	14.2	15.0
Rear	11.8	12.4
N340-S & N400i	3	3
P20060, P22060	3	3
RA344	14	14
RA404, RS405	14	14
RA454 (P)	14	14
RC/RD/RP/RS/RT521	18.4	19.4
RC/RP/RT461	18.4	19.4
RD404, RS404, RS405, RS454	14	14
RD/RS461	18.9	19.9
RD/R462	17.5	18.5
RD/RP/RS/463	17.5	18.5
RDH40	14	14
RP601	18.4	19.4
RP651	17.5	18.5
RP652	17.5	18.5
RS344	14	14
RSH40, RSH44	14	14
RSP40, RSP41 RST40	14	14
S135-S	11.6	12.5
S150-S	11.6	12.5
S400	26.0	27.4
W440-S, W460-S:		
Front	14.2	15.0
Rear	11.8	12.4
15040	9.9	10.4
19050	11.8	12.4
19055	16.0	16.9
19060	13.2	13.9

CAPACITIES	Liters	Qt
21060	13.2	13.9
21065	16.0	16.9
21080	18.9	20.0
22060	13.2	13.9
22065	16.0	16.9
23070	18.9	20.0
23080	18.9	20.0
23085	18.9	20.0
23105C	25.5	27.0
23105S/D/A	26.5	28.0
26105C	25.5	27.0
26105S/D/A	26.5	28.0
30105C	24.6	26.0

VOLVO

CAPACITIES	Liters	Qt
EV45	9.0	9.5
EV76	8.5	9.0
EV80	7	7
EV85	12.7	13.4
EV87	10	10
EV90	9.4	9.9

DIFFERENTIAL NOTES

- With PTO, add 0.9 liters (0.9 qts).
- Refer to nameplate on transmission housing for model identification.
- Fill to bottom of filler plug.
- Forward axle 18.4 liters (19.4 qts). Rear axle 17.0 liters (17.9 qts).
- With axle angle at 0°, 22.7 liters (24 qts); 3°, 44 pts.; 5°, 19.8 liters (21 qts).
- Front 14.6 liters (15.4 qts); Rear 13.2 liters (13.9 qts).
- Axles less hub reduction, 9 liters (9.5 qts). Front axle w/hub reduction, 28.8 liters (30.4 qts); rear axle w/hub reduction, 27 liters (28.5 qts).
- Add 0.9 liters (2 pts) of lubricant to inter-axle differential housing when new or reconditioned drive unit is installed in addition to specified amount of lubricant in housing.
- Forward carrier w/oil pump system.
- Front axle, 19.8 liters (21 qts); rear axle, 9 liters (9.5 qts).
- Planetary wheel hubs, 3 pts; Non-driven wheel hubs, 3.8 pts.
- Forward axle, axle installation angle 0°, 21.3 liters (22.5 qts); 2°, 20.3 liters (21.4 qts); 4°, 20.3 liters (21.4 qts); 6°, 18.4 liters (19.4 qts). Rear axle, axle installation angle 0°, 17 liters.; 2°, 16.5 liters (17.4 qts); 4°, 15.8 liters (16.7 qts); 6°, 15.1 liters (15.9 qts); 8°, 14.6 liters (15.4 qts); 10°, 14.2 liters (15.0 qts); 12°, 13.7 liters (14.4 qts).
- Forward axle, axle installation angle 0°, 23.6 liters (24.9 qts); 2°, 22.2 liters (23.4 qts); 4°, 21.0 liters (22.1 qts); 6°, 20.1 liters (21.2 qts). Rear axle, axle installation angle 0°, 17 liters.; 2°, 16.5 liters (17.4 qts); 4°, 15.8 liters (16.7 qts); 6°, 15.1 liters (15.9 qts); 8°, 14.6 liters (15.4 qts); 10°, 14.2 liters (15.0 qts); 12°, 13.7 liters (14.4 qts).
- Forward axle, axle installation angle 0°, 14.6 liters (15.4 qts); 2°, 13.7 liters (14.4 qts); 4°, 12.7 liter (13.4 qts); 6°, 11.6 liters (12.2 qts). Rear axle, axle installation angle 0°, 13.2 liters (13.9 qts); 2°, 12.3 liters (12.9 qts); 4°, 11.8 liter (12.4 qts); 6°, 11.8 liters (12.4 qts); 8°, 10.6 liters (11.2 qts); 10°, 9.9 liters (10.4 qts); 12°, 8.9 liters (9.4 qts).
- Fill to bottom of filler plug opening.

FARM TRACTORS

Note: Refill capacities shown include filter(s). Engine oil API classifications shown reflect the minimum requirements for each application. When CC, CD, CC/SE, CD/SF or CE/SG oils are listed, superior oils such as CF-4/SH, CG-4/SH or CH-4/SJ may be used, provided they meet the specified viscosity.

	Lubricant	Liters	Qt
AGCO			
DT205b, DT225b, DT250b, DT275b, DT290b			
CRANKCASE, including filter	CH-4	21.0	22.2
Above 14°F (Above -10°C), 15W-40 -22° to 68°F (-30° to 20°C), 10W-30 Below 68°F (Below 20°C), 5W-30			
TRANSMISSION, Rear Axle	.HTF	85.0	89.8
AUXILIARY HYDRAULIC SYSTEM	.HTF	110.0	116.0
FIXED FRONT AXLE (Model 770/504)			
Housing	.85W-90 GL-5	15.0	15.9
Final Drive (each)	.85W-90 GL-5	7.0	7.4
SUSPENDED FRONT AXLE (Model 770/612)			
Housing	.85W-90 GL-5	14.5	15.3
Final Drive (each)	.85W-90 GL-5	7.0	7.4
CLUTCH	.Pentosin CHF 11S	0.6	0.63
REAR FINAL DRIVE (each)			
DT205b - DT225b	.85W-90 GL-5	14.0	14.8
DT250b - DT275b - DT290b	.85W-140 GL-5	14.0	14.8
LT85A, L95A			
CRANKCASE, including filter	CH-4	13.5	14.3
Above 14°F (Above -10°C), 15W-40 -22° to 68°F (-30° to 20°C), 10W-30 Below 68°F (Below 20°C), 5W-30			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	.HTF	70.0	74.0
Front Axle Housing	.GL-5	6.8	7.2
Front Axle Final Drive	.GL-5	1.1	1.1
RT140A, RT155A with 4 Speed Powershift			
CRANKCASE, including filter	CH-4	20.0	21.1
Above 14°F (Above -10°C), 15W-40 -22° to 68°F (-30° to 20°C), 10W-30 Below 68°F (Below 20°C), 5W-30			
TRANSMISSION, Rear Axle	.HTF	71.0	75.0
FIXED FRONT AXLE			
Housing	.80W-90 GL-5	6.5	6.9
Final Drive (each)	.80W-90 GL-5	1.5	1.58
SUSPENDED FRONT AXLE (Model 770/612)			
Housing	.85W-140 GL-5	8.5	15.3
FINAL DRIVE (each)			
RT140A	.85W-140 GL-5	1.3	1.37
RT155A	.85W-140 GL-5	1.6	1.69
ST25, ST30, ST30X, ST35, ST40, ST45			
ENGINE			
ST25	.CF, CG-4, CH-4	2.7	2.9
ST30	.CF, CG-4, CH-4	4.1	4.2
ST30X	.CF, CG-4, CH-4	3.6	3.8
ST35, ST40	.CF, CG-4, CH-4	4.7	5.0
ST45	.CF, CG-4, CH-4	8.0	8.5
Above 78°F (25°C), 30 Above 14°F (-10°C), 15W-40 32 to 78°F (0° to 25°C), 20 Below 32°F (0°C), 10 All temperatures, 10W-30 Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
ST25, ST30X	.HTF	14.0	14.8
ST30: Front Housing	.HTF	1.0	1.1
Rear	.HTF	12.1	12.7
ST35, ST40:			
Manual Shuttle	.80 GL-4 or HTF	25.0	26.4
Power Shuttle	.HTF	25.0	26.4
Hydrostatic	.HTF	31.0	32.8
ST45: Manual Shuttle	.80 GL-4 or HTF	33.0	34.9
Others	.80 GL-4 or HTF	34.8	36.8
FRONT DIFFERENTIAL & HUBS			
ST25	.80 GL-4 or HTF	2.7	2.9
ST30, ST30X	.80 GL-4 or HTF	4.5	4.7
ST35, ST40	.80 GL-4 or HTF	4.0	4.2
ST45	.80 GL-4 or HTF	6.5	6.9
POWER STEERING			
ST30 (as equipped)	.HTF	1.1	1.2
ST35, ST40	.HTF	1.1	1.2
GREASE FITTINGS	.LM EP	—	—
AGCO-ALLIS			
4650, 4660, 5650, 5660, 5670, 5680, 6670, 6680, 6690			
ENGINE			
4650	.CF	7.5	7.9
4660	.CF	9.5	10.0
5650, 5660	.CF-4	7.8	8.2
5670, 5680, 6670, 6680, 6690	.CF	9.2	9.7
5650, 5600: Above 10°F (-12°C), 15W-40 -22 to 68°F (-30° to 20°C), 10W-30 Below 68°F (20°C), 5W-30 Others: Above 77°F (25°C), 40W 50° to 90°F (10° to 35°C), 30W 23° to 59°F (-5° to 15°C), 20W-20 All temperatures, 15W-40			

	Lubricant	Liters	Qt
AGCO-ALLIS (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
4650, 4660	.HTF	39.2	41.4
5650, 5660	.HTF	41.0	43.2
5670, 5680, 6670, 6680, 6690	.HTF	57.7	61.0
FRONT DIFFERENTIAL			
4650, 4660, 6670, 6680, 6690	.HTF	5.4	5.7
5650, 5660	.HTF	6.1	6.5
5670, 5680	.HTF	6.0	6.3
FRONT HUBS (each)	.HTF	1.5	1.6
BRAKE/CLUTCH RESERVOIR	.AF3	—	—
WHEEL BEARINGS (2WD) & GREASE FITTINGS	.LM EP	—	—
7600, 7630, 7650, 8610, 8630			
ENGINE			
7600	.CF	13.5	14.2
7630, 7650	.CF	16.2	17.0
8610, 8630	.CF	15.5	15.9
Above 77°F (25°C), 40 50° to 90°F (10° to 35°C), 30 23° to 59°F (-5° to 15°C), 20W-20 All temperatures, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
7600	.HTF	87.6	92.4
7630, 7650, 8610, 8630	.HTF	97.4	102.8
FRONT DIFFERENTIAL	.HTF	13.0	13.7
FRONT HUBS (each)	.HTF	2.5	2.6
POWER STEERING	.AF3	2.0	2.1
BRAKE/CLUTCH RESERVOIR	.AF3	—	—
WHEEL BEARINGS (2WD) & GREASE FITTINGS	.LM EP	—	—
8745, 8765			
ENGINE			
Above 10°F (-12°C), 15W-40 preferred -18° to 64°F (-28° to 18°C), 10W-30 Below 64°F (18°C), 5W-30 preferred Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
REAR PLANETARY HUBS (each):	.HTF	50.0	52.8
8765 only	.HTF	2.9	3.0
DIFFERENTIAL			
8745	.80W-90 GL-5	5.6	5.9
8765	.80W-90 GL-5	7.6	8.0
FRONT HUBS (each):			
8745	.80W-90 GL-5	1.0	1.1
8765	.80W-90 GL-5	1.2	1.3
WHEEL BEARINGS	.SL048	—	—
WHEEL BEARING & GREASE FITTING	.LM EP	—	—
8775, 8785, 9735, 9745, 9755, 9765, 9775, 9785			
ENGINE			
8775	.CG-4	17.0	18.0
8785	.CG-4	14.8	15.6
9735, 9745	.CG-4	21.0	22.2
9755, 9765, 9775, 9785	.CG-4	24.6	26.0
8775, 8785 models: Above 68°F (20°C), 40 45° to 90°F (7° to 32°C), 30 21° to 57°F (-6° to 14°C), 20W-20 All temperatures, 15W-40 Others: Above 12°F (-11°C), 15W-40 preferred -24° to 68°F (-31° to 20°C), 5W-30 Below 68°F (20°C), 5W-30 Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
8775	.HTF	68.5	72.0
8785	.HTF	70.0	74.0
Others: 4-speed	.HTF	135.0	140.0
18-speed	.HTF	150.0	158.6
FINAL DRIVES (each):			
9735, 9745	.85W-140 GL-5	3.6	3.8
9755	.85W-140 GL-5	4.5	4.8
FRONT DIFFERENTIAL			
8775, 8785	.80W-90 GL-5	6.5	6.9
9775, 9785	.80W-90 GL-5	10.0	10.6
Others	.80W-90 GL-5	11.7	12.4
FRONT HUBS (each):			
8775, 8785	.80W-90 GL-5	1.5	1.6
9755, 9785	.80W-90 GL-5	1.9	2.0
9775, 9785	.80W-90 GL-5	4.0	4.2
Others	.80W-90 GL-5	4.5	4.8
GREASE FITTINGS	.LM EP	—	—
9435, 9455			
ENGINE			
Above 72°F (22°C), 40 19° to 57°F (-7° to 14°C), 20W-20 45° to 90°F (7° to 32°C), 30 Below 100°F (38°C), 15W-40 preferred			

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt		
AGCO-ALLIS (continued)				AGCO CHALLENGER (continued)					
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF				76.8	81.2	AGCO CHALLENGER MT500D AUTOPOWER IV and VI Series -			
FINAL DRIVES (each) 9435 .....85W-150 GL-5				3.4	3.6	MT515D, MT525D, MT535D, MT545D			
9455 .....85W-140 GL-5				12.5	13.2	CRANKCASE, including filter .....CJ-4			
FRONT DIFFERENTIAL .....80W-90 GL-5				10.0	10.6	Above 14°F (Above -10°C), 15W-40			
FRONT HUBS (each) .....80W-90 GL-5				1.7	1.8	-22 to 68°F (-30 to 20°C), 10W-40			
WHEEL BEARINGS (2WD) & GREASE FITTINGS .....LM EP				—	—	Below 68°F (Below 0°C), 5W-40			
9630, 9635, 9650, 9655, 9670, 9675, 9690, 9695, 9815				AUTOPOWER IV REAR AXLE/TRANSMISSION					
ENGINE				Minimum .....HTF					
9630, 9650 Deutz BF6L913C .....CE, CF-4				18.4	19.5	Maximum .....HTF			
9670, 9690 Deutz BF6L513R .....CE, CF-4				23.2	24.5	AUTOPOWER VI REAR AXLE/TRANSMISSION			
9635, 9655, 9675, 9695, 9815				Minimum .....HTF					
Detroit Series 40 .....CF-4				24.6	26.0	Maximum .....HTF			
Detroit Diesel Series 40:				FRONT DRIVE AXLE .....GL-5 80W-90					
Above 72°F (22°C), 40				9.0				9.5	
45° to 90°F (7° to 32°C), 30				FRONT FINAL DRIVES					
19° to 57°F (-7° to 14°C), 20W-20				FIXED					
Below 100°F (38°C), 15W-40 preferred				735/530- Per Hub .....GL-5 80W-90					
Other engines:				740/553- Per Hub .....GL-5 80W-90					
Above 77°F (25°C), 40				0.8				0.85	
Above 14°F (-10°C), 15W-40 preferred				740/614- Per Hub .....GL-5 80W-90					
41° to 86°F (5° to 30°C), 30				0.2				0.21	
14° to 77°F (-10° to 25°C), 15W-30				SUSPENDED					
14° to 50°F (-10° to 10°C), 20W-20				735/613- Per Hub .....GL-5 80W-90					
-4° to 68°F (-20° to 20°C), 10W-30				740/614- Per Hub .....GL-5 80W-90					
-4° to 86°F (-20° to 30°C), 10W-40				0.8				0.85	
Below 77°F (25°C), 5W-30 Synthetic				0.2				0.21	
Below 23°F (-5°C), 10				FRONT PTO .....AUTRAN DX III/FLUID 9					
TRANSMISSION .....HTF				41.6	44.0	3.5			
DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF				83.3	88.0	3.7			
FRONT HUBS (each)				DEF TANK .....DEF					
9630, 9635, 9650, 9655, 9670, 9675, 9690, 9695, 9815 .....80W-90 GL-5				4.0	4.2	30.0			
WHEEL BEARINGS (2WD) & GREASE FITTINGS .....LM EP				—	—	7.9			
AGCO CHALLENGER				AGCO CHALLENGER MT500D Techstar CVT Series - MT525D,					
MT265B, MT275B, MT285B, MT295B				MT535D, MT545D					
CRANKCASE, including filter				CRANKCASE, including filter .....CJ-4					
MT265B .....CC				4.7	5.0	23.0			
MT275B .....CD				4.7	5.0	24.3			
MT285B, MT295B .....CD				8.0	8.5	Above 14°F (Above -10°C), 15W-40			
Above 14°F (Above -10°C), AGCO Power Fluid 15W-40				-22 to 68°F (-30 to 20°C), 10W-40					
Above 78°F (Above 25°C), 30W, 10W-30				Below 68°F (Below 0°C), 5W-40					
32° to 78°F (0° to 25°C), 20W, 10W-30				AUXILIARY HYDRAULICS .....HTF					
Below 32°F (Below 0°C), 10W, 10W-30				100.0					
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM				105.7					
MT265B, MT275B .....HTF				31.0	32.8	Note only products complying with MF specification CMS M1145 such as AGCO Permatran			
MT285B, MT295B .....HTF				38.0	40.2	821XL Plus 15W-40			
FRONT AXLE HOUSING				TECHSTAR CVT REAR AXLE/TRANSMISSION .....HTF					
MT265B, MT275B .....HTF				7.5	7.9	48.0			
MT285B, MT295B .....HTF				8.5	9.0	50.7			
MT297B				TECHSTAR CVT REAR FINAL DRIVE (each) .....HTF					
CRANKCASE, including filter .....CC				8.0	8.5	10.0			
Above 14°F (Above -10°C), AGCO Power Fluid 15W-40				FRONT DRIVE AXLE .....GL-5 80W-90					
Above 78°F (Above 25°C), 30W, 10W-30				-					
32° to 78°F (0° to 25°C), 20W, 10W-30				Capacity not listed in OEM info					
Below 32°F (Below 0°C), 10W, 10W-30				FRONT FINAL DRIVES					
TRANSMISSION, Rear Axle & Hydraulic System .....HTF				43.0	45.4	FIXED			
FRONT AXLE HOUSING .....HTF				8.5	9.0	735/529- Per Hub .....GL-5 80W-90			
MT315B, MT325B, MT335B, MT345B				740/554- Per Hub .....GL-5 80W-90					
CRANKCASE, including filter .....CH-4				10.5	11.1	0.8			
Above -4°F (Above -20°C), 15W-40				0.2					
-13° to 86°F (-25° to 30°C), 10W-30				SUSPENDED					
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM				735/529- Per Hub .....GL-5 80W-90					
2WD 12+12 .....HTF				37.0	39.1	740/554- Per Hub .....GL-5 80W-90			
4WD 12+12 .....HTF				39.0	41.2	0.8			
2WD 12+12 Power Shuttle .....HTF				36.0	38.0	0.85			
4WD 12+12 Power Shuttle .....HTF				38.0	40.2	0.2			
FRONT AXLE HOUSING .....HTF				5.5	5.8	0.2			
FINAL DRIVES .....HTF				0.6	0.63	0.21			
AGCO CHALLENGER MT425B, MT445B, MT455B, MT465B				FRONT PTO .....AUTRAN DX III/FLUID 9					
CRANKCASE, including filter .....CH 4				7.5	7.9	3.5			
Above 14°F (Above -10°C), 15W-40				DEF TANK .....DEF					
-22 to 68°F (-30 to 20°C), 10W-30				30.0					
Below 68°F (Below 0°C), 5W-30				7.9					
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM .....HTF				70.0	74.0	Challenger MT755E, MT765E, MT775E			
FRONT DRIVE AXLE .....GL-5 80W-90				CRANKCASE, including Filter					
MT425B, MT445B, MT455B .....5.5				All .....CJ-4, E9					
MT465B .....6.8				-31° TO 86° F (-35° TO 30° C), 5W-30					
FRONT FINAL DRIVES .....GL-5 80W-90				-31° TO 104° F (-35° TO 40° C), 5W-40					
MT425B, MT445B, MT455B - Per Hub .....0.9				-13° TO 86° F (-25° TO 30° C), 10W-30					
MT465B - Per Hub .....1.1				-13° TO 104° F (-25° TO 40° C), 10W-40					
				-4° TO 104° F (-20° TO 40° C), 15W-40					
				5° TO 59° F (-15° TO 15° C), 20W-20					
				5° TO 104° F (-15° TO 40° C), 20W-40					
				32° TO 86° F (0° TO 30° C), 30					
				HYDRAULIC SYSTEM .....HTF					
				Standard Gauge .....227.0					
				Wide Gauge .....235.0					
				Ultra Wide Gauge .....265.0					
				HUBS .....TO-4					
				Front Idler Hub .....0.5					
				Midwheel Hub .....0.15					
				Drive Wheel Hub .....1.4					
				DIESEL EXHAUST FLUID					
				All .....DEF					
				86.5					
				22.9					
				MT835C, MT845C, MT855C, MT865C					
				CRANKCASE, including filter					
				MT835C, MT845C .....CH-4, CI-4					
				30.0					
				31.7					
				MT855C, MT865C, M18/5C .....CH-4, CI-4					
				34.0					
				35.9					
				-40° to 50°F (-40° to 10°C), 0W-20					
				-40° to 86°F (-40° to 30°C), 0W-30					
				-22° to 86°F (-30° to 30°C), 5W-30					
				-22° to 104°F (-30° to 40°C), 5W-40					
				-4° to 104°F (-20° to 40°C), 10W-30					
				5° to 122°F (-15° to 50°C), 15W-40					
				HYDRAULIC SYSTEM .....HTF					
				246.0					
				260.0					
				WIDE DRIVE WHEEL HUB .....TO-4					
				1.6					
				1.7					
				FRONT IDLER HUB .....TO-4					
				0.5					
				0.53					
				MIDWHEEL HUB .....TO-4					
				0.25					
				0.26					
				MT945B, MT955B, MT965B, MT975B					
				CRANKCASE, including filter					
				MT945B, MT955B .....CG-4, CH-4, CI-4					
				30.0					
				31.7					
				MT965B, MT975B .....CG-4, CH-4, CI-4					
				34.0					
				35.9					
				-40° to 50°F (-40° to 10°C), 0W-20					
				-40° to 86°F (-40° to 30°C), 0W-30					
				-22° to 86°F (-30° to 30°C), 5W-30					
				-22° to 104°F (-30° to 40°C), 5W-40					
				-4° to 104°F (-20° to 40°C), 10W-30					
				5° to 122°F (-15° to 50°C), 15W-40					

FARM TRACTORS

	Lubricant	Liters	Qt
AGCO CHALLENGER (continued)			
IMPLEMENT HYDRAULIC SYSTEM	HTF	150.0	158.5
TRANSMISSION AND AXLES	HTF	159.0	168.0
MT945C, MT955C, MT965C, MT975C			
CRANKCASE, including filter			
MT945C, MT955C	CG-4, CH-4, CI-4	30.0	31.7
MT965C, MT975C	CG-4, CH-4, CI-4	34.0	35.9
-40° to 50°F (-40° to 10°C), 0W-20			
-40° to 86°F (-40° to 30°C), 0W-30			
-22° to 86°F (-30° to 30°C), 5W-30			
-22° to 104°F (-30° to 40°C), 5W-40			
-4° to 104°F (-20° to 40°C), 10W-30			
5° to 122°F (-15° to 50°C), 15W-40			
IMPLEMENT HYDRAULIC SYSTEM	HTF	145.0	153.2
TRANSMISSION AND AXLES	HTF	185.0	195.5

	Lubricant	Liters	Qt
AGCOSTAR			
8360, 8425			
ENGINE			
Detroit Diesel 60 Series	15W-40 CH-4	42.0	45.0
Cummins N14	CG-4, CH-4	38.0	40.0
Above 12°F (-11°C), 15W-40 preferred			
-10° to 68°F (-23° to 20°C), 10W-30 ¹			
Below 68°F (20°C), 5W-30 ¹			
TRANSMISSION	.90 GL-1	13.6	14.0
TRANSFER CASE	.90 GL-1	4.4	5.0
DIFFERENTIALS (each)	.80W-90 GL-5	16.1	17.0
PLANETARY HUBS (each)	.80W-90 GL-5	7.1	7.5
HYDRAULIC & STEERING SYSTEM	HTF	106.0	112.0
GREASE FITTINGS	LM EP	-	-

	Lubricant	Liters	Qt
ALLIS-CHALMERS			
7010, 7020, 7030, 7040, 7045, 7050, 7060, 7080			
ENGINE CRANKCASE, including filter			
7010, 7020	.CF	15.1	16.0
w/by-pass filter, add	.CF	3.8	4.0
All other models	.CF	18.0	19.0
w/by-pass filter, add	.CF	5.7	6.0
7010			
Above 32°F (0°C), 30			
Above 0°F (-18°C), 15W-40			
0° to 32°F (-18° to 0°C), 20W-20			
Below 0°F (-18°C), 10			
7020, 7045, 7080			
Above 32°F (0°C), 30			
0° to 32°F (-18° to 0°C), 20W-20			
Below 0°F (-18°C), 10			
7030, 7040, 7050, 7060			
Above 90°F (32°C), 40			
Above 40°F (4°C), 30			
Above 20°F (-7°C), 20W-20			
Below 20°F (-7°C), 10			
TRANSMISSION:			
Power Director	HTF	28.0	29.6
Power Shift	HTF	26.4	28.0
DIFFERENTIAL & HYDRAULIC SYSTEM:			
7080	HTF	64.7	68.4
All other models	HTF	63.2	66.8
7580, 8550			
CRANKCASE, including filter			
7580	.CF	18.0	19.0
w/by-pass filter, add	.CF	23.7	25.0
8550	.CF	43.5	46.0
w/by-pass filter, add	.CF	56.8	60.0
All			
Above 32°F (0°C), 30			
0° to 32°F (-18° to 0°C), 20W-20			
Below 0°F (-18°C), 10			
TRANSMISSION:			
Front	HTF	37.9	40.0
DIFFERENTIALS & HYDRAULIC SYSTEM:			
Front	HTF	56.8	60.0
Rear	HTF	63.2	66.8

	Lubricant	Liters	Qt
DEUTZ FAHR			
DEUTZ FAHR AGROFARM 85, 100			
CRANKCASE, including filter	15W-40 CF	9.0	9.5
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	52.0	54.9
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT WHEEL HUBS	HTF	1.5	1.6
FRONT POWER TAKE OFF	HTF	2.5	2.6
DEUTZ FAHR AGROKID F60, 70F3, 70F4, F80			
CRANKCASE, including filter	15W-40 CF	8.2	8.7
GEARBOX & REAR AXLE	HTF	41.0	43.3
CENTRAL AXLE	HTF	6.0	6.3
SIDE REDUCTIONS (Each)	HTF	1.5	1.6
FRONT PTO	HTF	2.5	2.6
DEUTZ FAHR AGROKID F70, F75, F90, F100			
CRANKCASE, including filter			
F70	15W-40 CF	7.7	8.1
F75, F90, F100	15W-40 CF	12.0	12.7
GEARBOX & REAR AXLE	HTF	41.0	43.3

	Lubricant	Liters	Qt
DEUTZ FAHR (continued)			
CENTRAL AXLE	HTF ¹	6.0	6.3
SIDE REDUCTIONS (Each)	HTF ¹	1.5	1.6
FRONT PTO	HTF ¹	2.5	2.6
GREASE FITTINGS, All	LM	-	-
1 HTF: Hydraulic Tractor Fluid, AKROS MULTI FTC.			
DEUTZ FAHR AGROKID 30, 40, 50			
CRANKCASE, including filter			
30	15W-40 CF	5.1	5.4
40, 50	15W-40 CF	7.1	7.5
TRANSMISSION, REAR AXLE, HYDRAULIC SYSTEM & STEERING			
FRONT DRIVE AXLE-INCLUDING HUBS	HTF	21.0	22.2
FRONT DRIVE AXLE-INCLUDING HUBS	HTF	4.8	5.0
DEUTZ FAHR AGROKID 35, 45, 55			
CRANKCASE, including filter	15W-40 CF	5.7	6.0
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	21.0	22.2
FRONT DRIVE AXLE	HTF	4.8	5.0
DEUTZ FAHR AGROKID 210, 220, 230			
CRANKCASE, including filter	15W-40 CF	5.7	6.0
TRANSMISSION, REAR AXLE, HYDRAULIC SYSTEM & STEERING	HTF	21.0	22.2
FRONT DRIVE AXLE, including hubs	HTF	4.8	5.0
DEUTZ FAHR AGROLUX 57, 67			
CRANKCASE, including filter	15W-40 CF	7.7	8.1
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	41.0	43.3
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT FINAL DRIVES (each)	HTF	1.5	1.6
DEUTZ FAHR AGROLUX 60, F60, 70, F70, F80			
CRANKCASE, including filter			
60, F60	15W-40 CF	11.0	11.6
70, F70, F80	15W-40 CF	12.5	13.2
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	41.0	43.3
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT DRIVE HUBS (each)	HTF	1.5	1.6
FRONT POWER TAKE OFF	HTF	Up to level on plug	
DEUTZ FAHR AGROLUX 80, 90			
CRANKCASE, including filter	15W-40 CF	12.5	13.2
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	52.0	54.9
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT DRIVE HUBS (each)	HTF	1.5	1.6
FRONT POWER TAKE OFF	HTF	Up to level on plug	
DEUTZ FAHR AGROPLUS 67, 77, 87			
CRANKCASE, including filter			
67	15W-40 CF	7.7	8.1
77, 87	15W-40 CF	12.0	12.7
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM	HTF	36.0	38.0
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT FINAL DRIVES (each)	HTF	1.5	1.6
DEUTZ FAHR AGROPLUS S70-S75-S90-S100			
CRANKCASE, including filter			
S70	15W-40 CF	7.7	8.1
S75, S90, S100	15W-40 CF	12.0	12.7
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
Without Hydraulic Power Shuttle	HTF	41.0	43.3
With Hydraulic Power Shuttle	HTF	32.0	33.8
FRONT DRIVE AXLE	HTF	6.0	6.3
FRONT FINAL DRIVES (each)	HTF	1.5	1.6
DEUTZ FAHR AGROTRON 120, 130, 150, 150.6, 165.7, 180.7			
CRANKCASE, including filter			
120, 130, 150	15W-40 CF	15.0	15.9
150.7, 165.7, 180.7	15W-40 CF	18.5	19.5
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
Without Suspended Front Axle	15W-30 TU	78.0	82.4
With Suspended Front Axle	15W-30 TU	80.0	84.5
FRONT DRIVE AXLE			
120	80W-90 GL-5*	5.0	5.3
130, 150, 150.7, 165.7	80W-90 GL-5*	5.7	6.0
180.7	80W-90 GL-5*	8.5	9.0
FRONT FINAL DRIVES (each)			
120, 130, 150, 150.7, 165.7	80W-90 GL-5*	0.8	0.85
180.7	80W-90 GL-5*	1.5	1.6
FRONT P.T.O.	80W-90 GL-5*	0.9	0.95
REAR FINAL DRIVES (each)			
120, 130, 150, 150.7	80W-90 GL-5*	9.0	9.5
165.7, 180.7	80W-90 GL-5*	10.0	10.6
FENDT VARIO			
FENDT VARIO 712, VARIO 714, VARIO 716, VARIO 718			
(from chassis number 724..0101, 725..0101, 726..0101, 727..0101)			
CRANKCASE, including filter	SH/CG-4	16.5	17.3
Below 86° F (Below 30° C), 10W-40			
All Temperatures, 0W-40			
-22° to 86° F (-30° to 30° C), 5W-30			
Above -22° F (Above -30° C), 5W-40			
-4° to 86° F (-20° to 30° C), 40			
Above -4° F (Above -20° C), 10W-30			
Above 5° F (Above -15° C), 15W-40			
Above 23° to 32° F (Above -5° C), 20W-50			

FARM TRACTORS

	Lubricant	Liters	Qt
FENDT VARIO (continued)			
TRANSMISSION/REAR AXLE			
Vario 712, Vario 714, Vario 716	.TU, HTF	45.0	47.5
Vario 718	.TU, HTF	50.0	52.8
HYDRAULIC SYSTEM			
	.HTF	50.0	52.8
BRAKE AND CLUTCH SYSTEM			
	PS006	1.0	1.1
FRONT AXLE			
	.85W-90, 80W-90, 90 GL-5*	8.3	8.8
FRONT WHEEL HUBS (each)			
	.85W-90, 80W-90, 90 GL-5*	2.1	2.2
FINAL DRIVES (each)			
Vario 712, Vario 714, Vario 716	.85W-140 GL-5	10.0	10.6
Vario 718	.85W-140 GL-5	13.0	13.7
FRONT PTO			
	.85W-90, 80W-90, 90 GL-5*	3.5	3.7
FENDT VARIO 918, VARIO 920, VARIO 924, VARIO 926, VARIO 930 VARIO TRACTORS (from chassis number 916.24.6001, 920.24.6001, 924.24.6001, 926.24.6001, 930.24.6001)			
CRANKCASE, including filter			
	.CH-4, E5	24.0	25.2
-4° to 95° F (-20° to 35° C), 10W-40			
-4° to 77° F (-20° to 25° C), 10W-30			
5° to 95° F (-15° to 35° C), 15W-40			
5° to 77° F (-15° to 25° C), 15W-30			
77° to 104° F (25° to 40° C), 40			
41° to 86° F (5° to 30° C), 30			
14° to 59° F (-10° to 15° C), 20W-20			
-13° to 32° F (-25° to 0° C), 10W			
TRANSMISSION/REAR AXLE			
	.TU, HTF	65.0	68.7
HYDRAULIC SYSTEM			
	.HTF	70.0	73.9
BRAKE AND CLUTCH SYSTEM			
	PS006	0.8	0.84
FRONT AXLE			
	.85W-90, 80W-90, 90 GL-5*	9.5	10.0
FRONT WHEEL HUBS			
	.85W-90, 80W-90, 90 GL-5*	2.7	2.85
FINAL DRIVES (each)			
	.85W-140 GL-5	13.0	13.7
FRONT PTO			
	.85W-90, 80W-90, 90 GL-5*	4.2	4.44
FENDT VARIO 815, VARIO 817, VARIO 818 (from chassis number 715..1186, 717..1180, 718..2766)			
CRANKCASE, including filter			
	.CH-4, E3	16.5	17.3
-4° to 95° F (-20° to 35° C), 10W-40			
-4° to 77° F (-20° to 25° C), 10W-30			
5° to 95° F (-15° to 35° C), 15W-40			
5° to 77° F (-15° to 25° C), 15W-30			
77° to 104° F (25° to 40° C), 40			
41° to 86° F (5° to 30° C), 30			
14° to 59° F (-10° to 15° C), 20W-20			
-13° to 32° F (-25° to 0° C), 10W			
TRANSMISSION/REAR AXLE			
	.TU, HTF	45.0	47.5
HYDRAULIC SYSTEM			
	.HTF	50.0	52.8
BRAKE AND CLUTCH SYSTEM			
	PS006	0.8	0.85
FRONT AXLE			
	.85W-90, 80W-90, 90 GL-5*	8.3	8.8
FRONT WHEEL HUBS (each)			
	.85W-90, 80W-90, 90 GL-5*	2.1	2.2
FINAL DRIVES (each)			
	.85W-140 GL-5	10.0	10.6
FRONT PTO			
	.85W-90, 80W-90, 90 GL-5*	3.5	3.7
FENDT VARIO 818, VARIO 820 (from chassis number 729..0101, 731..0101)			
CRANKCASE, including filter			
	.SH/CG-4	16.5	17.3
Below 86° F (Below 30° C), 10W-40			
All Temperatures, 0W-40			
-22° to 86° F (-30° to 30° C), 5W-30			
Above -22° F (Above -30° C), 5W-40			
-4° to 86° F (-20° to 30° C), 40			
Above -4° F (Above -20° C), 10W-30			
Above 5° F (Above -15° C), 15W-40			
Above 23° to 32° F (Above -5° C), 20W-50			
TRANSMISSION/REAR AXLE			
	.TU, HTF	50.0	52.8
HYDRAULIC SYSTEM			
	.HTF	50.0	52.8
BRAKE AND CLUTCH SYSTEM			
	PS006	1.0	1.1
FRONT AXLE			
	.85W-90, 80W-90, 90 GL-5*	8.3	8.8
FRONT WHEEL HUBS (each)			
	.85W-90, 80W-90, 90 GL-5*	2.1	2.2
FINAL DRIVES (each)			
	.85W-140 GL-5	13.0	13.7
FRONT PTO			
	.HTF	3.5	3.7
JOHN DEERE			
650, 750, 850, 950, 1050, 1250, 1450, 1650			
650	.CF	2.4	2.5
750	.CF	3.8	4.0
850	.CF	4.5	5.0
950, 1050	.CF	6.4	6.8
1250	.CF	10.5	11.0
1450, 1650	.CF	12.0	12.7
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
650	.HTF ¹	13.2	14.0
750	.HTF ¹	14.2	15.0
850, 950	.HTF ¹	18.0	19.0
w/4WD	.HTF ¹	26.0	27.5
1050	.HTF ¹	26.0	28.0
w/4WD	.HTF ¹	34.0	36.0
1250, 1450, 1650	.HTF ¹	31.5	33.0
FRONT DIFFERENTIAL			
650	.90 GL-5	3.0	3.2
750	.90 GL-5	6.5	6.9

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
850, 950, 1050	.GL-5 ²	8.5	9.0
1250, 1450, 1650	.90 GL-5	17.0	18.0
WHEEL BEARINGS & GREASE FITTINGS			
	.LM EP	—	—
655, 755, 855, 955			
ENGINE			
655	.CF	2.4	2.5
755	.CF	2.7	2.9
855	.CF	3.9	4.1
955	.CF	4.2	4.4
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
Note: Use only low-temperature HTF formulation.			
655, 755	.HTF	14.0	14.8
855, 955	.HTF	17.0	18.0
FRONT DIFFERENTIAL			
655, 755, 855	.GL-5 ²	2.1	2.2
955	.GL-5 ²	3.3	3.5
WHEEL BEARINGS & GREASE FITTINGS			
	.LM EP	—	—
670, 770, 790, 870, 970, 1070			
ENGINE			
670	.CF	2.6	2.7
770, 790	.CF	4.0	4.2
870	.CF	4.8	5.1
970, 1070	.CF	5.3	5.6
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
670, 770, 790	.HTF ¹	15.1	16.0
870, 970, 1070	.HTF ¹	21.0	22.0
FRONT AXLE			
	.GL-5 ²	2.1	2.3
WHEEL BEARINGS & GREASE FITTINGS			
	.LM EP	—	—
2025R AND 2032R (010001-)			
CRANKCASE including filter:			
2025R	.CH	3.2	3.4
2032R		3.4	3.6
John Deere PLUS-50 II oil is preferred or oil meeting API CH or higher.			
5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-22 to 104° F (-30 to 40° C), 5W-30			
TRANSMISSION and HYDRAULIC SYSTEM			
2025R	.HTF	13.1	13.8
2032R		17.5	18.5
FRONT AXLE:			
	.80W-90 GL-5		
2025R		3.4	3.6
2032R		3.9	4.1
2030—See 2440			
2040, 2240 ending w/Serial No. 349,999			
ENGINE			
	.CF	5.7	6.0
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
	.HTF ¹	28.0	29.6
Pulley Housing			
	.HTF ¹	1.2	1.3
2040, 2240 beginning w/Serial No. 350,000			
ENGINE			
	.CF	7.0	7.4
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
Collar Shift Transmission			
	.HTF ¹	28.0	29.6
Synchronized Transmission			
	.HTF ¹	50-55	53-58
BELT PULLEY			
	.HTF ¹	1.0	1.2
FRONT AXLE HOUSING			
	.90 GL-5	5.3	5.6
FRONT FINAL DRIVE (each)			
	.90 GL-5	0.8	0.8
2150, 2255, 2350, 2550, 2750, 2950, 3150			
ENGINE			
2150, 2255	.CF	7.0	7.4
2350, 2550, 2750	.CF	8.5	9.0
2950, 3150	.CF	11.5	12.1
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
2150, 2255: Collar Shift			
	.HTF ¹	28.0	29.6
Synchronized			
	.HTF ¹	45.0	47.6
Oil cooler and reservoir, add			
	.HTF ¹	6.0	6.3
2350: Collar Shift			
	.HTF ¹	33.0	34.9
Synchronized			
	.HTF ¹	45.0	47.6
2550: Collar Shift			
	.HTF ¹	33.0	34.9
Synchronized			
	.HTF ¹	50.0	52.8
2750	.HTF ¹	50.0	52.8
2950	.HTF ¹	60.0	63.4
3150	.HTF ¹	47.0	49.6
FRONT DIFFERENTIAL			
2150, 2255	.GL-5 ²	5.3	5.6
2350, 2550	.GL-5 ²	5.0	5.3
2750, 2950, 3150	.GL-5 ²	7.0	7.4
FRONT HUBS (each)			
	.GL-5 ²	0.8	0.8
CLUTCH RESERVOIR			
	.HB	—	—
THROWOUT BEARING			
	.HG	—	—
LIFT LINK OILER			
	.MO	—	—
WHEEL BEARINGS & GREASE FITTINGS			
	.LM EP	—	—

FARM TRACTORS

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
2155, 2355, 2555, 2755, 2855N, 2955, 3155			
ENGINE			
2155	CF	6.0	6.3
2355, 2555, 2755, 2855N	CF	10.0	10.6
2955, 3155	CF	11.5	12.2
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
2155: Synchronized	HTF ¹	42.5	44.9
Collar Shift	HTF ¹	28.0	29.6
2355, 2555, 2755, 2855N: 2WD	HTF ¹	42.5	44.9
4WD	HTF ¹	45.5	48.1
w/front PTO	HTF ¹	47.5	50.2
2955, 3155: 2WD	HTF ¹	45.0	47.6
4WD	HTF ¹	48.0	50.7
w/front PTO	HTF ¹	50.0	52.8
FRONT DIFFERENTIAL			
2355, 2555, 2755, 2855N	GL-5 ²	5.3	5.6
2955	GL-5 ²	6.5	6.7
3155	GL-5 ²	7.0	7.2
FRONT HUBS (each)			
2355, 2555, 2755, 2855N, 3155	GL-5 ²	0.8	0.8
2955	GL-5 ²	1.0	1.1
CLUTCH RESERVOIR			
	HB	—	—
THROWOUT BEARING			
	HG	—	—
WHEEL BEARINGS & GREASE FITTINGS			
	LM EP	—	—
2210, 2305, 2320, 2520			
ENGINE⁵, including filter			
2210	SD/CD, SF/CD, CE	2.1	2.2
2305, 2320	SD/CD, SF/CD, CE	3.2	3.4
2520	SD/CD, SF/CD, CE	2.8	3.0
TRANSMISSION & HYDRAULIC SYSTEM⁶			
2210, 2305	—	13.0	13.7
2320	—	10.0	10.6
2520	—	14.6	15.4
<small>*Specification JDM J20A or JDM J20B</small>			
FRONT AXLE			
2310, 2305	—	2.5	2.6
2320, 2520	—	3.4	3.6
3005			
CRANKCASE including filter:			
3005	CH	2.8	3.0
5 to 122° F (-15 to 50° C)	15W-40		
-13 to 122° F (-25 to 50° C)	10W-40		
-13 to 104° F (-25 to 40° C)	10W-30		
-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION and HYDRAULIC SYSTEM			
3005	HTF	15.0	15.9
FRONT AXLE:			
3005	.80W-90 GL-5	3.0	3.2
3033R, 3039R, 3046R			
CRANKCASE including filter:			
3033R, 3039R	CJ-4	4.3	4.5
3046R	—	5.7	6.0
5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-22 to 104° F (-30 to 40° C), 5W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
John Deere PLUS-50 II oil is preferred or oil meeting API CJ-4 or higher.			
TRANSMISSION and HYDRAULIC SYSTEM			
All	HTF	25.7	27.2
FRONT AXLE:			
3039R	HTF	4.8	5.0
4044M, 4044R, 4052M, 4052R, 4066M, AND 4066R			
CRANKCASE including filter			
5 to 122° F (-15 to 50° C), 15W-40	CJ-4	5.4	5.7
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-22 to 104° F (-30 to 40° C), 5W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
John Deere PLUS-50 II oil is preferred or oil meeting API CJ-4 or higher.			
TRANSMISSION AND HYDRAULIC SYSTEM:			
HTF	44.0	46.5	
FRONT AXLE (MFWD)			
HTF	5.5	5.8	
4100, 4200, 4300, 4400, 4500, 4600			
ENGINE			
4100	CF, CF-4	2.7	2.8
4200	CF, CF-4	3.7	4.0
4300, 4400	CF, CF-4	4.1	4.5
4500, 4600	CF, CF-4	4.8	5.0
4700	CF, CF-4	5.8	6.2
32° to 122° F (0° to 50° C), 30			
5° to 122° F (-15° to 50° C), 15W-40			
-4° to 86° F (-20° to 30° C), 10W-30			
-22° to 86° F (-30° to 30° C), 5W-30			
TRANSMISSION/HYDRAULIC SYSTEM			
4100 gear trans	HTF	10.5	11.2
4100 hydro trans	HTF	12.5	13.2
4200, 4300, 4400 gear trans	HTF	24.0	25.2
4200, 4300, 4400 hydro trans	HTF	26.0	27.2

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
4500, 4600, 4700 gear trans			
HTF	25.7	27.2	
4500, 4600, 4700 hydro trans			
HTF	33.2	35.2	
FRONT DIFFERENTIAL			
4100	.80W-90 GL-5	3.4	3.6
4200, 4300, 4400	HTF	4.0	4.1
4500, 4600, 4700	HTF	7.0	7.4
John Deere 4210, 4310, 4410			
CRANKCASE including filter:			
4210	SG	3.8	4.0
4310	SG	4.3	4.5
4410	SG	4.3	4.5
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
Gear Models	HTF	24.0	6.3 gal
eHydro Models	HTF	26.0	6.8 gal
FRONT AXLE (MFWD)			
HTF	4.5	4.7	
John Deere 4510, 4610, 4710			
CRANKCASE including filter:			
4510	SG	4.8	5.1
4610	SG	4.8	5.1
4710	SG	4.8	5.1
5 to 122° F (-15 to 50° C)	15W-40		
-13 to 104° F (-25 to 40° C)	10W-30		
-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
Gear Models	HTF	36.9	9.7 gal
Hydrostatic Models	HTF	35.0	9.2 gal
FRONT AXLE (MFWD)			
HTF	5.0	5.3	
John Deere 4630 Sprayer			
ENGINE			
Crankcase including filter	CJ-4*	19.0	20.1
HYDROSTATIC/HYDRAULIC SYSTEM			
CI-4**	151.0	40.0 gal	
Reservoir only	—	53.7	14.2 gal
FINAL DRIVE (each)			
.85W-140 GL-5	2.0	2.1	
<small>* 5 to 122° F (-15 to 50° C), 15W-40</small>			
<small>-13 to 122° F (-25 to 50° C), 10W-40</small>			
<small>-13 to 104° F (-25 to 40° C), 10W-30</small>			
<small>-40 to 122° F (-40 to 50° C), 0W-40</small>			
<small>-22 to 104° F (-30 to 40° C), 5W-30</small>			
<small>John Deere PLUS-50 II oil is preferred.</small>			
<small>** -13 to 122° F (-25 to 50° C), Torq-Gard Supreme 10W-30</small>			
<small>-13 to 122° F (-25 to 50° C), Turf-Gard</small>			
<small>-13 to 122° F (-25 to 50° C), 10W-30 meeting API CI-4 or higher</small>			
<small>5 to 122° F (-15 to 50° C), John Deere Plus-50 oil</small>			
<small>5 to 122° F (-15 to 50° C), 15W-40 meeting API CI-4 or higher</small>			
John Deere 4730 Sprayer			
ENGINE			
Crankcase including filter	CJ-4*	26.0	27.5
HYDROSTATIC/HYDRAULIC SYSTEM			
CI-4**	163.0	43.0 gal	
Reservoir only	—	64.0	17.0 gal
FINAL DRIVE (each)			
Front	.85W-140 GL-5	1.2	1.3
Rear	.85W-140 GL-5	2.0	2.1
<small>* 5 to 122° F (-15 to 50° C), 15W-40</small>			
<small>-13 to 122° F (-25 to 50° C), 10W-40</small>			
<small>-13 to 104° F (-25 to 40° C), 10W-30</small>			
<small>-40 to 122° F (-40 to 50° C), 0W-40</small>			
<small>-22 to 104° F (-30 to 40° C), 5W-30</small>			
<small>John Deere PLUS-50 II oil is preferred.</small>			
<small>** -13 to 122° F (-25 to 50° C), Torq-Gard Supreme 10W-30</small>			
<small>-13 to 122° F (-25 to 50° C), Turf-Gard</small>			
<small>-13 to 122° F (-25 to 50° C), 10W-30 meeting API CI-4 or higher</small>			
<small>5 to 122° F (-15 to 50° C), John Deere Plus-50 oil</small>			
<small>5 to 122° F (-15 to 50° C), 15W-40 meeting API CI-4 or higher</small>			
5045, 5055, 5065, 5075			
CRANKCASE, including filter			
CH-4, CI-4, CJ-4	8.5	9.0	
<small>-4° to 104° F (-20° to 40° C), 10W-40</small>			
<small>-4° to 104° F (-20° to 40° C), 10W-30</small>			
<small>-22° to 104° F (-30° to 40° C), 5W-30</small>			
<small>10° to 122° F (-15° to 50° C), 5W-40</small>			
TRANSMISSION & HYDRAULIC SYSTEM			
2WD	HTF	38.0	40.2
MFWD	HTF	39.0	41.2
FRONT DRIVE AXLE			
All	GL-5	4.5	4.8
FRONT WHEEL HUB			
All	—	0.8	0.9
COOLING SYSTEM			
All	—	9.5	10.0
John Deere 5065M, 5075M, 5085M, 5095M, 5085MH, 5105M, 5105ML			
CRANKCASE including filter			
5065M, 5075M	CJ-4, CI-4, CI-4+	10.0	10.5
5085M, 5095M, 5095MH	CJ-4, CI-4, CI-4+	13.0	13.7
5105M, 5105ML	CJ-4, CI-4, CI-4+	13.0	13.7
<small>John Deere Plus-50 oil is preferred.</small>			
TRANSMISSION & HYDRAULIC SYSTEM			
w/ SyncShuttle Plus Trans.	HTF	53.0	14.0 gal
w/ PowrReverser Trans.	HTF	53.0	14.0 gal
w/ PowrReverser Plus Trans.	HTF	53.0	14.0 gal
w/ SyncReverser Trans.	HTF	53.0	14.0 gal

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
JOHN DEERE (continued)				JOHN DEERE (continued)			
FRONT AXLE	HTF	5.0	5.5	John Deere 5325N, 5425N, 5525N			
FRONT HUB (each)	HTF	0.8	0.85	CRANKCASE including filter:			
5083, 5093, 5101				5325N	CJ-4, CI-4, CI-4+	10.0	11.0
CRANKCASE , including filter				5425N, 5525N	CJ-4, CI-4, CI-4+	8.5	9.0
All	CF-4, CG-4, CH-4, CI-4, CJ-4	8.5	9.0	John Deere PLUS-50 oil is preferred.			
-40° to 122° F (-40° to 50° C), 0W-40				5 to 122° F (-15 to 50° C)	15W-40		
-22° to 104° F (-30° to 40° C), 5W-30				-13 to 122° F (-25 to 50° C)	10W-40		
-10° to 104° F (-20° to 40° C), 10W-30				-13 to 104° F (-25 to 40° C)	10W-30		
-10° to 122° F (-20° to 50° C), 10W-40				-40 to 122° F (-40 to 50° C)	0W-40		
10° to 122° F (-10° to 50° C), 15W-40				-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION & HYDRAULIC SYSTEM				TRANSMISSION and HYDRAULIC SYSTEM			
All	HTF	43.5	46.0	w/ 12x12 PowrReverser	HTF	43.5	11.5 gal
FRONT DRIVE AXLE				w/ 24x24 PowrReverser	HTF	45.4	12.0 gal
All	HTF	4.5	4.8	FRONT AXLE (MFWD)	HTF	5.0	5.3
FRONT WHEEL HUB				FRONT HUBS (each)	HTF	0.50	0.63
All	—	0.7	0.8	5603			
COOLING SYSTEM				CRANKCASE		8.5	9.0
All	—	11.4	12.0	API Service Category	CJ-4		
John Deere 5085E and 5100E				API Service Category	CI-4+		
CRANKCASE , including filter	CJ-4	11.0	11.6	API Service Category	CI-4		
5 to 122° F (-15 to 50° C) 15W-40				API Service Category	CH-4		
-13 to 122° F (-25 to 50° C) 10W-40				API Service Category	CG-4		
-13 to 104° F (-25 to 40° C) 10W-30				API Service Category	CF-4		
-40 to 122° F (-40 to 50° C) 0W-40				TRANSMISSION & HYDRAULIC SYSTEM		43.5	46.0
-22 to 104° F (-30 to 40° C) 5W-30				John Deere HY-GARD™			
TRANSMISSION & HYDRAULIC SYSTEM	HTF	43.5	—	John Deere Low Viscosity HY-GARD™		4.5	4.8
FRONT DRIVE AXLE	HTF	5.0	5.3	MFWD AXLE HOUSING			
FRONT HUBS (each)	HTF	0.7	0.74	John Deere HY-GARD™			
5103, 5203				John Deere Low Viscosity HY-GARD™			
CRANKCASE , including filter		8.5	9.0	WHEEL HUB		0.7	0.7
API Service Classification	CH-4			FUEL TANK		126.6	33.5 gal
API Service Classification	CG-4			6100D, 6110D, 6115D, 6125D, 6130D, 6140D			
API Service Classification	CF-4			CRANKCASE , including filter			
ACEA Specification E2				All	CH-4, CI-4, CJ-4	12.0	12.7
ACEA Specification E3				-40° to 122° F (-40° to 50° C), 0W-40			
TRANSMISSION & HYDRAULICS		37.9	40.0	-22° to 104° F (-30° to 40° C), 5W-30			
John Deere HY-GARD				-10° to 104° F (-20° to 40° C), 10W-30			
COOLING SYSTEM		9.5	10.0	-10° to 122° F (-20° to 50° C), 10W-40			
FUEL TANK		72.0	19.0 gal	10° to 122° F (-10° to 50° C), 15W-40			
5105, 5205				TRANSMISSION & HYDRAULIC SYSTEM			
ENGINE	CF-4, CG-4	7.5	7.9	All	HTF	58.0	61.3
TRANSMISSION	HTF ²	33.0	34.8	FRONT DRIVE AXLE			
FRONT DIFFERENTIAL	GL-5 ²	4.0	4.2	All	GL-5	6.5	6.9
FRONT HUBS (each)	GL-5 ²	0.5	0.6	FRONT WHEEL HUB			
5200, 5300, 5400, 5400N, 5500, 5500N, 5210, 5220, 5310, 5310N, 5320, 5320N, 5410, 5420, 5420N, 5510, 5510N, 5520, 5520N				All	—	2.0	2.1
ENGINE				COOLING SYSTEM			
5500N	CF-4, CG-4 ⁵	10.5	11.1	All	CF	16.5	17.4
Others	CF-4, CG-4 ⁵	8.5	9.0	John Deere 6105M, 6115M, 6125M and 6140M			
TRANSMISSION/HYDRAULIC SYSTEM				CRANKCASE , including filter			
5210, 5310, 5410, 5510: Dry Clutch	HTF ¹	38.0	40.2	All models	CJ-4	16.0	16.9
Wet Clutch	HTF ¹	42.5	44.0	5 to 122° F (-15 to 50° C) 15W-40			
5310N, 5320N, 5510N, 5520N	HTF ¹	41.8	44.0	-13 to 122° F (-25 to 50° C) 10W-40			
5220, 5320, 5420, 5520:				-13 to 104° F (-25 to 40° C) 10W-30			
Dry Clutch (collar shift & synch shuffle)	HTF ¹	38.0	40.0	-40 to 122° F (-40 to 50° C) 0W-40			
Wet Clutch (Power Reverser)	HTF ¹	43.1	46.0	-22 to 104° F (-30 to 40° C) 5W-30			
FRONT DIFFERENTIAL	GL-5 ²	5.0	5.2	TRANSMISSION AND HYDRAULIC SYSTEM			
FRONT HUBS (each)	GL-5 ²	0.5	0.6	SyncoPlus Transmission	HTF	52.0	54.3
WHEEL BEARINGS & GREASE FITTINGS	HG	—	—	PowrReverser Transmission	HTF	52.0	54.3
5225, 5325, 5425, 5525, 5625				PowrQuad Transmission	HTF	52.0	54.3
ENGINE , including filter				PowrQuad Plus Transmission	HTF	52.0	54.3
5225, 5325	SD/CD, SF/CD, CE	10.0	10.6	AutoQuad Plus Transmission	HTF	52.0	54.3
5425, 5525, 5625	SD/CD, SF/CD, CE	8.5	9.0	with Creeper Transmission	HTF	1.0	1.1
TRANSMISSION & HYDRAULIC SYSTEM				with front-wheel drive axle (with or without TLS)	HTF	3.0	3.2
PowerReverse Transmission				with additional oil reservoir	HTF	14.0	14.8
12/12	HTF ¹	43.5	46.0	FRONT DRIVE AXLE	HTF	8.2	8.7
24/24	HTF ¹	45.4	48.0	FRONT HUBS (each)	HTF		
SyncShuttle Transmission	HTF ¹	38.0	40.2	Without Brakes		1.7	1.8
FRONT AXLE HOUSING				With Brakes		2.6	2.7
All	—	4.5	4.8	FRONT PTO	HTF	2.6	2.7
WHEEL HUB				John Deere 6105R, 6115R, and 6125R			
All	—	0.7	0.7	CRANKCASE , including filter			
5303, 5403				All models	CJ-4	16.0	16.9
CRANKCASE		8.5	9.0	5 to 122° F (-15 to 50° C) 15W-40			
API Service Category	CI-4+			-13 to 122° F (-25 to 50° C) 10W-40			
API Service Category	CI-4			-13 to 104° F (-25 to 40° C) 10W-30			
API Service Category	CH-4			-40 to 122° F (-40 to 50° C) 0W-40			
TRANSMISSION & HYDRAULIC SYSTEM		38.0	40.0	-22 to 104° F (-30 to 40° C) 5W-30			
John Deere HY-GARD™				TRANSMISSION & HYDRAULIC SYSTEM			
COOLING SYSTEM		9.5	10.0	PowrQuad Plus Transmission	HTF	53.0	56.0
FUEL TANK		68.0	18.0 Gal	AutoQuad Plus Transmission	HTF	53.0	56.0
				AutoPowr Transmission	HTF	60.0	63.4
				with Creeper Transmission	HTF	1.0	1.1
				with additional oil reservoir	HTF	17.0	18.0
				FRONT DRIVE AXLE	HTF	8.2	8.7
				FRONT HUBS (each)			
				Without Brakes	HTF	1.7	1.8
				With Brakes	HTF	2.6	2.7
				FRONT PTO	HTF	2.6	2.7

FARM TRACTORS

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
John Deere 6110J, 6125J and 6130J			
CRANKCASE, including filter			
6110J, 6125J	CJ-4	12.0	12.7
6130J	CJ-4	19.5	20.6
5 to 122° F (-15 to 50° C)	15W-40		
-13 to 122° F (-25 to 50° C)	10W-40		
-13 to 104° F (-25 to 40° C)	10W-30		
-40 to 122° F (-40 to 50° C)	0W-40		
-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION & HYDRAULIC SYSTEM			
All Models	HTF	65.4	69.1
FRONT DRIVE AXLE	HTF	8.7	9.2
FRONT HUBS (each)	HTF	0.75	0.8
John Deere 6140R, 6150R, 6150RH, 6170R, 6190R			
CRANKCASE, including filter			
All models	CJ-4	23.5	24.8
5 to 122° F (-15 to 50° C)	15W-40		
-13 to 122° F (-25 to 50° C)	10W-40		
-13 to 104° F (-25 to 40° C)	10W-30		
-40 to 122° F (-40 to 50° C)	0W-40		
-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
6140R, 6150R & 6150RH			
PowrQuad Plus Transmission	HTF	63.0	66.6
AutoQuad Plus Transmission	HTF	63.0	66.6
DirectDrive Transmission	HTF	62.0	65.5
AutoPowr Transmission	HTF	75.0	79.3
with Creeper Transmission	HTF	1.0	1.1
with additional oil reservoir	HTF	21.0	22.2
6170R, 6190R & 6210R			
PowrQuad Plus Transmission	HTF	71.0	76.1
AutoQuad Plus Transmission	HTF	75.0	79.3
DirectDrive Transmission	HTF	71.0	76.1
AutoPowr Transm sion	HTF	81.0	85.6
with additional oil reservoir	HTF	+28.0L	+29.6
FRONT DRIVE AXLE	HTF	8.2	8.7
FRONT HUBS (each)			
Without Brakes	HTF	1.7	1.8
With Brakes	HTF	2.6	2.7
John Deere 6150M and 6170M			
CRANKCASE, including filter			
All models	CJ-4	23.5	24.8
5 to 122° F (-15 to 50° C)	15W-40		
-13 to 122° F (-25 to 50° C)	10W-40		
-13 to 104° F (-25 to 40° C)	10W-30		
-40 to 122° F (-40 to 50° C)	0W-40		
-22 to 104° F (-30 to 40° C)	5W-30		
TRANSMISSION & HYDRAULIC SYSTEM			
PowrQuad Transmission	HTF	56.0	59.2
PowrQuad Plus Transmission	HTF	56.0	59.2
AutoQuad Plus Transmission	HTF	56.0	59.2
with Creeper Transmission	HTF	+1.0L	+1.1
with front-wheel drive axle (with or without TLS)	HTF	+3.0L	+3.2
with additional oil reservoir	HTF	+14.0L	+14.8
FRONT DRIVE AXLE	HTF	8.2	8.7
FRONT HUBS (each)			
Without Brakes	HTF	1.7	1.8
With Brakes	HTF	2.6	2.7
FRONT PTO	HTF	2.6	2.7
6110, 6110L, 6210, 6210L, 6310, 6310L, 6310S, 6405, 6410, 6410L, 6410S, 6510L, 6510S			
ENGINE ⁷	CE ⁸ , CF-4, CG-4	12.0	12.8
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
SynchroPlus Transm sion	BTF, HTF	52.0	54.8
Power Reverser Transmission	BTF, HTF	52.0	54.8
Power Quad Transmission	BTF, HTF	49.0	51.6
Add for Creeper Transmission		1.0	1.2
Add for MFWD		3.0	3.2
-13° to 122°F (-25° to 50°C), HTF			
5° to 104°F (-15° to 40°C), BTF			
-40° to 86°F (-40° to 30°C), low-viscosity HTF			
FRONT WHEEL DRIVE			
Front Axle Housing	BTF, HTF	5.0	5.2
Front Drive Housing (each)	BTF, HTF	0.8	0.8
-13° to 122°F (-25° to 50°C), HTF			
5° to 104°F (-15° to 40°C), BTF			
WHEEL BEARINGS & GREASE FITTINGS			
	.HG	—	—
6215, 6415, 6615, 6715			
ENGINE ⁶ , including filter			
6215, 6415	CF-4, CG-4, CH-4	16.0	16.8
6615, 6715	CF-4, CG-4, CH-4	20.0	21.0
TRANSMISSION & HYDRAULIC SYSTEM			
All	HTF ⁸	52.0	55.0
Add with Creeper Transmission		1.0	1.0
Add with Front Wheel Drive		3.0*	3.2*

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
6230, 6330, 6430			
ENGINE ⁷ , including filter			
All	CE, CF-4, CG-4	16.0	16.9
TRANSMISSION & HYDRAULIC SYSTEM			
Autoquad Transmission	HTF ⁹	50.0	52.8
Powerquad Transmission			
16/16 Gears		49.0	51.8
24/24 Gears		50.0	52.8
FRONT AXLE HOUSING			
All		6.5	7.0
6405, 6605			
ENGINE ⁶			
6405	CE ⁸ , CF-4, CG-4	12.0	12.8
6605: before S.N. 265203	CE ⁸ , CF-4, CG-4	18.0	19.2
265203 & later	CE ⁸ , CF-4, CG-4	19.5	20.8
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
SynchroPlus Transmission/Power Reverser Trans.	BTF, HTF	52.0	54.8
Add for creeper transmission		1.0	1.2
Add for MFD		3.0	3.2
-13° to 122°F (-25° to 50°C), HTF			
5° to 104°F (-15° to 40°C), BTF			
-40° to 86°F (-40° to 30°C), low-viscosity HTF			
FRONT WHEEL DRIVE			
Front Axle Housing, 6605	BTF, HTF	6.3	6.8
6405	BTF, HTF	5.0	5.2
Front Drive Housing (each)	BTF, HTF	0.8	0.8
-13° to 122°F (-25° to 50°C), HTF			
5° to 104°F (-15° to 40°C), BTF			
WHEEL BEARINGS & GREASE FITTINGS			
	.HG	—	—
6520			
CRANKCASE			
API	CG-4	16.0	16.9
API	CF-4		
TRANSMISSION/HYDRAULIC SYSTEM			
IVT TRANS		60.1	63.5
POWERQUAD TRANS		50.0	52.8
SYNCHROPLUS TRANS		52.0	54.9
Extra w/FWD		3.0	3.1
John Deere HY-GARD®			
John Deere Low Viscosity HY-GARD			
COOLING SYSTEM			
		13.5	14.3
FUEL TANK			
		185.0	48.9
7210R, 7230R, 7250R, 7270R AND 7290R (080001-)			
CRANKCASE, including filter:			
Tier 4 and Stage III B Engines	CJ-4		
Tier 2 and Stage II Engines	CJ-4, CI-4, CI-4, CH-4		
7210R, 7230R, 7250R, 7270R		24.5	26.0
7290R		27.0	28.5
John Deere PLUS-50 II oil is preferred.			
5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
-22 to 104° F (-30 to 40° C), 5W-30			
TRANSMISSION and HYDRAULIC SYSTEM			
e23	HTF	160.0	169.0
CommandQuad		160.0	169.0
IVT/ AutoPowr		160.0	169.0
FRONT AXLE (MFWD)	HTF	14.4	15.25
FRONT HUBS: (each)			
With Brakes	HTF	3.9	4.1
Without Brakes		3.8	4.0
FRONT PTO	HTF	4.0	4.25
Triple-Link Suspension Plus			
With Differential Lock		10.8	11.4
With Limited Slip		14.4	15.25
DEF TANK	DEF	25.7	6.8 gal
7200, 7400			
ENGINE ⁷	CF	18.0	19.0
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
SynchroPlus & PowerQuad			
2WD	HTF, TU ³	57.0	60.3
2WD w/Creeper	HTF, TU ³	61.0	64.5
4WD	HTF, TU ³	64.0	67.7
4WD w/Creeper	HTF, TU ³	68.0	71.9
FRONT DIFFERENTIAL	GL-5 ⁴	8.5	9.0
FRONT HUBS (each)	GL-5 ⁴	1.9	2.0
FINAL DRIVES (Hi-Crop, each)	GL-5 ⁴	3.8	4.0
WHEEL BEARINGS & GREASE FITTINGS			
	.HG	—	—
7600, 7610, 7700, 7710, 7800, 7810			
ENGINE			
7600, 7700, 7800	CF-4, CG-4	18.0	19.0
7610	CF-4, CG-4	19.0	20.0
7710, 7810	CF-4, CG-4	25.0	26.4

FARM TRACTORS

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
PowerQuad:			
2WD	HTF, TU ³	87.0	91.9
2WD w/Creep	HTF, TU ³	91.0	96.2
4WD	HTF, TU ³	98.3	103.9
Powershift:			
2WD	HTF, TU ³	91.0	96.2
4WD	HTF, TU ³	102.3	108.1
FRONT DIFFERENTIAL	GL-5*	8.5	9.0
FRONT HUBS (each)	GL-5*	1.9	2.0
WHEEL BEARINGS & GREASE FITTINGS	HG	—	—
7630, 7730, 7830, 7930			
ENGINE⁶, including filter			
All	CE, CF-4, CG-4	26.0	27.5
TRANSMISSION & HYDRAULIC SYSTEM			
All	HTF ⁸	108.0	114.1
FRONT HUBS			
Heavy Duty	GL-5	3.8	4.0
Standard	GL-5	1.9	2.0
FRONT WHEEL BEARINGS	HG	—	—
John Deere 7660 Cotton Picker			
ENGINE			
Crankcase including filter	CJ-4*	41.0	43.3
HYDROSTATIC/HYDRAULIC SYSTEM			
Reservoir only	HTF	284.0	75.0 gal
Reservoir only	HTF	151.0	40.0 gal
TRANSMISSION			
Final Drive	HTF	19.0	20.0
Pump Drive Gearbox	HTF	7.8	8.2
POWERED REAR AXLE:			
Main housing	.80W-80 GL-5	15.1	16.0
Auxiliary Gearbox		7.8	8.2
Planetary		1.3	1.4
		3.8	4.0
* 5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
-22 to 104° F (-30 to 40° C), 5W-30			
John Deere PLUS-50 oil is preferred.			
John Deere 7720, 7820, 7920			
CRANKCASE including filter:			
7720	CJ-4, CI-4, CI-4+	26.0	27.5
7820, 7920	CJ-4, CI-4, CI-4+	24.0	25.4
John Deere PLUS-50 oil is preferred.			
5 to 122° F (-15 to 50° C) .15W-40			
-13 to 122° F (-25 to 50° C) .10W-40			
-13 to 104° F (-25 to 40° C) .10W-30			
-40 to 122° F (-40 to 50° C) .0W-40			
-22 to 104° F (-30 to 40° C) .5W-30			
TRANSMISSION and HYDRAULIC SYSTEM			
All	HTF	108.0	28.5 gal
FRONT AXLE (MFWD)	HTF	14.9	15.2
FRONT HUBS:			
Standard Hubs	HTF	1.9	2.0
HD Axle Hubs	HTF	3.8	4.0
FRONT PTO (if equipped)	HTF	8.0	8.5
John Deere 7760 Cotton Picker			
ENGINE			
CRANKCASE, including filter	CJ-4*	41.0	43.3
HYDROSTATIC/HYDRAULIC SYSTEM			
Reservoir only	HTF	348.3	92.0 gal
Reservoir only	HTF	246.0	65.0 gal
TRANSMISSION			
Final Drive	HTF	19.0	20.0
Pump Drive Gearbox	HTF	7.8	8.2
POWERED REAR AXLE:			
Main housing	.80W-80 GL-5	15.1	15.9
Auxiliary Gearbox		7.8	8.2
Planetary		1.3	1.4
		3.8	4.0
* 5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
-22 to 104° F (-30 to 40° C), 5W-30			
John Deere PLUS-50 oil is preferred.			
8100, 8110, 8200, 8210, 8300, 8310, 8400, 8410			
ENGINE⁶			
8100, 8110	CF-4, CG-4	21.5	22.7
8200, 8210	CF-4, CG-4	23.5	24.8
8300, 8310	CF-4, CG-4	25.0	26.4
8400, 8410	CF-4, CG-4	28.0	29.6
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM (total)			
Drain & Fill	HTF	140.0	148.0
Drain & Fill ex. reservoir		117.8	124.0
FRONT DIFFERENTIAL	GL-5	91.2	96.0
FRONT HUBS (each)	GL-5	10.9	11.0
WHEEL BEARINGS & GREASE FITTINGS	LB/GC	3.0	3.2
		—	—

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
8100T, 8110T, 8120T, 8200T, 8210T, 8220T, 8300T, 8310T, 8320T, 8400T, 8410T, 8420T, 8520T			
ENGINE⁶			
8100T, 8110T, 8120T	CF-4, CG-4	21.5	22.7
8200T, 8210T, 8220T	CF-4, CG-4	23.5	24.8
8300T, 8310T, 8320T	CF-4, CG-4	25.0	26.4
8400T, 8410T	CF-4, CG-4	28.0	29.6
8420T	CF-4, CG-4	27.0	28.5
8520T	CF-4, CG-4	31.5	33.3
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
HUB HOUSING (each side)	HTF	246.0	260.0
GREASE FITTINGS	HTF	25.0	26.4
	LB/GC	—	—
8130, 8230, 8330, 8430, 8530, & 8630			
ENGINE⁷, including filter			
8130, 8230 & 8330	SD/CD, SF/CD, CE	24.0	25.4
8430	SD/CD, SF/CD, CE	25.5	27.0
8530	SD/CD, SF/CD, CE	28.0	29.6
8600	SD/CD, SF/CD, CE	24.6	26.0
TRANSMISSION & HYDRAULIC SYSTEM			
w/o Independent Link Suspension	HTF ¹	150.0	158.5
w/Independent Link Suspension	HTF ¹	160.0	169.0
FRONT DIFFERENTIAL			
1300 Axle	GL-5	13.6	14.4
1500 Axle	GL-5	16.5	17.4
FRONT WHEEL HUBS			
w/o Independent Link Suspension		3.4	3.6
w/Independent Link Suspension		4.0	4.2
8245R, 8270R, 8295R, 8320R, 8335R, 8345R, 8370R			
CRANKCASE, INCLUDING FILTER & FRONT AXLE			
8245R, 8270R, 8295R w/1300 MFWD Axle	CJ-4, E9, E6*	25.0	26.4
8245R, 8270R, 8295R, 8320R, 8335R, 8345R, 8370R		28.0	29.6
w/1500 MFWD Axle		28.0	29.6
w/ILS Axle			
-40° TO 122° F (-40° TO 50° C) 0W-40			
-22° TO 104° F (-30° TO 40° C) 5W-30			
-10° TO 104° F (-25° TO 40° C) 10W-30			
-10° TO 122° F (-25° TO 50° C) 10W-40			
10° TO 122° F (-15° TO 50° C) 15W-40			
* John Deere Plus-50 II is the recommended engine oil.			
TRANSMISSION, DIFFERENTIAL, HYDRAULIC SYSTEM			
1300/1500 MFWD	HTF	147.0	155.3
ILS	HTF	165.0	174.4
AXLE HOUSING			
8245R, 8270R, 8295R w/1300 MFWD Axle	HTF	13.6	14.4
8245R, 8270R, 8295R, 8320R, 8335R, 8345R, 8370R		18.7	19.8
w/1500 MFWD Axle		18.7	19.8
WHEEL HUBS-EACH			
40° TO 32° F (-40° TO 0° C) 75W	GL-5		
14° TO 104° F (-10° TO 40° C) 90			
32° TO 122° F (0° TO 50° C) 140			
-40° TO 104° F (-40° TO 40° C) 75W-90			
-15° TO 104° F (-25° TO 40° C) 80W-90			
-15° TO 122° F (-25° TO 50° C) 80W-140			
14° TO 122° F (-10° TO 50° C) 85W-140			
1300/1500 MFWD		3.8	4.0
ILS		3.8	4.0
8245R, 8270R, 8295R		3.8	4.0
8320R, 8335R, 8345R, 8370R		3.8	4.0
8320RT, 8345RT, 8370RT			
CRANKCASE, including filter:			
8320RT, 8345RT, 8370RT	CJ-4	25.0	26.4
John Deere PLUS-50 II oil is preferred.			
5 to 122° F (-15 to 50° C), 15W-40			
-13 to 122° F (-25 to 50° C), 10W-40			
-13 to 104° F (-25 to 40° C), 10W-30			
-40 to 122° F (-40 to 50° C), 0W-40			
-22 to 104° F (-30 to 40° C), 5W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
8320RT, 8345RT, 8370RT	HTF	180.0	190.2
DRIVE WHEEL HUB	HTF (each)	1.6	1.7
DEF TANK	DEF	25.3	6.7
usage volume		27.9	7.4
usable volume		27.9	7.4
John Deere 8235R, 8260R, 8285R, 8310R, 8335R, 8360R			
CRANKCASE including filter:			
8235R, 8260R, 8285R:	CJ-4, CI-4, CI-4+	25.0	26.4
w/2WD/1300 MFWD		28.0	29.5
w/1500 MFWD		27.5	29.9
w/Ind. Link Sus.		28.0	29.5
8310R, 8335R, 8360R:		27.5	29.9
w/1500 MFWD		28.0	29.5
w/Ind. Link Sus.		27.5	29.9
John Deere PLUS-50 oil is preferred.			
5 to 122° F (-15 to 50° C) .15W-40			
-13 to 122° F (-25 to 50° C) .10W-40			
-13 to 104° F (-25 to 40° C) .10W-30			
-40 to 122° F (-40 to 50° C) .0W-40			
-22 to 104° F (-30 to 40° C) .5W-30			

FARM TRACTORS

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
w/ 2WD & MFWD	HTF	165.0	43.0 gal
w/ Ind. Link Sus.	HTF	175.0	46.0 gal
AXLE HOUSING			
1300 MFWD	HTF	13.6	14.2
1500 MFWD	HTF	18.7	19.7
WHEEL HUBS (each)			
All	GL-5	3.8	4.0
John Deere GL-5 Gear Lubricant or Extreme Guard is preferred			
-40 to 122° F (-40 to 50° C)		.75W-90	
5 to 122° F (-15 to 50° C)		.80W-140	
John Deere 8310RT, 8335RT, 8360RT			
CRANKCASE including filter:			
8310RT, 8335RT, 8360RT	CJ-4	25.0	26.4
John Deere PLUS-50 oil is preferred.			
5 to 122° F (-15 to 50° C)		.15W-40	
-13 to 122° F (-25 to 50° C)		.10W-40	
-13 to 104° F (-25 to 40° C)		.10W-30	
-40 to 122° F (-40 to 50° C)		.0W-40	
-22 to 104° F (-30 to 40° C)		.5W-30	
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
8310RT, 8335RT, 8360RT	HTF	258.0	68.3 gal
DRIVE WHEEL HUB (each)	HTF	1.6	1.7
9100, 9120, 9200, 9220, 9300, 9320, 9400, 9420, 9520 ENGINE⁵			
9100	CF-4, CG-4	30.0	32.0
9120	CF-4, CG-4	26.5	28.0
9200, 9220, 9300, 9320, 9400, 9420, 9520	CF-4, CG-4	42.0	44.0
TRANSMISSION³			
12 and 24 speed including axles:			
w/PTO		131.0	138.0
w/o PTO		129.0	136.0
Power Shift, 9100, 9200, 9300, 9400:			
w/PTO		52.0	56.0
w/o PTO		51.0	54.0
Total Axle System		103.0	108.0
Rear Axle Only		68.0	72.0
Power Shift, 9120, 9220, 9320, 9420, 9520:			
w/PTO		134.0	141.6
w/o PTO		138.0	145.6
HYDRAULIC SYSTEM⁶			
9100, 9200, 9300, 9400: w/Hitch	TU, HTF	80.0	84.0
w/o Hitch		76.0	80.0
9120, 9220, 9320, 9420, 9520: w/Hitch		103.0	108.0
w/o Hitch		106.0	112.0
24 Speed: John Deere 9230, 9430, 9530, 9630			
CRANKCASE including filter:			
9230	CJ-4, CI-4, CI-4+	28.0	29.6
9330 (S.N. 000001-021999)		42.0	44.4
9330 (S.N. 022000-)		40.0	42.2
9430 (S.N. 000001-021999)		42.0	44.4
9430 (S.N. 022000-)		40.0	42.2
9530 (S.N. 000001-021999)		60.0	63.4
9530 (S.N. 022000-)		56.0	59.2
9630 (S.N. 000001-021999)		60.0	63.4
9630 (S.N. 022000-)		56.0	59.2
John Deere PLUS-50 oil is preferred.			
5 to 122° F (-15 to 50° C)		.15W-40	
-13 to 122° F (-25 to 50° C)		.10W-40	
-13 to 104° F (-25 to 40° C)		.10W-30	
-40 to 122° F (-40 to 50° C)		.0W-40	
-22 to 104° F (-30 to 40° C)		.5W-30	
TRANSMISSION and Axle			
18 Speed Powershift:	HTF		
w/ PTO		60.5	63.9
w/o PTO		56.8	60.0
w/ 100 mm Axles		110.0	116.2
w/ 110 mm Axles		114.0	120.5
w/ 120 mm Axles		87.0	91.9
w/ PTO & w/ 100 mm Axles		144.0	152.2
w/o PTO & w/ 100 mm Axles		140.0	147.9
w/ PTO & w/ 110 mm Axles		148.0	156.4
w/o PTO & w/ 110 mm Axles		144.0	152.2
HYDRAULIC SYSTEM:			
w/ Hitch (Standard)	HTF	106.0	112.0
w/o Hitch (Standard)		102.0	107.8
w/ Hitch (High Flow)		117.0	123.6
w/o Hitch (High Flow)		113.5	119.9
John Deere 9430T, 9530T, 9630T			
CRANKCASE including filter:			
9430T	CJ-4, CI-4, CI-4+	42.0	44.4
9530T		60.0	63.4
9630T		60.0	63.4
John Deere PLUS-50 oil is preferred.			
5 to 122° F (-15 to 50° C)		.15W-40	
-13 to 122° F (-25 to 50° C)		.10W-40	
-13 to 104° F (-25 to 40° C)		.10W-30	
-40 to 122° F (-40 to 50° C)		.0W-40	
-22 to 104° F (-30 to 40° C)		.5W-30	

	Lubricant	Liters	Qt
JOHN DEERE (continued)			
TRANSMISSION and Axle			
18 Speed Powershift:	HTF		
w/ PTO		230.0	61.0 gal
w/o PTO		227.0	60.0 gal
24 Speed:			
w/ PTO & w/ 100 mm Axles	HTF	144.0	152.2
w/o PTO & w/ 100 mm Axles		140.0	147.9
w/ PTO & w/ 110 mm Axles		148.0	156.4
w/o PTO & w/ 110 mm Axles		144.0	152.2
HYDRAULIC SYSTEM:			
w/ Hitch		104.0	109.9
w/o Hitch		102.0	107.8
1 HTF specifications:			
-13° to 122° F (-25° to 50° C), spec. JDM J20A HTF			
-40° to 68° F (-40° to 20° C), spec. JDM J20B HTF			
-67° to 14° F (-55° to -10° C), Arctic			
Note: May use MIL-L-46167A for Arctic oil.			
2 GL-5 viscosities:			
23° to 122° F (-5° to 50° C), 140			
14° to 122° F (-10° to 50° C), 90, 85W-140			
-13° to 122° F (-25° to 50° C), 80W-90, 80W-140			
-40° to 68° F (-40° to 20° C), 75W-90			
-40° to 32° F (-40° to 0° C), 75W			
-67° to 14° F (-55° to -10° C), Arctic			
Note: May use MIL-L-10324A for Arctic oil.			
3 HTF/TU specifications:			
5° to 104° F (-15° to 40° C), spec. JDM J27A (15W-40) TU			
-4° to 86° F (-20° to 30° C), spec. JDM J27A (10W-30) TU			
-13° to 122° F (-25° to 50° C), spec. JDM J20C HTF			
-40° to 68° F (-40° to 20° C), spec. JDM J20D HTF			
-67° to 14° F (-55° to -10° C), Arctic			
Note: Do not use engine oils.			
Note: Use Arctic oils meeting MIL-L-46167B.			
4 Alternate GL-5 viscosities:			
32° to 122° F (0° to 50° C), 140			
14° to 104° F (-10° to 40° C), 90			
14° to 122° F (-10° to 50° C), 85W-140			
-13° to 122° F (-25° to 50° C), 80W-140			
-13° to 104° F (-25° to 40° C), 80W-90			
-40° to 68° F (-40° to 20° C), 75W-90			
-40° to 32° F (-40° to 0° C), 75W			
-67° to 14° F (-55° to -10° C), Arctic			
Note: May use MIL-L-10324A for Arctic oil.			
5 Alternate engine oil viscosities:			
50° to 122° F (10° to 50° C), 40			
32° to 86° F (0° to 30° C), 30			
5° to 122° F (-15° to 50° C), 15W-40 preferred			
-4° to 104° F (-20° to 40° C), 10W-40			
-22° to 86° F (-30° to 30° C), 5W-30			
-40° to 86° F (-40° to 30° C), 0W-30			
6 Alternate engine oil viscosities:			
5° to 122° F (-15° to 50° C), 15W-40			
40° to 104° F (-40° to 40° C), 0W-40			
32° to 104° F (0° to 40° C), 30			
-4° to 104° F (-20° to 40° C), 10W-40			
-22° to 86° F (-30° to 30° C), 5W-30			
7 Alternate engine oil viscosities:			
50° to 104° F (10° to 40° C), 40			
32° to 86° F (0° to 30° C), 30			
5° to 122° F (-15° to 50° C), 15W-40			
-4° to 86° F (-20° to 30° C), 10W-30			
-4° to 50° F (-20° to 10° C), 10W-30			
-22° to 68° F (-30° to 20° C), 5W-30			
-67° to 14° F (-55° to -10° C), Arctic			
Note: Use Arctic oils meeting MIL-L-46167B.			
8 HTF specifications:			
-13° to 122° F (-25° to 50° C), spec. JDM 20C or 20D			
5° to 104° F (-15° to 40° C), BIO-HY-GARD, Use where required.			
-40° to 86° F (-40° to 30° C), low viscosity spec. JDM 20C or 20D.			
9 HTF specifications:			
-13° to 122° F (-25° to 50° C), spec. JDM 20C			
-40° to 68° F (-40° to 20° C), JDM 20D			
Below -22° F (-30° C), Arctic oils meeting MIL-L-46167B			
KIOTI			
DK40, DK45			
CRANKCASE, including filter			
All	CC, CD	8.0	8.5
Above 77° F (25° C), 10W-30, 15W-40			
32° to 77° F (0° to 25° C), 10W-30, 15W-40			
Below 32° F (0° C), 5W-30, 10W-30			
TRANSMISSION & HYDRAULIC SYSTEM			
HST Trans	UTF ¹	42.0	44.4
Manual Trans	UTF ¹	52.0	55.0
FRONT AXLE			
All	GL-5	7.5	7.9
COOLING SYSTEM			
All		8.9	9.4
GREASE FITTINGS			
All	LM		

FARM TRACTORS

	Lubricant	Liters	Qt
KIOTI (continued)			
DK75, DK90			
CRANKCASE, including filter			
All	CC, CD	10.5	11.1
All Temperatures, 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM			
All	UTF ¹	74.0	78.2
FRONT AXLE			
All	GL-5	4.5	4.8
COOLING SYSTEM			
DK75	—	12.5	33.0
DK90	—	18.8	19.9
GREASE FITTINGS			
1 Or Mobilfluid 427.	LM	—	—
KUBOTA			
B1550, B1750, B2150			
ENGINE			
B1550, B1750	CF ¹	3.1	3.3
B2150	CF ¹	4.2	4.4
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
B1550, B1750	HTF	13.5	14.3
B2150	HTF	18.0	19.0
FRONT DIFFERENTIAL			
B1550	.80 or 90 GL-5	0.5	0.5
B1550, B1750 w/BI-Speed	.80 or 90 GL-5	2.5	2.6
B1750	.80 or 90 GL-5	1.5	1.6
B2150	.80 or 90 GL-5	2.1	2.2
BEVEL GEAR HOUSINGS (each)			
B1550	.80 or 90 GL-5	0.2	0.2
B1750, B2150	.80 or 90 GL-5	0.5	0.5
WHEEL BEARINGS & GREASE FITTINGS			
	LM	—	—
B1700, B2100, B2400, B2410, B2710, B2910			
ENGINE			
All ex. B2710, B2910	CF ¹	3.0	3.2
B2710, B2910	CF ¹	4.1	4.3
TRANSMISSIONS			
Hydrostatic type	HTF	12.0	12.7
Manual type	HTF	11.0	11.7
B2410	HTF	15.5	16.4
B2710, B2910	HTF	15.8	16.7
FRONT DIFFERENTIAL			
4-WD all ex. B2410, B2710, B2910	HTF, 80 or 90 GL-5	3.7	3.9
BI-speed turn all ex. B2410, B2710, B2910	HTF, 80 or 90 GL-5	4.5	4.7
GREASE FITTINGS			
	LM	—	—
B2320, B2620, B2920, B3200			
CRANKCASE, including filter			
B2320, B2620	.CF, CG-4	3.1	3.3
B2920	.CF, CG-4	3.3	3.5
B3200	.CF, CG-4	5.4	5.7
-13° to 86° F (-25° to 30° C), 10W-30			
-13° to 104° F (-25° to 40° C), 10W-40			
TRANSMISSION & HYDRAULIC SYSTEM			
B2320:			
DT Transmission	HTF	14.0	14.8
HSD Transmission	HTF	15.0	15.9
B2620, B2920	HTF	15.0	15.9
B3200	HTF	15.8	16.7
FRONT DRIVE AXLE			
All	—	3.2	3.4
COOLING SYSTEM			
B2320, B2620, B2920	—	3.9	4.1
B3200	—	4.5	4.7
B2650, B3350, B3350SU			
CRANKCASE, including filter			
B2650	CI-4/CH-4, CF-4/CG-4	4.0	4.2
B3350/3350SU	CJ-4	4.8	5.1
Above 77° F (25° C) 30, 10W-30, 15W-40			
14° TO 77° F (-10° TO 25° C), 20, 10W-30, 15W-40			
Below 14° F (-10° C), 10W-30			
TRANSMISSION			
All Models	HTF	15.0	15.9
FRONT AXLE			
	HTF	4.7	5.0
B4200, B5100, B5200, B6100, B6200, B7100, B7200, B7410, B7510, B7610, B7800, B8200, B9200			
ENGINE			
B4200, B5100	CF ¹	2.3	2.4
B5200, B6200, B7200	CF ¹	3.4	3.6
B6100, B7100, B8200	CF ¹	3.9	4.1
B7410, B7510, B7610	CF ¹	3.0	3.2
B7800	CF ¹	4.1	4.3
B9200	CF ¹	4.2	4.4
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
B4200, B5100	HTF	8.5	9.0
B5200, B6200, B7200	HTF	12.0	12.7
B6100, B7100: Gear Drive	HTF	11.5	12.1
Hydrostatic Drive	HTF	13.5	14.3

	Lubricant	Liters	Qt
KUBOTA (continued)			
B7410, B7510, B7610	HTF	15.3	16.1
B7800	HTF	14.4	15.2
B8200, B9200	HTF	18.0	19.0
FRONT DIFFERENTIAL			
B4200, B5100, B5200, B6200	.80 or 90 GL-5	0.5	0.5
B5100, B6100	.80 GL-5	0.5	0.5
B7100: Gear Drive	.80 GL-5	0.7	0.7
Hydrostatic Drive	.80 GL-5	1.5	1.6
B7200	.80 or 90 GL-5	1.5	1.6
B8200, B9200	.80 or 90 GL-5	2.1	2.2
BEVEL GEAR HOUSINGS (each)			
B4200, B5100, B5200, B6200	.80 or 90 GL-5	0.2	0.2
B5100, B6100	.80 GL-5	0.2	0.2
B7100: Gear Drive	.80 GL-5	0.2	0.2
Hydrostatic Drive	.80 GL-5	0.5	0.5
B7200, B8200, B9200	.80 or 90 GL-5	0.5	0.5
Steering Gearbox	.80 or 90 GL-5	—	—
WHEEL BEARINGS & GREASE FITTINGS			
	LM	—	—
LT45L, M59TL			
CRANKCASE, including filter			
L45TL	CI-4/CH-4, CG-4/CF-4	8.2	8.7
M59TL	CI-4	9.4	9.9
Above 77° F (25° C) 30, 10W-30, 15W-40			
14° TO 77° F (-10° TO 25° C), 20, 10W-30, 15W-40			
Below 14° F (-10° C), 10W-30			
TRANSMISSION			
All Models	HTF	46.0	48.6
FRONT AXLE			
L45TL	HTF	7.0	7.4
M59TL	HTF	12.5	13.2
L185, L235, L245, L275, L295, L305, L345, L355 SS			
CRANKCASE, including filter			
L185	CF ¹	3.8	4.0
L235, L245, L275, L295, L305	CF ¹	6.1	6.4
L345, L355 SS	CF ¹	9.1	9.6
Above 77° F (25° C), 30			
Above 23° F (-5° C), 15W-40			
32° to 77° F (0° to 25° C), 20			
Below 32° F (0° C), 10			
All temperatures, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
L185, L245	HTF	21.0	23.0
L185 DT, L245 DT	HTF	22.7	24.0
L235 & DT, L275 & DT	HTF	24.0	25.4
L295	HTF	26.0	27.5
L295 DT	HTF	27.0	28.5
L305, L345	HTF	30.0	31.7
L305 DT, L345 DT	HTF	31.0	32.8
L355 SS	HTF	32.0	33.8
FRONT DIFFERENTIAL			
L185 DT, L245 DT	GL-5	2.2	2.3
L235 DT	GL-5	2.3	2.4
L275 DT	GL-5	2.6	2.7
L295 DT	GL-5	4.0	4.2
L305 DT, L345 DT, L355 SS	GL-5	5.0	5.3
POWER STEERING			
	AF or HOA	1.5	1.6
FRONT FINAL DRIVES (each)			
L185 DT, L245	GL-5	0.8	0.8
L235 DT, L275 DT	GL-5	0.3	0.3
L295 DT	GL-5	1.5	1.6
L305 DT, L345 DT, L355 SS	GL-5	0.7	0.7
L2050, L2250, L2550, L2800, L2850, L3250, L3400			
ENGINE			
L2050	CF ¹	6.0	6.3
L2250, L2550	CF ¹	5.0	5.3
L2800, L3400	CF ¹	5.7	6.0
L2850, L3250	CF ¹	8.5	8.9
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
Standard Transmission	HTF	28.5	30.0
Glide Shift Transmission ex. L2500	HTF	27.0	28.5
L2800	HTF	27.0	28.5
L3400	HTF	26.0	24.5
FRONT AXLE			
L2250, L2500	HTF 80 or 90 GL-5	6.0	6.3
L2550, L2850, L3250	HTF 80 or 90 GL-5	6.5	6.8
STEERING GEARBOX			
	HTF 80 or 90 GL-5	—	—
WHEEL BEARINGS & GREASE FITTINGS			
	LM	—	—
L2350			
ENGINE			
	CF ¹	6.0	6.3
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
	HTF	28.0	29.6
FRONT DIFFERENTIAL			
	.80 or 90 GL-5	6.0	6.3
STEERING GEARBOX			
	.80 or 90 GL-5	—	—
WHEEL BEARINGS & GREASE FITTINGS			
	LM	—	—

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
KUBOTA (continued)				KUBOTA (continued)			
L2600, L3000				FRONT AXLE .....HTF			
ENGINE	CF ²	5.5	5.8	L3560, L4060		6.5	6.9
TRANSMISSION CASE		28.0	99.6	L4760, L5060, L5460, L6060		8.5	9.0
FRONT AXLE CASE	HTF, 80 or 90 GL-5	6.0	6.3	L4350, L4850, L5450			
STEERING GEARBOX	HTF, 80 or 90 GL-5	0.2	0.2	ENGINE			
WHEEL BEARINGS, FITTINGS	LM	—	—	L4350	CF	6.5	7.4
L2650, L2950, L3450, L3650				L4850, L5450	CF	8.0	8.5
ENGINE				Above 77°F (25°C), 30			
L2650, 2950	CF	5.7	6.0	32° to 77°F (0° to 25°C), 20W-20			
L3450, L3650	CF	8.5	8.9	Below 32°F (0°C), 10			
Above 77°F (25°C), 30				All temperatures, 10W-30			
32° to 77°F (0° to 25°C), 20W-20				TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
Below 32°F (0°C), 10				All models			
All temperatures, 10W-30				.....HTF			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				FRONT DIFFERENTIAL			
3650GST	HTF	27.0	28.4	L4350	.80 or 90 GL-5, HTF	5.5	5.8
All other models	HTF	29.5	31.2	L4850, L5450	.80 or 90 GL-5, HTF	6.3	6.6
FRONT DIFFERENTIAL	.80 or 90 GL-5, HTF	6.5	6.8	Bevel Gear Cases (each)	.80 or 90 GL-5, HTF	2.7	2.9
GREASE FITTINGS	LM EP	—	—	GREASE FITTINGS .....LM EP			
L2900, L3300, L3600, L4200				L4600			
ENGINE				CRANKCASE, including filter .....CI-4/CH-4 CG-4/CF-4			
L2900, L3300	CF ²	3.5	3.7	Above 77°F (25°C) 30, 10W-30, 15W-40			
L3600, L4200	CF ²	6.0	6.3	32° TO 77° F (0° TO 25° C), 20, 10W-30, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM	HTF	39.0	41.2	Below 32° F (0° C) 10W, 10W-30, 15W-40			
FRONT AXLE	HTF	5.5	5.8	TRANSMISSION	HTF	40.0	42.3
FRONT WHEEL BEARINGS (2WD)	GC	—	—	FRONT AXLE	HTF	6.5	6.9
GREASE FITTINGS	LM	—	—	M-110, M-120			
L3010, L3410, L3710, L4310, L4610				ENGINE			
ENGINE				All temperatures, 10W-30, 10W-40			
L3010, L3410	CF	5.5	5.3	32° to 77°F (0 to 25°C), 30			
L3710, L4310, L4610	CF	7.6	8.0	Below 32°F (0°C), 10			
Above 77°F (25°C), 30				TRANSMISSION			
32° to 77°F (0° to 25°C), 20W-20				M-110			
Below 32°F (0°C), 10				.....HTF			
All temperatures, 10W-30, 10W-40				M-120			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				.....HTF			
FRONT AXLE CASE, L4610	HTF	7.5	7.9	FRONT AXLE GEAR CASE OIL			
Others	HTF	5.5	5.8	M-110 4WD			
L3200, L3800				.....HTF			
CRANKCASE, including filter .....CI-4/CH-4, CG-4/CF-4				M-120 4WD			
L3200		5.7	6.0	FRONT DIFFERENTIAL CASE OIL			
L3800		7.1	7.5	M-110 4WD			
Above 77°F (25°C) 30, 10W-30, 15W-40				.....HTF			
14° TO 77° F (-10° TO 25° C), 20, 10W-30, 15W-40				M-120 4WD			
Below 14° F (-10° C), 10W-30				.....HTF			
TRANSMISSION				M4030, M5030, M6030, M7030, M8030			
Manual Trans. 2WD				ENGINE			
Manual Trans. 4WD				M4030, M5030			
HST				.....CF			
FRONT AXLE				M6030:			
All Models				2WD			
.....HTF				.....CF			
4.5				4.8			
L3301, L3901				M7030, M8030			
CRANKCASE, including filter .....CJ-4				.....CF			
All Models				14.7			
Above 77°F (25°C) 30, 10W-30, 15W-40				15.6			
14° TO 77° F (-10° TO 25° C), 20, 10W-30, 15W-40				M6030:			
Below 14° F (-10° C) 10W-30				2WD			
TRANSMISSION				.....CF			
Manual Transmission 2WD				4WD			
Manual Transmission 4WD				.....CF			
HST 4WD				11.5			
FRONT AXLE				12.2			
4WD				13.2			
.....HTF				13.9			
4.5				4.8			
L3350, L3750, L4150				Above 77°F (25°C), 30			
ENGINE	CF ¹	6.0	6.3	Above 23°F (-5°C), 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM	HTF	43.0	45.5	Above -10°F (-23°C), 10W-30			
FRONT DIFFERENTIAL	.80 or 90 GL-5	3.0	6.3	32° to 77°F (0° to 25°C), 20			
BEVEL GEAR HOUSINGS (each)				-10° to 32°F (-23° to 0°C), 10			
L3350, L3750	.80 or 90 GL-5	2.7	2.9	Below -10°F (-23°C), 5W, 5W-20			
L4150	.80 or 90 GL-5	3.1	3.3	TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
POWER STEERING	HTF	1.5	1.6	M4030, M5030, M6030			
WHEEL BEARINGS & GREASE FITTINGS	LM	—	—	.....HTF			
L3560, L4060, L4760, L5060, L5460, L6060				M7030, M8030			
CRANKCASE, INCLUDING FILTER	CJ-4	6.7	7.1	.....HTF			
L3560		6.7	7.1	50.0			
L4060, L4760		8.2	8.7	FRONT DIFFERENTIAL			
L5060, L5460, L6060		9.4	9.9	M4030, M5030, M6030			
Above 77°F (25°C) 30, 10W-30, 15W-40				.....80 or 90 GL-5			
14° TO 77° F (-10° TO 25° C), 20, 10W-30, 15W-40				5.0			
Below 14° F (-10° C) 10W, 10W-30				5.3			
TRANSMISSION				8.0			
L3560				8.5			
L4060, L4760				3.0			
L5060, L5460, L6060				3.2			
.....HTF				LM			
2.0				—			
44.4				M4700, M5400, M6800, M8200, M8200DTN-B, M9000			
45.4				ENGINE			
47.6				M4700, M5400			
				.....CF			
				M6800, M8200, M9000, M8200DTN-B			
				.....CF			
				10.7			
				11.3			
				TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
				M4700, M5400, M6800			
				.....HTF			
				40.0			
				42.3			
				M8200DTN-B			
				.....HTF			
				33.0			
				34.9			
				M8200, M9000			
				.....HTF			
				52.0			
				54.9			
				FRONT DIFFERENTIAL CASE			
				M4700, M5400			
				.....HTF			
				8.0			
				8.5			
				M6800, M8200			
				.....HTF			
				5.0			
				5.3			
				M9000			
				.....HTF			
				6.0			
				6.3			
				FRONT AXLE GEAR CASE OIL			
				M6800, M8200, M9000			
				.....HTF			
				3.5			
				3.7			
				M8200DTN-B			
				.....HTF			
				6.0			
				6.3			
				M4950, M5950, M6950, M7950, M8950			
				ENGINE			
				M4950			
				.....CF ²			
				13.7			
				14.5			
				M5950			
				.....CF ²			
				9.8			
				10.4			

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
KUBOTA (continued)				MAHINDRA (continued)			
M6950, M7950	CF ²	13.2	13.9	FRONT AXLE:			
M8950	CF ²	15.5	16.4	1815	GL-4 85W-140	4.0	4.2
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				2415	GL-4 85W-140	4.0	4.2
M4950, M5950	HTF	53.0	56.0	2015, 2615, 2815, 3015, 3215			
M6950, M7950	HTF	60.0	63.4	CRANKCASE, including filter:			
M8950	HTF	56.0	59.2	2015	CD	4.24	4.40
FRONT DIFFERENTIAL				2615	CD	4.24	4.40
M4950, M5950	80W-90 GL-5	6.0	6.3	2815	CD	4.72	4.90
M6950, M7950, M8950	80W-90 GL-5	8.0	8.5	3015	CD	4.82	5.00
BEVEL GEAR HOUSINGS (each)				3215	CD	4.72	4.90
M4950, M5950	80W-90 GL-5	0.6	0.6	-4 to 32°F (-20 to 0°C), 10W-30, 15W-40, 10W			
M6950, M7950, M8950	80W-90 GL-5	0.7	0.7	14 to 50°F (-10 to 10°C), 10W-30, 15W-40, 20W			
FRONT HUBS (each)				32 to 68°F (0 to 20°C), 10W-30, 15W-40, 20			
M4950, M5950	80W-90 GL-5	2.5	2.6	50 to 86°F (10 to 30°C), 10W-30, 15W-40, 20			
M6950, M7950, M8950	80W-90 GL-5	3.5	3.7	TRANSMISSION & HYDRAULIC SYSTEM			
POWER STEERING				2015: HST	HTF	18.31	19.0
BRAKE RESERVOIR				Gear	HTF	19.37	20.1
WHEEL BEARINGS & GREASE FITTINGS				2615: HST	HTF	22.35	23.2
				Gear	HTF	24.47	25.4
				2815	HTF	30.54	31.7
				3015	HTF	22.35	23.2
				3215: HST	HTF	31.51	32.7
				Gear	HTF	30.54	31.7
M5700 Narrow, M8200 Narrow				FRONT AXLE:			
ENGINE²				2015	85W-140	3.76	3.90
M5700	CF ²	8.0	8.5	2615	85W-140	4.05	4.20
M8200	CF	10.7	11.3	2815	85W-140	4.05	4.20
TRANSMISSION CASE				3015	85W-140	4.05	4.20
M5700	HTF	36.0	38.0	3215	85W-140	4.05	4.20
M8200	HTF	33.0	34.9	3325, 3525			
FRONT AXLE CASE				CRANKCASE, including filter:			
Fittings				3325	CF-4	6.06	6.4
				3525	CF-4	6.06	6.4
				-15°C to 50°C, 15W-40			
				-40°C to 30°C, 0W-30			
				-30°C to 30°C, 5W-30			
				10°C to 50°C, 40			
				0°C to 45°C, 30			
				-20°C to 40°C, 10W-40			
				TRANSMISSION:			
				3325	GL-4	21.01	22.2
				3525	GL-4	26.01	27.5
				-20°C to 40°C, 90EP			
				HYDRAULIC SYSTEM:			
				3325	HY	11.51	12.2
				3525	HY	11.51	12.2
				Oil must meet VG 100 and -220F maximum pour point or VG 68 and -400F maximum pour point.			
M7580, M8580, M9580				MAHINDRA 3510, 4110, 4510, 7010			
ENGINE				CRANKCASE including filter:			
M7580, M8580	CF ²	16.3	17.2	3510	CD/CE	5.5	5.8
Above 77°F (25°C), 30				4110	CD/CE	7.0	7.4
Above 23°F (-5°C), 15W-40				4510	CD/CE	7.0	7.4
Above -10°F (-23°C), 10W-30				7010	CD/CE	9.0	9.5
32° to 77°F (0° to 25°C), 20				Above 77°F (25°C) SAE 30, 10W-30			
-10° to 32°F (-23° to 0°C), 10				32 to 77°F (0 to 25°C) SAE 20, 10W-30			
Below -10°F (-23°C), 5W				Below 32°F (0°C) SAW 10W, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				TRANSMISSION and HYDRAULIC SYSTEM			
M7580, M8580	HTF	50.0	52.8	3510	HTF	35.1	37.0
M9580	HTF	56.0	59.2	4110	HTF	37.0	39.0
FRONT DIFFERENTIAL				4510	HTF	34.1	36.0
FRONT HUBS (each)				7010	HTF	42.0	44.4
BRAKE RESERVOIR				FRONT AXLE:			
WHEEL BEARINGS & GREASE FITTINGS				3510	.80 90 GL-4	9.0	9.5
				4110	.80 90 GL-4	9.3	9.8
				4510	.80 90 GL-4	9.3	9.8
				7010	.80 90 GL-4	16.5	17.4
				4500, 5500, 6000, 6500			
				CRANKCASE, including filter:			
				4500	CF-4	7.95	8.40
				5500	CF-4	8.89	9.40
				6000	CF-4	8.89	9.40
				6500	CF-4	8.89	9.40
				-15°C to 50°C, 15W-40			
				-40°C to 30°C, 0W-30			
				-30°C to 30°C, 5W-30			
				-20°C to 40°C, 10W-40			
				TRANSMISSION:			
				4500	GL-4	29.14	30.8
				5500: 2WD	GL-4	29.14	30.8
				4WD	GL-4	23.84	25.2
				6000: 2WD	GL-4	29.14	30.8
				4WD	GL-4	23.84	25.2
				6500: 2WD	GL-4	29.14	30.8
				4WD	GL-4	23.85	25.2
				0° to 50°C, 90EP			
				-20° to 50°C, 80W-90EP			
				-40° to 30°C, 75W-90EP			
				HYDRAULIC SYSTEM:			
				4500	HY	14.01	14.8
				5500	HY	14.01	14.8
				6000	HY	14.01	14.8
				6500	HY	14.01	14.8
MAHINDRA							
MAHINDRA 1815, 2415							
CRANKCASE, including filter:							
1815	CD	3.2	3.4				
2415	CD	4.2	4.4				
-4-32° F (-20 - 0° C)				10W-30, 15W-40, 10W			
14-50° F (-10-10° C)				10W-30, 15W-40, 20W			
32-68° F (0-20° C)				10W-30, 15W-40, 20			
50-86° F (10-30° C)				10W-30, 15W-40, 20			
TRANSMISSION and HYDRAULIC SYSTEM							
1815	HTF	16.0	16.9				
2415	NS	NS	NS				

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
MAHINDRA (continued)				MAHINDRA (continued)			
6500	.HY	14.01	14.8	FRONT AXLE:	GL-5		
Oil must meet VG 10 or d -22°F maximum pour point or VG 68 and -40°F maximum pour point.				7060		6.8	7.2
FRONT AXLE:				-40 ° to 88 ° F, 75W-90EP			
5500	.80W-90EP GL-4	5.72	6.04	-22 ° to 88 ° F, 75W-90EP			
6000	.80W-90EP GL-4	5.72	6.04	-4 ° to 122 ° F, 80W-140EP			
6500	.80W-90EP GL-4	5.72	6.04	-4 ° to 104 ° F, 80W-90EP			
				50 ° to 122 ° F, 80W-140EP			
4530				8560			
CRANKCASE, including filter:				CRANKCASE including filter:			
4530	.CF-4	7.57	8.00	8560	.CI-4	9.0	9.5
-15°C to 50°C, 15W-40				-40 ° to 88 ° F, 0W-30			
-40°C to 30°C, 0W-30				-22 ° to 88 ° F, 5W-30			
-30°C to 30°C, 5W-30				-4 ° to 122 ° F, 10W-40, 15W-40			
-20°C to 40°C, 10W-40				32 ° to 104 ° F, 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM				TRANSMISSION, REAR AXLE, AND HYDRAULIC SYTEM:			
4530	.TU	40.12	42.4	8564WD Cabin	GL-4	34.4	36.4
20°C to 40°C, 9CEP				8560 2WD/4WD WITHOUT CABIN		32.5	34.4
FRONT AXLE:				-40 ° to 88 ° F, 75W			
4530	.GL-5	13.63	14.4	-22 ° to 88 ° F, 75W			
-40 ° to +88°F, 75W-90				-4 ° to 122 ° F, 80W			
-4 ° to 104°F, 80W-90EP, preferred				-4 ° to 104 ° F, 80W			
-4 ° to +122°F, 8CW-140				50 ° to 122 ° F, 80W			
MAHINDRA 5010 Gear OS, 5010 HST				FRONT AXLE:			
CRANKCASE, including filter				GL-5			
All Models	.CD/CE	7.7	8.1	8560		6.8	7.2
Above 77° F (25° C), 30, 10W-30				-40 ° to 88 ° F, 75W-90EP			
32° to 77° F (0° to 25° C), 20, 10W-30				-22 ° to 88 ° F, 75W-90EP			
Below 32° F (0° C), 10W, 10W-30				-4 ° to 122 ° F, 80W-140EP			
TRANSMISSION CASE				FRONT AXLE:			
	.HTF	35.0	37.0	8560	GL-5	6.8	7.2
FRONT AXLE & F NAL DRIVE CASE				8560			
	.GL-4 80, 90	10.0	10.6	-40 ° to 88 ° F, 75W-90EP			
				-22 ° to 88 ° F, 75W-90EP			
				-4 ° to 122 ° F, 80W-140EP			
				-4 ° to 104 ° F, 80W-90EP			
				50 ° to 122 ° F, 80W-140EP			
5520, 6520, 7520				MAX 22/25			
CRANKCASE, including filter:				CRANKCASE including filter:			
All	.CF-4	8.90	9.40	-14 ° F (-25 ° C), 5W, 5W-20	.CF	4.2	4.4
-15°C to 50°C, 5W-40				-4 ° to 32 ° F (-20 ° to 0 ° C), 10W, 10W-30, 15W-40			
-40°C to 30°C, 0W-30				14 ° to 50 ° F (-10 ° to 10 ° C), 20W, 10W-30, 15W-40			
-30°C to 30°C, 5W-30				32 ° to 68 ° F (0 ° to 20 ° C), 20, 10W-30, 15W-40			
-20°C to 40°C, 0W-40				50 ° to 86 ° F (10 ° to 30 ° C), 30, 10W-30, 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM:				86 ° F (30 ° C), 40, 20W-40			
All	.TU	28.13	29.72	TRANSMISSION, HYDROSTATIC DRIVE:			
FRONT AXLE:				GL-4*			
All	.GL-5	5.72	6.34	* Recommended products: Mahindra Universal Tractor Fluid			
-40 ° to +88°F, 75W-90				Exxon Torque fluid 56			
-4 ° to 104°F, 80W-90EP, preferred				Shell Donax TD			
-4 ° to +122°F, 83W-140				FRONT AXLE:			
5525, 6025				GL-4*			
CRANKCASE, including filter:				* Recommended products: Mahindra Universal Tractor Fluid			
5525	.CF-4	8.50	9.00	Exxon Torque fluid 56			
6025	.CF-4	8.50	9.00	Shell Donax TD			
-15°C to 50°C, 15W-40				MAX 28XL			
-40°C to 30°C, 3W-30				CRANKCASE including filter:			
-30°C to 30°C, 5W-30				CF			
10°C to 50°C, 40				-14 ° F (-25 ° C), 5W, 5W-20			
0°C to 45°C, 30				-4 ° to 32 ° F (-20 ° to 0 ° C), 10W, 10W-30, 15W-40			
-20°C to 40°C, 10W-40				14 ° to 50 ° F (-10 ° to 10 ° C), 20W, 10W-30, 15W-40			
TRANSMISSION, POWER STEERING & HYDRAULIC SYSTEM				32 ° to 68 ° F (0 ° to 20 ° C), 20, 10W-30, 15W-40			
5525	.TU	35.05	37.0	50 ° to 86 ° F (10 ° to 30 ° C), 30, 10W-30, 15W-40			
6025	.TU	35.05	37.0	86 ° F (30 ° C), 40, 20W-40			
-4 ° to 50°C, Universal Tractor Oil				TRANSMISSION:			
				GL-4*			
				Gear Drive			
				21.5			
				23.0			
				Hydrostatic drive:			
				22.5			
				24.0			
				* Recommended products:			
				Mahindra Universal Tractor Fluid			
				Exxon Torque fluid 56			
				Shell Donax TD			
				FRONT AXLE:			
				GL-4*			
				* Recommended products:			
				Mahindra Universal Tractor Fluid			
				Exxon Torque fluid 56			
				Shell Donax TD			
				FRONT AXLE:			
				GL-4*			
				* Recommended products:			
				Mahindra Universal Tractor Fluid			
				Exxon Torque fluid 56			
				Shell Donax TD			
				MASSEY FERGUSON			
				231, 240, 250, 253 (Prior to Serial No. B27001)			
				ENGINE			
				CG-4/SH			
				Above 64°F (18°C), 30			
				Above 25°F (-4°C), 15W-40, 20W-50			
				25 ° to 81°F (-4 ° to 27°C), 20, 10W-40, 15W-30			
				Below 81°F (27°C), 10W-30			
				Below 41°F (5°C), 10			
				TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
				231			
				.HTF			
				32.0			
				250			
				.HTF			
				41.6			
				44.0			
				253			
				.HTF			
				47.4			
				50.0			
				POWER STEERING RESERVOIR			
				231, 253			
				.HTF			
				0.5			
				0.5			
				240, 250			
				.HTF			
				0.9			
				1.0			
				STEERING GEARBOX			
				90 GL-5, HTF			
				-			
				-			
				WHEEL BEARINGS & GREASE FITTINGS			
				LM EP			
				-			
				-			

FARM TRACTORS

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
231S, 240, 240S, 241, 243, 253, 263 (Serial No. B27001 & up)			
ENGINE			
240	.CG-4/SH	5.7	6.0
Others	.CG-4/SH	6.8	7.2
256XE	.CG-4/SH	6.0	6.3
Above 64°F (18°C), 30, 20W-40			
Above 25°F (-4°C), 15W-40, 20W-30, 20W-50			
25° to 81°F (-4° to 27°C), 20, 15W-30, 10W-40			
Below 81°F (27°C), 10W-30			
Below 41°F (5°C), 10, 10W-20			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
240	.HTF	31.0	32.8
231S, 240S, 241	.HTF	35.0	37.0
Others	.HTF	47.4	50.0
FRONT DIFFERENTIAL			
FRONT HUBS (each)			
POWER STEERING RESERVOIR			
WHEEL BEARINGS (2WD) & GREASE FITTINGS			
STEERING BOX			
As equipped			
MF-261, -270, -290, -298			
ENGINE 261			
Above 64°F (18°C), 30			
Above 25°F (-4°C), 20W-50			
Above 14°F (-10°C), 15 W-40			
25° to 81°F (-4° to 27°C), 20, 10W-40			
Below 81°F (27°C), 10W-30			
Below 40°F (4°C), 10			
ENGINE 270, 290			
298			
Above 80°F (27°C), 30			
Above 30°F (-1°C), 20W-40, 20W-50			
30° to 80°F (-1° to 27°C), 20W-20			
Above 14°F (-10°C), 15W-40			
Above 0°F (-18°C), 10W-30			
0°F to 30°F (18°C to -1°C), 10*, 5W-20*			
*When using 10 or 5W-20, check oil level more frequently. Under continuous heavy load conditions, where cold starting is not a problem, use heavier grade oil.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
261	.HTF	47.0	49.7
270, 290	.HTF	41.6	44.0
298	.HTF	39.2	41.2
REAR AXLE PLANETARIES (each):			
261	.HTF	1.8	1.9
270, 290	.HTF	1.4	1.5
298	.HTF	2.8	3.0
POWER STEERING RESERVOIR:			
261	.HTF	1.3	1.3
270, 290, 298	.HTF	1.1	1.2
WHEEL BEARINGS & GREASE FITTINGS			
MF-283			
ENGINE, including filter			
Above 80°F (27°C), 30			
30° to 80°F (-1° to 27°C), 20			
Below 30°F (-1°C), 10			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
REAR AXLE PLANETARIES (each)			
POWER STEERING RESERVOIR			
WHEEL BEARINGS & GREASE FITTINGS			
MF-340, MF-350, MF-355, MF-360, MF-362, MF-365, MF-375, MF-383*, MF-390, MF-390T, MF-393, MF-395, MF-396, MF-398, MF-399			
ENGINE			
340, 350	.CF, TU	5.7	6.0
355, 360	.CF, TU	6.8	7.2
362, 365, 375, 383, 390	.CF, TU	7.5	7.9
390T, 393, 395, 398	.CF, TU	7.7	8.1
396	.CF, TU	14.3	15.2
399: July 1986 & before	.CF, TU	15.4	16.3
August 1986 & later	.CF, TU	14.3	15.2
Prior to Serial No. S01001:			
Above 80°F (27°C), 30			
Above 30°F (-1°C), 20W-40, 20W-50			
30° to 80°F (-1° to 27°C), 20W-20			
Above 14°F (-10°C), 15W-40			
Above 0°F (-18°C), 10W-30:			
0° to 30°F (-18° to -1°C), 10*, 5W-20*			
Serial No. S01001 and up:			
Above 64°F (18°C), 30			
Above 25°F (-4°C), 15W-40, 20W-50			
25° to 80°F (-4° to 27°C), 20, 15W-30, 10W-40			
Below 80°F (27°C), 10W-30			
Below 41°F (5°C), 10			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
399	.HTF	47.4	50.1
Other models	.HTF	43.4	45.9
w/4WD or creeper gear	.HTF	47.4	50.1
REAR FINAL DRIVES (each) 390, 398, 399			
.HTF			
2.9			
3.1			

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
FRONT DIFFERENTIAL			
Prior to Serial No. S01001: 350, 355, 360			
365, 375, 383, 390, 395			
398, 399			
Serial No. S01001 and up: (ex. AG Differential)			
340, 350, 355, 360, 362			
365, 375, 383, 390, 390T, 393, 396			
398, 399			
AG Differential (Later CAB models) 375, 383, 390,			
390T, 393, 396			
399			
FRONT HUBS (each)			
Prior to Serial No. S01001:			
350, 355, 360, 365, 375			
383, 390, 395, 398, 399			
Serial No. S01001 & up:			
340, 350, 355, 360, 362, 365, 375, 383, 390, 390T, 393, 396			
398, 399			
POWER STEERING PUMP			
340, 350, 355, 360			
362, 365, 375, 383, 390, 390T, 398			
May use AF3 in cold climates.			
MASTER CYLINDER			
.SL048			
WHEEL BEARINGS (2WD) & GREASE FITTINGS			
.LM EP			
354GE-S-F, 364GE-S-F, 374GE-S-F-A, 384GE-S-F-A, 394GE-S-F-A SPECIAL Series TRACTORS			
ENGINE			
354, 364			
374, 384, 394			
Above 81°F (27°C), 30			
32° to 81°F (0° to 27°C), 20			
Below 32°F (0°C), 10			
All temperatures, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
.HTF*			
* Use Spec. M1135.			
FINAL DRIVES (each)			
.80W-90 GL-5			
FRONT DIFFERENTIAL			
.HTF*			
* Use Spec. M1135.			
FRONT HUBS (each)			
.80W-90 GL-5			
POWER STEERING RESERVOIR			
.AF3			
BRAKE RESERVOIR			
.SL048			
WHEEL BEARINGS & GREASE FITTINGS			
.LM			
MF-354 (S,F,V), 364 (S,F,V), 374 (S,F,V), 384 (S,F,V), 394 (S,F,V) ex. Special Series			
354			
364			
374, 384, 394			
Above 80°F (27°C), 30			
32° to 80°F (0° to 27°C), 20W-20			
Below 0°F (-18°C), 10			
All temperatures, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
.HTF*			
* Use Spec. M1135.			
REAR AXLE PLANETARIES (each) 354, 364			
374, 384, 394			
FRONT DIFFERENTIAL			
354 S, F; 364 S, F; 374 S, F; 384 S, F; 394 S, F			
354 V, 364 V, 374 V			
FRONT HUBS (each)			
354 S, F; 364 S, F; 374 S, F; 384 S, F; 394 S, F			
354 V, 364 V, 374 V			
POWER STEERING RESERVOIR			
.AF3			
MASTER CYLINDER			
.HB*			
* Part No. 3405389 MI.			
WHEEL BEARINGS & GREASE FITTINGS			
.LM EP			
384H, 394H High Clearance			
ENGINE			
.CF-4, TU			
Above 81°F (27°C), 30			
32° to 81°F (0° to 27°C), 20			
Below 32°F (0°C), 10			
All temperatures, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
.HTF*			
* Use Spec. M1135.			
FINAL DRIVES (each)			
.80W-90 GL-5			
FRONT DIFFERENTIAL			
.80W-90 GL-5			
FRONT HUBS (each)			
.80W-90 GL-5			
POWER STEERING RESERVOIR			
.AF3			
STEERING GEARBOX			
.HTF*			
* Use Spec. M1135.			
GREASE FITTINGS			
.LM			

FARM TRACTORS

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
Massey Ferguson 533, 543, 563			
CRANKCASE, including filter			
533	CD/CC	6.8	7.0
543	CD/CC	6.8	7.0
563	CD/CC	6.8	7.0
Below 41°F (5°C), 10W, 10W-20, 10W-30			
25° to 81°F (-4° to 27°C), 10W-30, 20W, 15W-30, 20W-30, 10W-40, 15W-40, 20W-50			
Above 64°F (18°C), 15W-40, 20W-30, 20W-40, 20W-50, 30W			
TRANSMISSION and HYDRAULIC SYSTEM			
w/o creep gearbox:			
533	HTF	35.0	9.2 gal
543	HTF	35.0	9.2 gal
563	HTF	35.0	9.2 gal
w/ creep gearbox:			
533	HTF	37.0	9.7 gal
543	HTF	37.0	9.7 gal
563	HTF	37.0	9.7 gal
FRONT AXLE			
Axle	HTF	3.75	4.0
Hubs (each)	HTF	0.2	0.25
MF573, MF583, MF593, MF596			
CRANKCASE, including filter			
Below 41°F (5°C), 10W-30			
25° to 81°F (-4° to 27°C), 10W-30, 15W-40			
Above 64°F (18°C), 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM:			
MF573, MF583	HTF	42.0	44.4
MF593, MF596	HTF	45.0	47.6
REAR AXLE PLANETARY (each):			
MF573, MF583	.90 GL-5	2.0	1.6
MF593, MF596	.90 GL-5	3.0	2.7
FRONT AXLE:			
MF573, MF583	.90 GL-5	5.5	5.8
MF593, MF596	.90 GL-5	4.5	4.8
FRONT AXLE PLANETARY (each):			
MF573, MF583	.NA	0.7	0.74
MF593, MF596	.NA	1.0	1.01
MF 1010 & Hydro, MF 1020 & Hydro, MF 1030, MF 1035, MF 1040, MF 1045, GC2300, GC2310			
CRANKCASE, including filter			
1010	CF	2.5	2.6
1010 Hydro	CF	3.0	3.2
1020, 1030, 1035	CF	3.5	3.7
1040	CF	5.5	5.8
1045	CF	5.0	5.3
GC2300, GC2310	CF	2.7	2.9
Above 40°F (4°C), 30			
Above 14°F (-20°C), 15W-40			
All temperatures, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
1010	HTF	17.0	18.0
1020	HTF	23.0	24.3
1020 Hydro	HTF	26.0	27.5
1030, 1035	HTF	28.0	29.6
1040	HTF	40.0	41.6
1045	HTF	44.0	46.5
TRANSMISSION:			
GC2300, GC2310	HTF	11.0	11.6
4WD:			
GC2300	HTF	4.0	4.2
FRONT DIFFERENTIAL:			
1010, 1020	HTF	1.5	1.6
1030, 1035	HTF	2.0	2.1
1040	HTF	2.9	3.1
1045	HTF	3.0	3.2
GC2300, GC2310	HTF	4.0	4.2
FRONT FINAL DRIVES (each):			
1010, 1020	HTF	0.4	0.4
1030, 1035	HTF	0.6	0.6
1040, 1045	HTF	1.8	1.9
MF-1080, -1085			
CRANKCASE, including filter			
Above 90°F (32°C), 30			
32° to 90°F (0° to 32°C), 20W-20			
0° to 32°F (-18° to 0°C), 10W-30, 5W-30*			
Below 0°F (-18°C), 5W-30*			
* When using 5W-30, check oil level more frequently. Under conditions heavy load conditions, where cold starting is no problem, use heavier grade oil.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
HTF	32.2	34.0	
PLANETARIES (each)			
HTF	2.8	3.0	
POWER STEERING			
HTF	2.8	3.0	

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
MF-1105, -1135, -1155			
CRANKCASE, including filter			
MF-1105, MF-1135	CF	16.1	17.0
MF-1155	CF	18.9	20.0
Above 90°F (32°C), 30			
32° to 90°F (0° to 32°C), 20W-20			
Below 32°F (0°C), 10*			
* When using 10, check oil level more frequently. Under conditions heavy load conditions, where cold starting is no problem, use heavier grade oil.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
HTF	64.4	68.0	
MF-1125, -1140, -1145, -1160, -1180, -1190			
ENGINE			
1125, 1140	CF	4.8	5.1
1145	CF	4.8	5.1
1160, 1180	CF	7.0	7.4
1190	CF	7.0	7.4
Above 77°F (25°C), 30			
Above 14°F (-10°C), 15W-40			
32° to 77°F (0° to 25°C), 20			
Below 32°F (0°C), 10			
All temperatures, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
1125	HTF	23.0	24.3
1140, 1145	HTF	25.0	26.4
1160	HTF	29.0	30.6
1180, 1190	HTF	32.0	33.8
FRONT AXLE			
1125, 1140, 1145	HTF ²	6.1	6.4
1160	HTF ²	6.5	6.9
1180, 1190	HTF	7.0	7.4
POWER STEERING			
Wheel Bearings & Grease Fittings	LM EP	—	—
1205, 1215, 1225, 1233			
ENGINE			
1233	CF-4	2.7	2.9
1205	CF-4	3.6	3.8
Above 78°F (25°C), 30			
Above 14°F (-10°C), 15W-40			
32° to 78°F (0° to 25°C), 20			
Below 32°F (0°C), 10			
All temperatures, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
1205 w/4WD Standard	HTF	13.5	14.3
w/4WD Hydrostatic	HTF	15.0	15.9
1215 w/4WD Standard	HTF	14.0	14.8
w/4WD Hydrostatic	HTF	15.0	15.9
w/2WD Standard	HTF	13.5	14.3
w/2WD Hydrostatic	HTF	14.6	15.4
1225, 1233	HTF	14.0	14.8
FRONT DIFFERENTIAL			
1233	HTF ²	2.7	2.9
Grease fittings	LM EP	4.5	4.7
MF-1210, -1220, -1230, -1240, -1250, -1260			
ENGINE			
1210, 1220	CF	3.1	3.3
1230	CF	4.1	4.2
1240, 1250	CF	4.8	5.1
1260	CF	4.8	5.1
Above 78°F (25°C), 30			
32° to 78°F (0° to 25°C), 20			
Above 14°F (-10°C), 15W-40			
Below 32°F (0°C), 10			
All temperatures, 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
1210, 1220 (Rear)	HTF	10.1	10.5
1230 (Rear)	HTF	12.1	12.7
1240	HTF ²	23.0	24.3
1250, 1260	HTF ²	25.0	26.4
FRONT REDUCTION CASE HOUSING:			
1210, 1220, 1230	HTF	1.0	1.1
FRONT DIFFERENTIAL			
1210, 1220	HTF ²	4.1	4.2
1230	HTF ²	4.5	4.7
1240, 1250, 1260	HTF ²	6.1	6.4
POWER STEERING			
1210, 1220, 1230	HTF	1.1	1.2
1240, 1250, 1260	HTF	2.5	2.6
WHEEL BEARINGS (2WD) & GREASE FITTINGS			
LM EP	—	—	—
1648, 1652, 1655, 1660			
CRANKCASE, including filter:			
1648	CC	7.9	8.3
1652, 1655	CC	9.0	9.5
1660	CC	8.0	8.5
Above 78°F (25°C), 30W, 10W-30			
32° to 78°F (0° to 25°C), 20W, 10W-30			
32°F (0°C), 10W, 10W-30			
Above 14°F (-10°C), Multiguard 15W-40			

FARM TRACTORS

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
TRANSMISSION:			
1648, 1652, 1655	HTF	38.0	40.0
1660	HTF	43.0	45.6
FRONT AXLE:			
1648, 1652, 1655	HTF	6.5	6.9
1660	HTF	8.5	9.0
1736, 1742, 1749, 1754, 1758, 1759			
CRANKCASE, including filter			
1736, 1742, 1749	CJ-4	6.3	6.7
1754, 1758, 1759		8.2	8.7
-31° TO 104° F (-35° TO 40° C) 5W-30			
-4° TO 104° F (-20° TO 40° C) 10W-30			
HYDRAULIC SYSTEM			
1736, 1742	HTF*	31.0	32.8
1749, 1754, 1758		38.0	40.2
1759		43.0	45.4
* AGCO Permatran III			
FRONT AXLE			
1736, 1742	HTF*	7.5	7.9
1749, 1754, 1758, 1759		8.5	9.0
* AGCO Permatran II			
2205, 2210, 2220			
ENGINE			
3 cylinder	CF	7.5	7.9
4 cylinder	CF	8.0	8.4
Above 64°F (18°C), 20W-40, 30			
Above 25°F (-4°C), 15W-40, 20W-30, 20W-50			
25° to 81°F (-4° to 27°C), 20, 15W-30, 10W-40			
Below 81°F (27°C), 10W-30			
Below 41°F (5°C), 10W-20, 10			
Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION & HYDRAULIC SYSTEM			
All	HTF	35.0	37.0
FINAL DRIVES (each)	GL-5	4.0	4.2
FRONT DIFFERENTIAL	HTF	3.5	3.7
FRONT HUBS (each)	HTF	1.5	1.6
BRAKE RESERVOIR	SL048	0.5	0.5
WHEEL BEARINGS & GREASE FITTINGS	LM EP	-	-
2605, 2615, 2625			
CRANKCASE, including filter:			
2605	CH-4	6.0	6.00
2615	CH-4	6.5	7.16
2625	CH-4	8.5	9.00
Below 41°F (5°C), 10W, 10W-20, 10W-30			
25° to 81°F (-4° to 27°C), 10W-30, 20W, 15W-30, 20W-30, 10W-40, 15W-40, 20W-50			
Above 64°F (18°C), 15W-40, 20W-30, 20W-40, 20W-50, 30			
TRANSMISSION:			
2605	HTF	28.0	28.8
2615	HTF	34.0	35.6
2625	HTF	38.0	40.0
Below 41°F (5°C), 10W-20, 10W-30			
25° to 81°F (-4° to 27°C), 10W-30, 15W-30, 20W-30, 10W-40, 15W-40, 20W-50			
Above 64°F (18°C), 15W-40, 20W-30, 20W-40, 20W-50			
FRONT DIFFERENTIAL:			
2605, 2615		5.5	5.80
2625		3.75	3.96
MF-2640, -3505, -3525, -3545			
ENGINE			
2640	CF	17.0	18.0
3505	CF	19.0	20.0
3525, 3545	CF	19.4	20.5
Above 80°F (27°C), 30			
Above 30°F (-1°C), 20W-40, 20W-50			
30° to 80°F (-1° to 27°C), 20W-20			
Above 14°F (-10°C), 15W-40			
Above 0°F (-18°C), 10W-30			
0° to 30°F (-18° to -1°C), 10 ¹ , 5W-20 ¹			
* When using 10 or 5W-20, check oil level more frequently. Under continuous heavy load conditions, where cold starting is no problem, use heavier, grade oil.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM, including filters:			
	HTF	85.0	90.0
FRONT DIFFERENTIAL	HTF	11.0	11.6
FRONT HUBS	HTF	3.3	3.5
WHEEL BEARINGS (2WD) & GREASE FITTINGS	LM EP	-	-
MF-2675, -2705, -2745, -2770, -2775, -2800, -2805			
ENGINE, including filter:			
2675	CF	17.0	18.0
2705	CF	18.0	19.0
2745	CF	21.0	22.0
2770, 2775	CF	22.7	24.0
2800, 2805	CF	22.7	24.0
Above 80°F (27°C), 30			
32°F to 90°F (0°C to 32°C), 20W-20			
Below 32°F (0°C), 10 ¹			
* When using 10, check oil level more frequently. Under continuous heavy load conditions, where cold starting is no problem, use heavier, grade oil.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
2675, 2705, 2745	HTF	113.5	120.0
2770, 2775, 2800, 2805	HTF	143.8	152.0

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
MF-3050, -3060, -3065S, -3065, -3070, -3075, -3080, -3085, -3090, -3095, -3120, -3120T, -3125, -3140			
ENGINE			
3050, 3060, 3070	CF	7.5	7.9
3080, 3090	CF	16.6	17.5
3065S, 3065, 3075	CF	7.0	7.4
3085, 3095, 3120, 3125, 3140	CF	14.8	15.6
Above 30°F (-1°C), 20W-40, 20W-50			
30° to 80°F (-1° to 27°C), 20W-20			
Above 14°F (-10°C), 15W-40			
Above 0°F (-18°C), 10W-30			
0° to 30°F (-18° to -1°C), 10 ¹ , 5W-20 ¹			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
3050, 3060, 3070, 3080, 3090	HTF	60.0	63.4
3065S, 3065, 3075, 3085, 3095	HTF	54.0	57.0
3120	HTF	56.0	59.2
3125, 3140	HTF	59.0	62.4
FRONT DIFFERENTIAL			
3050, 3060, 3065S, 3065, 3075, 3085, 3095	HTF	5.8	6.1
3070, 3080, 3090, 3120	HTF	6.5	6.9
3125, 3140	HTF	11.0	11.6
FRONT HUBS (each)			
3050, 3060, 3065S, 3065	HTF	1.4	1.5
3070, 3075, 3080, 3085, 3090, 3095, 3120, 3125, 3140	HTF	1.8	1.9
WHEEL BEARINGS & GREASE FITTINGS			
	LM EP	-	-
3315V, 3330V, 3340V, 3315S, 3330S, 3340S, 3340F, 3350F, 3355F, 3315GE, 3330GE, 3340GE, 3350GE, 3355GE, 3425, 3435, 3445, 3455, 4225, 4235, 4243, 4245, 4253, 4255, 4260, 4263, 4270, 4325, 4335, 4345, 4355, 4360, 4370			
ENGINE, including filter:			
4 cylinder	CH-4	6.5	6.9
6 cylinder	CH-4	13.5	14.3
Above 64°F (18°C), 20W-40, 30			
Above 25°F (-4°C), 15W-40, 20W-30, 20W-50			
25° to 81°F (-4° to 27°C), 20, 15W-30, 10W-40			
Below 81°F (27°C), 10W-30			
Below 41°F (5°C), 10, 10W-20			
Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION & HYDRAULIC SYSTEM			
	HTF	50.0	52.8
REAR PLANETARY HUBS (each)			
Heavy-duty only	HTF	2.9	3.0
FRONT DIFFERENTIAL			
Axle Models:			
AG-75, -85	HTF	5.6	5.9
AG-105	HTF	7.6	8.0
FRONT HUBS (each)			
Axle Models:			
AG-75, -85	HTF	1.0	1.1
AG-105	HTF	1.2	1.3
Brake System	SL048	-	-
THROTTLE & CONTROL LINKAGE	MO	-	-
WHEEL BEARINGS & GREASE FITTINGS	LM EP	-	-
MF-3630, -3635, -3645, -3650, -3655, -3660, -3670, -3680, -3690			
ENGINE			
3630, 3645, 3650, 3655, 3660	CF	19.0	20.1
(ex. Perkins 1006.6)	CF	16.5	17.6
3635, 3645, 3655, 3660 (w/Perkins 1006.6)	CF	16.5	17.6
3670, 3680, 3690	CF	21.0	22.2
Above 80°F (27°C), 30			
Above 30°F (-1°C), 20W-40, 20W-50			
30° to 80°F (-1° to 27°C), 20W-20			
Above 14°F (10°C), 15W-40			
Above 0°F (-18°C), 10W-30			
0° to 30°F (-18° to -1°C), 10 ¹ , 5W-20 ¹			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
3630, 3635, 3645, 3650, 3655, 3660	HTF	85.0	89.8
3680, 3670, 3690	HTF	75.0	79.3
FINAL DRIVES (each)	.85W-140 GL-5	5.0	5.3
FRONT DIFFERENTIAL	HTF	11.0	11.6
FRONT HUBS (each)	HTF	3.3	3.5
WHEEL BEARINGS & GREASE FITTINGS	LM EP	-	-
Massey Ferguson 4608, 4609, 4610			
CRANKCASE, including filter			
All Models	CJ-4	12.5	13.2
Above -31° F (Above -35° C) 5W-40			
-31 to 86° F (-35 to 30° C) 5W-30			
Above -13° F (Above -25° C) 10W-40			
-13 to 86° F (-25 to 30° C) 10W-30			
Above -4° F (Above -20° C) 15W-40			
5 to 86° F (-15 to 15° C) 20W-20			
Above 5° F (Above -15° C) 20W-40			
32 to 86° F (0 to 30° C) 30			
TRANSMISSION, HYDRAULIC SYSTEM, REAR AXLE:			
All Models	HTF	58.0	15.3

FARM TRACTORS

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
FRONT DRIVE AXLE			
4608	.HTF	8.0	8.5
4609, 4610	.HTF	10.0	10.6
MASSEY FERGUSON 5608, 5609, 5610			
CRANKCASE, including filter			
Above 14° F (Above -10° C), 15W-40	.CJ-4	18.5	19.5
-22 to 68° F (-30 to 20° C), 10W-40			
Below 68° F (Below 0° C), 5W-40			
TRANSMISSION/REAR AXLE			
Minimum	.HTF	65.0	68.7
Maximum	.HTF	75.0	79.2
FRONT DRIVE AXLE	.GL-5 80W-90	5.0	5.3
FRONT FINAL DRIVES			
All Models -Per Hub	.GL-5 80W-90	0.8	0.85
FRONT PTO	AUTRAN DX III/FLUID 9	1.9	2.0
5425, 5435, 5445, 5455, 5460, 5465, 5470, 5475, 5480 Dyna-4			
CRANKCASE, including filter:			
5425, 5435, 5445, 5455	.CH4	8.0	8.44
5460	.CH4	10.0	13.7
5465, 5475	.CH4	14.5	15.6
5470, 5480	.CH4	13.5	14.2
50° F (-10° C) and above, 15W-40			
68° to 86° F (20° to 30° C), 10W-30			
68° F (20° C) and below, 5W-30			
DRAIN PLUG TORQUE			
Tighten the drain plug(s) to 25 ft-lbs (35 Nm).			
TRANSMISSION, REAR AXLE:			
All models	.HTF	70.0	73.9
FRONT AXLE:			
All models	.80W-90 GL-5	9.0	9.52
FRONT FINAL DRIVE (each):			
5425, 5435, 5445, 5455	.80W-90 GL-5	0.5	0.63
5460	.80W-90 GL-5	0.7	0.84
5465, 5470, 5475, 5480	.80W-90 GL-5	0.3	0.38
5460SA, 5470SA, 5475SA ORCHARD			
CRANKCASE, including filter:			
5460SA	.CH-4	7.5	7.32
5470SA, 5475SA	.CH-4	NA	NA
-13° to 41° F (-25° to 5° C), 5W-30			
-4° to 77° F (-20° to 25° C), 10W-30			
14° to 104° F (-10° to 40° C), 15W-40			
23° to 113° F (-5° to 45° C), 20W-40			
TRANSMISSION, REAR AXLE:			
5460SA	.HTF	62.0	65.5
5470SA	.HTF	NA	NA
5475SA	.HTF	56.0	59.2
FRONT AXLE:			
5460SA	.80W-90 GL-5	5.5	5.80
5470SA, 5475SA	.80W-90 GL-5	9.0	9.52
FRONT FINAL DRIVE (each):			
5460SA	.80W-90 GL-5	0.9	0.96
5470SA, 5475SA	.80W-90 GL-5	0.8	0.84
MF-6110, -6120, -6130, -6140, -6150 -6160, -6170, 6180, -6190			
ENGINE			
6110, 6120, 6130, 6140, 6150	.CF	7.4	7.8
Others	.CF	14.8	15.6
Above 23° F (-5° C), 20W-40			
5° to 104° F (-15° to 40° C), 15W-40			
5° to 95° F (-15° to 35° C), 10W-40			
5° to 86° F (-15° to 30° C), 15W-30			
-4° to 77° F (-20° to 25° C), 10W-30			
Below 41° F (5° C), 5W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
6170, 6180, 6190	.HTF	68.0	72.0
Others	.HTF	62.0	65.6
10.8 quarts (10.0 liters) can be added during steep-slope operation.			
FRONT DIFFERENTIAL			
6150	.80W-90 GL-5	9.0	9.5
6190	.80W-90 GL-5	6.7	7.1
Others	.80W-90 GL-5	6.0	6.3
FRONT HUBS (each)			
6150, 6160	.80W-90 GL-5	1.2	1.3
6170, 6180, 6190	.80W-90 GL-5	2.0	2.1
Others	.80W-90 GL-5	1.0	1.0
GREASE FITTINGS			
Above 80° F (27° C), No. 3	.LM	-	-
45° to 80° F (7° to 27° C), No. 2			
Below 45° F (7° C), No. 1			
6235, 6245, 6255, 6260, 6265, 6270, 6280, 6290			
ENGINE:			
6235, 6245, 6255, 6265	.CF	7.0	7.4
Others	.CF	14.6	15.4
Above 23° F (-5° C), 20W-40			
14° to 104° F (-10° to 40° C), 15W-40			
14° to 95° F (-10° to 35° C), 10W-40			
14° to 86° F (-10° to 30° C), 15W-30			
-4° to 77° F (-20° to 25° C), 10W-30			
Below 41° F (5° C), 5W-30			

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
6270	.HTF*	75.0	79.3
6280, 6290	.HTF*	76.0	80.3
Others	.HTF*	72.0	76.1
* Use Spec. M1143 or equivalent.			
FRONT DIFFERENTIAL:			
6235, 6245	.80W-90 GL-5	5.8	6.1
6255, 6265, 6260	.80W-90 GL-5	6.8	7.2
6270, 6280	.80W-90 GL-5	7.0	7.4
6290	.80W-90 GL-5	10.2	10.8
FRONT HUBS (each):			
6235, 6245	.80W-90 GL-5	0.9	0.9
6255, 6265, 6260	.80W-90 GL-5	1.1	1.2
6270, 6280	.80W-90 GL-5	1.5	1.6
6290	.80W-90 GL-5	1.6	1.7
GREASE FITTINGS			
Above 80° F (27° C), No. 3	.LM EP	-	-
45° to 80° F (7° to 27° C), No. 2			
Below 45° F (7° C), No. 1			
MF6465, MF6475, MF6480, MF6485, MF6490, MF6495			
ENGINE, including filter			
6465, 6475, 6480	.CD, CE	14.5	15.3
6485, 6490, 6495	.CD, CE	19.0	20.1
Above 64° F (18° C), 30			
Above 25° F (-4° C), 15W-40, 20W-50			
25° to 81° F (-4° to 27° C), 20W, 10W-40, 15W-30			
Below 81° F (27° C), 10W-30			
Below 41° F (5° C), 5W-30			
TRANSMISSION			
6465, 6475, 6480	.HTF*	71.0	75.0
6485, 6490, 6495	.HTF*	109.0	115.2
* Massey Ferguson PERMATRAN			
FRONT AXLE			
Suspended 4WD		8.5	9.0
4WD Differential		6.0	6.3
6485, 6490, 6495, 6497, 6499			
CRANKCASE, including filter:			
All models	.CH-4	20.8	22.0
50° F (-10° C) and above, 15W-40			
68° to 86° F (20° to 30° C), 10W-30			
68° F (20° C) and below, 5W-30			
TRANSMISSION, REAR AXLE:			
All models	.HTF	122-142	128.8-150
FRONT AXLE:			
Fixed	.80W-90 GL-5	10-12	10.6-12.7
Suspended	.80W-90 GL-5	10-11	10.6-11.6
FRONT FINAL DRIVE (each):			
Fixed	.NA	1.9	2.00
Suspended	.NA	1.9	2.00
REAR FINAL DRIVE:			
6485, 6490, 6495, 6497	.NA	3.6	3.80
6499	.NA	4.5	4.76
8110, -8120, -8130, -8140, -8150, -8160			
ENGINE			
8110, 8120, 8130	.CF	15.6	16.0
Others	.CF	19.0	19.6
Above 23° F (-5° C), 20W-40			
5° to 104° F (-15° to 40° C), 15W-40			
5° to 95° F (-15° to 35° C), 10W-40			
5° to 86° F (-15° to 30° C), 15W-30			
-4° to 77° F (-20° to 25° C), 10W-30			
Below 41° F (5° C), 5W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
8110, 8120, 8130 w/sealed compartment, wet clutch	.HTF	90.2	93.0
w/o sealed compartment, wet clutch	.HTF	97.4	100.1
8140, 8150, 8160	.HTF	90.2	93.0
16.2 quarts (15.0 liters) can be added during steep slope operation.			
FINAL DRIVES (each) 8160			
Others	.80W-140 GL-5	4.5	4.8
Others	.80W-140 GL-5	3.4	3.6
FRONT DIFFERENTIAL			
8150, 8160	.80W-90 GL-5	11.7	12.4
Others	.80W-90 GL-5	10.9	11.6
FRONT HUBS (each)			
8150, 8160	.80W-90 GL-5	1.9	2.0
Others	.80W-90 GL-5	1.8	1.9
GREASE FITTINGS			
Above 80° F (27° C), No. 3	.LM	-	-
45° to 80° F (7° to 27° C), No. 2			
Below 45° F (7° C), No. 1			
8245, 8260, 8270, 8280			
ENGINE:			
8245, 8260	.CG-4	19.0	20.1
8270, 8280	.CG-4	21.0	22.2
Above 12° F (-11.0C), 15W-40 Preferred			
-24° to 68° F (-31° to 20° C), 10W-30			
Below 68° F (20° C), 5W-30			
Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
4 speed	.HTF	135.0	140.0
18 speed	.HTF	150.0	158.6

FARM TRACTORS

	Lubricant	Liters	Qt
MASSEY FERGUSON (continued)			
FINAL DRIVES (each):			
8245	.85W-140 GL-5	4.5	4.8
FRONT DIFFERENTIAL:			
8270, 8280	.80W-90 GL-5	10.0	10.6
Others	.80W-90 GL-5	11.7	12.4
FRONT HUBS (each):			
8245, 8260	.80W-90 GL-5	1.9	2.0
Others	.80W-90 GL-5	4.0	4.8
GREASE FITTINGS LM EP			
FAN BELT IDLER PULLEY HG			
One or two strokes only.			
8650, 8660, 8670, 8680, 8690			
CRANKCASE, including filter CD-4 21.0 13.7			
50°F (-10°C) and above, 15W-40			
68° to 86°F (20° to 30°C), 10W-30			
68°F (20°C) and below, 5W-30			
TRANSMISSION, REAR AXLE 15W-40 HTF 85.0 89.8			
FRONT AXLE:			
Fixed	.80W-90 GL-5	15.0	9.52
Suspended	.80W-90 GL-5	14.5	9.40
FRONT FINAL DRIVE:			
Fixed	.80W-90 GL-5	7.0	7.40
Suspended	.80W-90 GL-5	7.0	7.40
REAR FINAL DRIVE (each) GL-5 14.0 13.7			
8650, 8660: 85W-90			
8670, 8680, 8690: 85W-140			
CLUTCH FLUID PS006 0.6 3.68			
1 When using 10, 5W-20 or 5W-30 check oil level more frequently. Under continuous heavy load conditions where cold starting is no problem, use heavier-grade oil.			
2 May also use SAE 80 GL-4.			
NEW HOLLAND (FORD)			
NEW HOLLAND BOOMER 8N			
CRANKCASE, including filter CH-4, E5 6.0 6.3			
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-20° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 35.2 37.2			
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE HTF 5.3 5.6			
TK76, TK85, TK85M			
ENGINE: 1530, 1630, 1725, 1925 CH-4/SJ 11.2 11.8			
Above 5°F (-15°C), 15W-40			
-13° to 68°F (-25° to 20°C), 10W-30			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W may be used in extreme cold.			
Avoid unnecessary use of low-viscosity oils.			
TRANSMISSION HTF 39.0 41.2			
Includes gears, bevel drive, brakes and hydraulic lift.			
FINAL DRIVES (each): 80W-90 GL-5 3.5 3.7			
STEERING CLUTCHES 10W-30 CH-4/SJ 14.0 14.8			
TRACK TENSION WHEEL, CARRIAGE ROLLERS,			
TRACK SUPPORT ROLLERS HTF — —			
GREASE FITTINGS LM EP — —			
TL80A, TL90A, TL100A			
CRANKCASE, including filter CH-4 9.5 10.0			
-22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, HYDRAULIC SYSTEM & REAR AXLE			
All	GL-4	55.0	58.1
FRONT DRIVE AXLE GL-4 7.0 7.4			
FRONT WHEEL HUB			
All	GL-4	1.3	1.4
COOLING SYSTEM			
w/o Cab	—	14.0	14.8
w/Cab	—	16.0	16.9
T5.95, T5.105, T5.115, T.95 Electro Command,			
T.105 Electro Command, T.115 Electro Command			
CRANKCASE, including filter CH-4, E5 6.0 6.3			
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-10° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 36.0 38.0			
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE HTF 5.3 5.6			
NEW HOLLAND 3040, 3045, 3050 with Cab and Easydrive CVT transmission			
CRANKCASE, including filter CH-4, E5 6.0 6.3			
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-10° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 35.2 37.2			
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE HTF 5.3 5.6			
NEW HOLLAND T4020 Standard, Deluxe and Supersteer models			
CRANKCASE, including filter CI-4 8.5 9.0			
-22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 44.0 46.5			
FRONT DRIVE AXLE			
All	HTF	4.5	4.75
FRONT FINAL DRIVES			
Without Brakes (each)	HTF	1.0	1.1

	Lubricant	Liters	Qt
NEW HOLLAND (FORD) (continued)			
FRONT WHEEL HUB			
Standard Axle	GL-4	0.8	0.9
COOLING SYSTEM			
All	—	4.0	4.2
Ford 1530, 1630, 1725, 1925, TC18, TC21, TC21D, TC25, TC25D, TC29, TC29D, TC30, TC33, TC33D, TC35, TC35D, TC40, TC40D, TC45, TC45D, TC48DA, TC55DA			
ENGINE:			
1530, 1630, 1725, 1925	CG-4	4.5	4.8
TC18, TC21, TC21D	CG-4	3.3	3.5
TC35, TC35D	CG-4	5.8	6.1
TC40, TC40D, TC45, TC45D	CG-4	6.0	6.3
Others	CG-4	4.0	4.2
Above 40°F (4°C), 30			
Above 10°F (-12°C), 15W-40			
Above -10°F (-23°C), 10W-30			
-20° to 60°F (-29° to 16°C), 5W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
TC18, TC21, TC21D	HTF ¹	16.0	16.9
TC35, TC35D, TC40, TC40D, TC45, TC45D	HTF ¹	36.0	38.1
Others:			
w/Hydrostatic	HTF ¹	33.3	35.2
w/o Hydrostatic	HTF ¹	32.5	34.4
FRONT DIFFERENTIAL			
TC18, TC21, TC21D	HTF ¹	1.0	1.1
TC35, TC35D, TC40, TC40D, TC45, TC45D	HTF ¹	5.3	5.6
Others	HTF ¹	1.4	1.5
FRONT FINAL REDUCTION GEAR CASE (each)			
TC18, TC21, TC21D	HTF ¹	0.4	0.4
Others	HTF ¹	0.8	0.8
Clutch Housing	HTF ¹	0.3	0.3
Power Steering	—	—	—
TC18, TC21, TC21D	HTF ¹	1.8	1.9
TC35, TC35D, TC40, TC40D, TC45, TC45D	HTF ¹	1.4	1.5
Others	HTF ¹	1.6	1.7
GREASE FITTINGS & WHEEL BEARINGS LM EP — —			
Ford 3010, 5010			
ENGINE			
3010	CF-4	7.3	7.7
5010	CF-4	11.7	12.3
Above 5°F (-15°C), 15W-40			
32° to 90°F (0° to 32°C), 30			
-13° to 90°F (-25° to 32°C), 10W-30			
-13° to 32°F (-25° to 0°C), 10			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W may be used in extreme cold.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
2WD	HTF	32.0	33.8
4WD 3010	HTF	33.0	34.8
5010	HTF	34.0	35.9
FRONT DIFFERENTIAL HTF 5.5 5.8			
FRONT HUBS (each) HTF 1.2 1.3			
Hydrostatic Steering 3010	HTF	1.7	1.8
5010	HTF	2.0	2.1
GREASE FITTINGS LM EP — —			
NEW HOLLAND 3040, 3045, 3050 with 12x12 gear transmission			
CRANKCASE, including filter CH-4, E5 6.0 6.3			
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-10° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 36.0 38.0			
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE HTF 5.3 5.6			
NEW HOLLAND 3040, 3045, 3050 with Cab and Easydrive CVT transmission			
CRANKCASE, including filter CH-4, E5 6.0 6.3			
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-10° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 35.2 37.2			
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE HTF 5.3 5.6			
NEW HOLLAND T4020 Standard, Deluxe and Supersteer models			
CRANKCASE, including filter CI-4 8.5 9.0			
-22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM HTF 44.0 46.5			
FRONT DRIVE AXLE			
All	HTF	4.5	4.75
FRONT FINAL DRIVES			
Without Brakes (each)	HTF	1.0	1.1

FARM TRACTORS

	Lubricant	Liters	Qt
NEW HOLLAND (FORD) (continued)			
NEW HOLLAND BOOMER 4055, 4060			
CRANKCASE, including filter	CH-4, E5	7.0	7.4
40° to 120° F (4.4° to 49° C), 5W-30			
-20° to 60° F (-29° to 15.5° C), 5W-30			
-10° to 120° F (-23.3° to 49° C), 10W-30			
10° to 120° F (12.2° to 49° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
EHSS	HTF	46.0	12.1
SSS	HTF	38.0	10.0
FRONT AXLE DIFFERENTIAL/FINAL REDUCTION GEAR CASE	HTF	5.8	6.1
POWER STEERING	HTF	1.8	1.9
Ford 4835, 5635, 6635, 7635, TL70, TL80, TL90, TL100			
ENGINE	CF-4	11.7	12.4
Above 5°F (-15°C), 15W-40 preferred			
-13° to 68°F (-25° to 20°C), 10W-30			
Below 68°F (20°C), 5W-30			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W may be used in extreme cold.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
TL70	HTF	49.0	51.8
4835: w/synchro-reverser	HTF	55.0	58.1
w/o synchro-reverser	HTF	49.0	51.8
5635, 6635, 7635, TL70, TL80, TL90, TL100	HTF	55.0	58.1
FRONT DIFFERENTIAL			
4835, TL70	HTF	4.5	4.8
Others	HTF	7.0	7.4
FRONT HUBS (each)			
4835, TL70	HTF	0.8	0.8
Others	HTF	1.3	1.3
GREASE FITTINGS & WHEEL BEARINGS			
	LM EP	—	—
BRAKE RESERVOIR			
	SL123	—	—
NEW HOLLAND TD5010, T5020, TD5030, TD5040, TD5050			
CRANKCASE, including filter	CH-4, E5	8.5	9.0
TD5010, TD5020, TD5030	CH-4, E5	10.0	10.6
TD5040, TD5050	CH-4, E5	10.0	10.6
-22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION AND HYDRAULIC SYSTEM			
All	HTF	46.0	48.6
FRONT DRIVE AXLE			
All	HTF	7.0	7.4
FRONT AXLE FINAL DRIVES			
All Models - each	HTF	1.25	1.3
REAR AXLE FINAL DRIVES			
All Models - each	HTF	5.3	5.6
NEW HOLLAND TD5050HC			
CRANKCASE, including filter	CH-4, E5	10.0	10.6
22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
	HTF	46.0	48.6
FRONT DRIVE AXLE	HTF	7.0	7.4
FRONT FINAL DRIVES (EACH)	HTF	1.25	1.3
REAR FINAL DRIVES (EACH)	HTF	5.3	5.6
5610S, 6610S, 7010, 7610S, 7810S, 8010, TB100, TB110			
ENGINE:	CG-4/SH	20.3	22.1
7810S, 8010	CG-4/SH	11.4	12.0
Others	CG-4/SH	11.4	12.0
Above 0°F (-18°C), 15W-40			
32° to 90°F (0° to 32°C), 30			
-13° to 90°F (-25° to 32°C), 10W-30			
-13° to 32°F (-25° to 0°C), 10			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W may be used in extreme cold.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM:			
7010, 7610S, 7810S, 8010 Low Profile w/2 speed PTO	HTF	66.0	70.0
8010 High Clearance w/2 speed PTO	HTF	56.0	58.0
TB100, TB110	HTF	56.8	60.0
Others w/Single speed PTO	HTF	62.0	65.2
4WD models add	HTF	1.2	1.3
Front Differential	HTF	6.0	6.3
Front Hubs (each):	HTF	1.0	1.0
Rear Final Drives (each): 8010 High Clearance	HTF	4.5	4.8
Hydrostatic Steering	HY	2.2	2.3
MANUAL STEERING BOX:			
5610S, 6610S, 7610S, 7810S	HTF	0.8	0.8
Belt Pulley ex. 7010 & 8010	HTF	1.1	1.2
Wheel Bearings & Grease Fittings	LM	—	—
NEW HOLLAND T6010 Delta, T6020 Delta, T6030 Delta, T6050 Delta, T6070 Delta			
CRANKCASE, including filter	CH-4, E5	10.0	10.6
T6010 delta, T6020 delta	CH-4, E5	15.0	15.9
T6030 delta, T6050 delta, T6070 delta	CH-4, E5	15.0	15.9
-22° to 68° F (-30° to 20° C), 5W-30			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
Synchro Command with HD rear axle	HTF	65.0	68.7
Dual Command with HD rear axle	HTF	65.5	69.2
Electro Shift with HD rear axle	HTF	62.0	65.5

	Lubricant	Liters	Qt
NEW HOLLAND (FORD) (continued)			
FRONT DRIVE AXLE			
All	HTF	9.0	9.5
FRONT WHEEL HUB			
All Models - Per Hub	HTF	1.5	1.6
All Models with Brakes - Per Hub	HTF	3.0	3.2
NEW HOLLAND TS6.110/110 HC, TS6.120/120 HC, TS6.125, TS6.140			
CRANKCASE, including filter	CI/CH/CG/CF-4	11.0	11.6
TS6.110/110 HC, TS6.120/120 HC	CI/CH/CG/CF-4	14.0	14.8
TS6.125, TS6.140	CI/CH/CG/CF-4	14.0	14.8
-22° to 50° F (-30° to 10° C), 5W-30, 10W-30			
-13° to 113° F (-25° to 45° C), 15W-40			
-40° to 104° F (-40° to 40° C), 0W-40			
Above 32°F (0° C) 20W-50			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
All Wet Clutch	HTF	62.0	65.5
All Dry Clutch	HTF	59.0	62.3
REAR DRIVE HUBS (HC models only)			
TS6.100 HC, TS6.120 HC-Per Hub	HTF	4.0	4.2
FRONT DRIVE AXLE (4WD)			
TS6.110/110 HC, TS6.120/120 HC	HTF	5.5	5.8
TS6.125, TS6.140	HTF	10.0	10.6
FRONT DRIVE HUB (4WD)			
TS6.110/110 HC, TS6.120/120 HC- Per Hub	HTF	1.0	1.1
TS6.125, TS6.140- Per Hub	HTF	1.5	1.6
NEW HOLLAND TS6020, TS6030, TS6030 HC			
CRANKCASE, including filter	15W-40, 10W-30 CI/CH/CG/CF-4	11.0	11.6
TRANSMISSION/REAR AXLE			
Up to PIN C50022M	HTF	66.0	69.7
From PIN C50022M	HTF	56.0	59.2
REAR AXLE HUB			
Up to PIN C50022M All Models-Per Hub	HTF	4.0	4.2
From PIN C50022M-HC Model Only-Per Hub	HTF	4.0	4.2
FRONT AXLE (4WD)			
Up to PIN C50022M	HTF	9.0	9.5
From PIN C50022M	HTF	6.0	6.3
FRONT DRIVE HUB (4WD)			
All Models - Per Hub	HTF	1.6	1.7
NEW HOLLAND T6020, T6030, T6040, T6050, T6060, T6070 Elite Models			
CRANKCASE, including filter			
4 Cylinder Models		10.0	10.6
6 Cylinder Models		15.0	15.9
-22° to 68° F (-30° to 20° C), 5W-30 CJ-4, E5			
-13° to 68° F (-25° to 20° C), 10W-30			
5° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION, REAR AXLE & HYDRAULIC SYSTEM			
	HTF	62.0	65.5
FRONT DRIVE AXLE	HTF	9.0	9.5
FRONT FINAL DRIVE	HTF	1.25	1.3
Standard Axle-All Models-Per Hub		3.6	3.8
Heavy Duty Axle-6 Cyl Models Only-Per Hub		3.6	3.8
Ford 8160, 8260, 8360, 8560, TM115, TM120, TM125, TM130, TM135, TM140, TM150, TM155, TM165, TM175, TM190			
ENGINE	CG-4/SH	19.0	20.0
8160, 8260, 8360, 8560:			
Above 10°F (-12°C), 15W-40 preferred			
Above 0°F (-18°C), 10W-30			
Below 60°F (15°C), 5W-30			
TM Series:			
Above 5°F (-15°C), 15W-40			
-13° to 68°F (-25° to 20°C), 10W-30			
Below 60°F (20°C), 5W-30			
All models:			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W may be used in extreme cold.			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
8160, 8260, 8360: w/23F X 12R Transmission	HTF	73.0	77.2
w/o 23F X 12R Transmission	HTF	90.0	95.1
TM115, TM125			
w/Synchro Command trans. & open center hydraulics	HTF	65.0	68.7
TM115, TM125, TM135:			
w/Dual Command trans. & CCLS hydraulics	HTF	73.0	77.2
w/Range Command trans. & CCLS hydraulics	HTF	90.0	95.1
TM150	HTF	90.0	95.1
8560, TM165	HTF	100.0	105.7
FRONT DIFFERENTIAL			
8160, 8260, TM115, TM125, TM135	HTF	9.0	9.5
Others	HTF	14.0	14.8
FRONT HUBS (each)			
8160, 8260, TM115, TM125, TM135	HTF	1.7	1.8
Others	HTF	2.2	2.3
GREASE FITTINGS & WHEEL BEARINGS			
	LM EP	—	—
BRAKE & CLUTCH RESERVOIR			
	SL123	—	—

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
NEW HOLLAND (FORD) (continued)				NEW HOLLAND (FORD) (continued)			
Ford TN55-D, -S, -V, TN65-D, -F, -N, -S, -V, TN70, TN75-D, -F, -N, -S, -V, TN90F, TS90, TS100, TS110				COOLING SYSTEM			
ENGINE				T6020, T6040, T6060 — 23.0 24.3			
TN Series				T6030, T6050, T6070 — 25.0 26.4			
TN65F, TN75F, TN90F CG-4/SH 10.5 11.1				T9020, T9030, T9040, T9050, T9060			
Others CG-4/SH 7.5 7.9				CRANKCASE, including filter			
TS Series CG-4/SH 11.4 12.0				T9020 CI-4 27.4 28.9			
Above 5°F (-15°C), 15W-40				T9030, T9040, T9050 CI-4 31.0 32.8			
-13° to 68°F (-25° to 20°C), 10W-30				T9060 CI-4 49.0 51.8			
Below 68°F (20°C), 5W-30				-22° to 50° F (-30° to 10° C), 5W-30			
For prolonged operation, SAE 50 may be used in extreme heat and SAE 5W (ex. TS Series) may be used in extreme cold.				-13° to 50° F (-25° to 20° C), 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				-4° to 104° F (-15° to 40° C), 15W-40			
TN Series: TN65F, TN75F, TN90F: w/Power-shuttle HI-Lo HTF 55.0 58.1				TRANSMISSION			
w/o Power-shuttle HI-Lo HTF 44.0 46.5				w/o PTO HTF 49.2 52.0			
Others HTF 42.0 44.4				w/PTO HTF 51.1 54.0			
TS Series: w/16x16 trans HTF 60.6 64.1				FRONT AXLE, HYDRULIC SYSTEM & REAR AXLE			
Others HTF 56.8 60.0				T9020 HTF 238.0 251.0			
FRONT DIFFERENTIAL				T9030, T9040 HTF 269.0 284.2			
TN Series				COOLING SYSTEM			
TN55V, TN65V, TN75V HTF 4.0 4.2				T9020 — 48.0 50.7			
TN65-F -N, TN75-F -N, TN90F HTF 2.8 3.0				T9030, T9040 — 79.4 83.9			
Others HTF 4.5 4.8				T9050, T9060 — 80.0 84.5			
TS Series HTF 6.2 6.6				NEW HOLLAND TT60A, TT75A			
FRONT HUBS (each)				CRANKCASE, including filter			
TN Series: TN65-F -N, TN75-F -N, TN90F w/Brakes HTF 1.7 1.8				TT60A CF-4 7.5 8.0			
w/o Brakes HTF 1.0 1.1				TT75A CF-4 10.7 11.0			
TN55-D, -S: w/Brakes HTF 1.3 1.4				-22° to 68° F (-30° to 20° C), 5W-30			
w/o Brakes HTF 0.8 0.8				-13° to 68° F (-25° to 20° C), 10W-30			
TN55V, TN65V, TN75V w/Brakes HTF 0.6 0.6				5° to 104° F (-15° to 40° C), 15W-40			
Others: w/Brakes HTF 1.5 1.6				TRANSMISSION, AND HYDRAULIC SYSTEM			
w/o Brakes HTF 1.0 1.1				All HTF 29.0 30.6			
TS Series HTF 3.0 3.2				FRONT DRIVE AXLE			
BRAKE RESERVOIR SL123 — —				All HTF 5.5 5.8			
WHEEL BEARINGS & GREASE FITTINGS LM EP — —				FRONT WHEEL HUB			
				All HTF 1.2 1.3			
Versatile TV140				FINAL DRIVE REAR AXLE			
ENGINE				TT60A 80W-90 GL-5 9.0 9.5			
7.5L CF-4 17.0 18.0				TT75A 80W-90 GL-5 5.6 6.6			
Above 10°F (-12°C), 15W-40 preferred				POWER STEERING HTF 2.0 2.1			
Above 0°F (-18°C), 10W-30							
-13° to 60°F (-25° to 15°C), 5W-30							
HYDRAULIC SYSTEM including filter HTF 51.1 54.0							
FRONT DIFFERENTIAL HTF 25.0 26.4							
BRAKE RESEVOIR SL048 — —							
GREASE FITTINGS LM EP — —							
T4030							
CRANKCASE, including filter							
All CF-4 8.5 9.0							
-13° to 68° F (-25° to 20° C), 10W-30							
5° to 104° F (-15° to 40° C), 15W-40							
TRANSMISSION, HYDRAULIC SYSTEM & REAR AXLE							
All GL-4 44.0 46.5							
FRONT DRIVE AXLE GL-4 2.8 3.0							
FRONT WHEEL HUB							
Final Drives: w/o Brakes — 1.0 1.1							
w/Brakes — 1.7 1.8							
COOLING SYSTEM							
w/o Cab 10.5 11.1							
w/Cab 12.5 13.2							
T4040, T4050							
CRANKCASE, including filter							
All CH-4, CI-4 9.5 10.0							
-13° F to 50° F (-25° C to 10° C), 10W-30							
-40° F to 104° F (-40° C to 40° C), 10W-40							
TRANSMISSION, HYDRAULIC SYSTEM & REAR AXLE							
All GL-4 42.0 44.4							
FRONT DRIVE AXLE GL-4 4.5 4.8							
FINAL DRIVES							
w/o Brakes — 1.0 1.1							
w/Brakes — 1.5 1.6							
COOLING SYSTEM							
w/o Cab 14.0 14.8							
w/Cab 16.0 16.9							
T6020, T6030, T6040, T6050, T6060, T6070							
CRANKCASE, including filter							
4 cylinder CH-4 10.0 10.6							
6 cylinder CH-4 15.0 15.9							
-22° to 68° F (-30° to 20° C), 5W-30							
-13° to 68° F (-25° to 20° C), 10W-30							
5° to 104° F (-15° to 40° C), 15W-40							
TRANSMISSION, HYDRAULIC SYSTEM & REAR AXLE							
All GL-4 62.0 65.5							
FRONT DRIVE AXLE GL-4 9.0 9.5							
FRONT WHEEL HUB							
Heavy Duty Axle GL-4 3.6 3.8							
Standard Axle GL-4 1.3 1.4							
				Versatile 9482, 9682, 9882			
				ENGINE			
				9482 CF-4 36.7 38.8			
				9682, 9882 CF-4 38.7 40.9			
				Above 10°F (-12°C), 15W-40			
				-15° to 55°F (-26° to 13°C), 10W-30			
				TRANSMISSION			
				9482, 9682: Manual w/PTC HTF ¹ 41.6 44.0			
				w/o PTO HTF ¹ 37.9 40.0			
				Powershift w/PTO HTF ¹ 51.2 54.0			
				w/o PTO HTF ¹ 47.4 50.0			
				9882 HTF ¹ 37.9 40.0			
				DIFFERENTIALS (each) GL-5 ² 26.9 28.4			
				PLANETARY HUBS (each)			
				9482 GL-5 ² 7.6 8.0			
				9682 GL-5 ² 7.6 8.0			
				w/HD Axle GL-5 ² 12.0 12.8			
				9882 GL-5 ² 12.0 12.8			
				HYDRAULIC SYSTEM			
				Reservoir only HTF ¹ 75.7 80.0			
				Total: w/3 point hitch HTF ¹ 123.7 132.0			
				w/o 3 point hitch HTF ¹ 117.0 124.0			
				GREASE FITTINGS LM EP — —			
				BRAKE RESERVOIR HB — —			
				9184, 9384, 9484, 9684, 9884			
				ENGINE:			
				9184 CG-4, CH-4 21.7 22.9			
				9384, 9484 CG-4, CH-4 36.7 38.8			
				9684, 9884 CG-4, CH-4 38.7 40.8			
				Above 5°F (-15°C), 15W-40 Preferred			
				-5° to 68°F (-21° to 20°C), 10W-30			
				Avoid unnecessary use of 10W-30.			
				TRANSMISSION			
				9184, 9384, 9484, 9684, 9884:			
				Quadra-Sync II Trans. w/o PTO HTF ¹ 37.9 40.0			
				9384, 9484, 9684:			
				Powershift Trans. w/o PTO HTF ¹ 47.4 50.0			
				w/PTO HTF ¹ 51.2 54.0			
				DIFFERENTIALS (each)			
				9184 GL-5 ² 32.9 34.8			
				Others GL-5 ² 26.9 28.4			

FARM TRACTORS

	Lubricant	Liters	Qt
NEW HOLLAND (FORD) (continued)			
PLANETARY HUBS (each)			
9184, 9384, 9484	GL-5 ²	7.6	8.0
9684: w/o HD Axle	GL-5 ²	7.6	8.0
w/HD Axle	GL-5 ²	12.0	12.8
9884	GL-5 ²	12.0	12.8
HYDRAULIC SYSTEM			
Reservoir only	HTF ¹	75.7	80.0
Total: w/o 3-Point Hitch	HTF ¹	117.0	124.0
w/3-Point Hitch	HTF ¹	123.7	131.0
BRAKE RESERVOIR			
	HB	—	—
GREASE FITTINGS			
	LM EP	—	—
1 New Holland Hydraulic Oil F200 (Part No. 86523626DS) may be used in cold climate.			
2 Gear oil viscosities:			
Above 32°F (0°C), 35W-140			
Below 32°F (0°C), 30-90			
Note: Oil flows between differential housing and hubs.			
STEIGER			
335, 385, 435, 485, 535			
CRANKCASE, including filter			
335	CI-4	37.4	28.9
385, 435, 485	CI-4	31.0	32.8
535	CI-4	31.0	32.8
-22° to 50° F (-30° to 10° C), 5W-30			
-13° to 50° F (-25° to 20° C), 10W-30			
-4° to 104° F (-15° to 40° C), 15W-40			
TRANSMISSION			
w/o PTO	HTF	49.2	52.0
w/PTO	HTF	51.1	54.0
FRONT AXLE, HYDRAULIC SYSTEM & REAR AXLE			
335	HTF	238.0	251.0
385, 435, 485, 535	HTF	269.0	284.2
COOLING SYSTEM			
335	—	48.0	50.7
385, 435	—	79.4	83.9
485, 535	—	80.0	84.5
STEIGER STX275, STX325			
ENGINE, including filter			
STX275	CH-4	23.8	25.2
STX325	CH-4	27.4	29.0
STX375, STX440 only	CH-4	49.2	52.0
32° to 113°F (0° to 45°C), 20W-50			
-4° to 113°F (-20° to 45°C), 15W-40			
-13° to 50°F (-25° to 10°C), 10W-30			
-22° to 50°F (-30° to 10°C), 5W-30			
-40° to 32°F (-40° to 0°C), 0W-30			
TRANSMISSION			
Case MS1209 HY-TRAN® ULTRA			
STX275, STX375: w/PTO	HTF	51.1	54.0
w/o PTO	HTF	49.2	52.0
STX375, STX440: w/PTO	HTF	76.0	54.0
w/o PTO	HTF	49.2	52.0
AXLE/HYDRAULIC SYSTEM			
Reservoir	HTF	132.4	140.0
Total System			
w/o 3 Point Hitch	HTF	238.0	251.3
w/3 Point Hitch	HTF	257.0	271.5
GREASE FITTINGS			
	LM	—	—
VALTRA			
A75, A85, A95			
CRANKCASE, including filter			
A75	CG-4, CH-4	7.0	7.4
A85, A95	CG-4, CH-4	9.0	9.5
-4° to 86° F (-20° to 30° C), 10W-30			
14° to 104° F (-10° to 40° C), 15W-40			
TRANSMISSION			
All	GL-4	32.0	33.8
HYDRAULIC SYSTEM			
High Mark	HOA	35.0	37.0
Low Mark	HOA	25.0	26.4
FRONT DRIVE AXLE			
All	GL-5	6.5	6.9
FRONT WHEEL HUB			
All	—	1.0	1.1
COOLING SYSTEM			
A75	—	13.5	14.3
A85, A95	—	15.5	16.4
N SERIES HI TECH 5 (N93 H5 & N103 H5)			
CRANKCASE including filter:			
	CJ-4	14.5	15.3
-13 to 104 ° F (-25 to 40 ° C), 10W-40			
TRANSMISSION and HYDRAULIC SYSTEM			
	HTF	48.0	50.7
FRONT AXLE	.80W-90 GL-5	4.6	4.8
FRONT HUBS: (each)	.80W-90 GL-5	0.75	0.8
COOLING SYSTEM	—	18.0	19.0

	Lubricant	Liters	Qt
VALTRA (continued)			
N101, N111, N121, N141			
CRANKCASE, including filter			
All	CI-4	13.0	13.7
-13° to 86° F (-25° to 30° C), 10W-30			
-13° to 104° F (-25° to 40° C), 10W-40			
-4° to 104° F (-20° to 40° C), 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM			
All	GL-4	65.0	68.7
FRONT DRIVE AXLE			
All	GL-5	8.0	8.5
FRONT WHEEL HUB			
All	—	2.0	2.1
COOLING SYSTEM			
All	—	22.0	23.2
T121, T131, T151, T161, T171, T191			
CRANKCASE, including filter			
All	CI-4	19.0	20.1
-13° to 86° F (-25° to 30° C), 10W-30			
-13° to 104° F (-25° to 40° C), 10W-40			
-4° to 104° F (-20° to 40° C), 15W-40			
TRANSMISSION & HYDRAULIC SYSTEM			
All	GL-4	65.0	68.7
FRONT DRIVE AXLE			
All	GL-5	8.0	8.5
FRONT WHEEL HUB			
All	GL-5	1.0	1.1
COOLING SYSTEM			
T121, T131	—	29.0	30.6
T151, T161, T171	—	30.0	31.7
T191	—	31.0	32.8
T SERIES HI TECH (T133 H, T153 H, T173 H and T193 H)			
CRANKCASE including filter:			
	CJ-4	19.0	20.0
-20 to 50° C, 15W-40			
-25 to 40° C, 10W-40			
-25 to 30° C, 10W-30			
-35 to 40° C, 5W-40			
-35 to 30° C, 5W-30			
TRANSMISSION and HYDRAULIC SYSTEM			
	HTF	65.0	68.7
FRONT AXLE	.80W-90 GL-5	7.4	7.8
FRONT HUBS (each)	.80W-90 GL-5/GL-5*	2.0	2.1
WHITE			
Field Boss 16, 16 Hydrostatic 21, 31, 37, 43; also 2-32			
ENGINE, including filter:			
16, 21	CF	3.0	3.2
31	CF	4.8	5.1
2-32, 37	CF	7.1	7.5
43	CF	6.9	7.3
Above 32°F (0°C), 30			
Below 80°F (27°C), 10W-30			
10° to 80°F (-12° to 27°C), 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
16	HTF	12.3	13.0
21	HTF	17.0	18.0
31	HTF	34.5	36.4
2-32, 37, 43	HTF	45.0	47.6
FRONT DIFFERENTIAL:			
16	HTF	0.7	0.7
21	HTF	3.0	3.2
31	HTF	5.0	5.3
37	HTF	6.0	6.3
2-32	.80W-90 GL-5	6.0	6.3
FRONT FINAL DRIVES:			
16	HTF	0.3	0.3
POWER STEERING:			
2-32, 31, 37, 43	HY	2.0	2.1
FRONT WHEEL BEARINGS (2WD)	LM EP	—	—
GREASE FITTINGS	LM EP	—	—
60, 80			
ENGINE, including filter:			
	SJ	11.6	12.3
All temperatures, 15W-40			
Consistently below 14°F (-10°C), 10W-30			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
2WD	HTF	30.0	32.0
4WD	HTF	30.9	33.0
POWERSHIFT TRANSMISSION:	HTF	3.3	3.5
FRONT DIFFERENTIAL	.80W-90 GL-5	4.6	4.8
FRONT HUBS	.80W-90 GL-5	0.8	0.8
FRONT WHEEL BEARINGS (2WD)	LM EP	—	—
GREASE FITTINGS	LM EP	—	—
100, 120, 125, 140, 145, 160, 170, 185, 195			
ENGINE, including filter:			
100, 120, 125, 140, 145	SJ	16.4	17.3
160, 170, 185, 190	SJ	22.2	23.5
All temperatures, 15W-40			
Consistently below 14°F (-10°C), 10W-30			

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
WHITE (continued)				WHITE (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				TRANSMISSION .....HTF 41.6 44.0			
2WD	HTF	87.1	92.1	DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF 83.3 88.1			
4WD	HTF	88.1	93.1	FRONT DIFFERENTIAL .....80W-90 GL-5 10.0 10.6			
POWERSHIFT TRANSMISSION				FRONT HUBS (each) .....80W-90 GL-5 4.0 4.2			
100, 120, 125	HTF	3.3	3.5	WHEEL BEARINGS & GREASE FITTINGS .....LM EP — —			
140, 145, 160, 170, 185, 195	HTF	5.7	6.0	6410, 6510			
FRONT DIFFERENTIAL				ENGINE .....CG-4 9.5 10.0			
100, 120, 125	80W-90 GL-5	7.5	7.9	Above 10°F (-12°C), 15W-40 preferred			
145, 170, 195	80W-90 GL-5	10.0	10.6	-18° to 64°F (-28° to 18°C), 10W-30			
FRONT HUBS (each)				Below 64°F (18°C), 5W-30			
100, 120, 125	80W-90 GL-5	0.8	0.8	Avoid unnecessary use of low-viscosity oils.			
145	80W-90 GL-5	1.8	1.9	TRANSMISSION & HYDRAULIC SYSTEM .....HTF 50.0 52.8			
160, 170, 185, 195	80W-90 GL-5	4.0	4.2	REAR PLANETARY HUBS (each) .....HTF 2.9 3.0			
FRONT WHEEL BEARINGS (2WD)				6510 only .....HTF 2.9 3.0			
GREASE FITTINGS				FRONT DIFFERENTIAL			
.....LM EP — —				6410 .....80W-90 GL-5 5.6 5.9			
6045				6510 .....80W-90 GL-5 7.6 8.0			
ENGINE .....CG-4 7.5 7.9				FRONT HUBS (each) .....80W-90 GL-5 4.0 4.2			
Above 10°F (-12°C), 15W-40 preferred				6410 .....80W-90 GL-5 1.0 1.1			
-22° to 68°F (-30° to 20°C), 10W-30				6510 .....80W-90 GL-5 1.2 1.3			
Below 68°F (20°C), 5W-30				BRAKE SYSTEM .....SL048 — —			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF 41.0 43.2				WHEEL BEARINGS & GREASE FITTINGS .....LM EP — —			
FRONT DIFFERENTIAL .....HTF 6.0 6.3				6710, 6810, 8310, 8410, 8510, 8610, 8710, 8810			
FRONT HUBS (each) .....HTF 1.5 1.6				ENGINE			
BRAKE & CLUTCH RESERVOIR .....AF3 — —				6710 .....CG-4 17.0 18.0			
WHEEL BEARINGS & GREASE FITTINGS .....LM EP — —				6810 .....CG-4 14.8 15.6			
6065, 6085				8310, 8410 .....CG-4 21.0 22.2			
ENGINE .....CF-4 9.2 9.7				8510, 8610, 8710, 8810 .....CG-4 22.7 24.0			
Above 77°F (25°C), 40				6710, 6810: Above 68°F (20°C), 40			
50° to 90°F (10° to 32°C), 30				45° to 90°F (7° to 32°C), 30			
23° to 59°F (-5° to 15°C), 20W-20				21° to 57°F (-6° to 14°C), 20W-20			
All temperatures, 15W-40				All temperatures, 15W-40			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF 45.0 47.6				Others: Above 12°F (-11°C), 15W-40 preferred			
FRONT DIFFERENTIAL .....HTF 6.0 6.3				-24° to 68°F (-31° to 20°C), 10W-30			
FRONT HUBS				Below 68°F (20°C), 5W-30			
BRAKE & CLUTCH RESERVOIR .....AF3 — —				Avoid unnecessary use of low-viscosity oils.			
WHEEL BEARINGS & GREASE FITTINGS .....LM EP — —				TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
6090 High Clearance				6710 .....HTF 68.5 72.0			
ENGINE				6810 .....HTF 70.0 74.0			
CRANKCASE .....CF-4 9.2 9.7				Others: 4-speed .....HTF 135.0 140.0			
Above 72°F (22°C), 40				18-speed .....HTF 150.0 158.6			
45° to 90°F (7° to 32°C), 30				FINAL DRIVES (each)			
19° to 57°F (-7° to 14°C), 20W-20				8310, 8410 .....85W-140 GL-5 3.6 3.8			
Below 100°F (38°C), 15W-40 preferred				8510 .....85W-140 GL-5 4.5 4.8			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM .....HTF 57.7 60.8				FRONT DIFFERENTIAL			
FRONT DIFFERENTIAL .....HTF 5.4 5.7				6710, 6810 .....80W-90 GL-5 7.0 7.4			
FRONT HUBS (each) .....HTF 1.5 1.6				8710, 8810 .....80W-90 GL-5 10.0 10.6			
FINAL DRIVES .....HTF — —				Others .....80W-90 GL-5 11.7 12.4			
GREASE FITTINGS .....LM — —				FRONT HUBS (each)			
BRAKE & CLUTCH RESERVOIR* .....AF3 — —				6710, 6810 .....80W-90 GL-5 1.5 1.6			
* Do not use HB.				8510, 8610 .....80W-90 GL-5 1.9 2.0			
6105				8710, 8810 .....80W-90 GL-5 4.0 4.2			
ENGINE .....CF-4 15.5 15.9				Others .....80W-90 GL-5 4.5 4.8			
Above 77°F (25°C), 40				GREASE FITTINGS .....LM EP — —			
50° to 90°F (10° to 32°C), 30				ZETOR			
23° to 59°F (-5° to 15°C), 20W-20				3320, 3321, 3340, 3341, 4320, 4321, 4340, 4341,			
All temperatures, 15W-40				6320, 6321, 6340, 6341, 7320, 7321, 7340, 7341			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				CRANKCASE, including filter:			
.....HTF 97.4 102.9				3 cyl. Engines .....CF 9.0 9.5			
FRONT DIFFERENTIAL .....HTF 13.0 13.7				4 cyl. Engines .....CF 12.0 12.5			
FRONT HUBS (each) .....HTF 2.5 2.6				Above 90°F (30°C), 15W-40, 20W-50			
BRAKE & CLUTCH RESERVOIR .....AF3 — —				20° to 90°F (-7° to 30°C), 10W-30, 15W-30, 15W-40			
GREASE FITTINGS .....LM EP — —				Below 20°F (-7°C), 5W-30, 10W-30			
6124, 6125, 6144, 6145				TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM			
ENGINE .....CF-4 16.4 17.3				2WD .....80W-90 GL-4 25.0 26.5			
Above 77°F (25°C), 40				4WD .....80W-90 GL-4 27.0 28.5			
Above 14°F (-10°C), 15W-40				REAR FINAL DRIVES (each) .....80W-90 GL-4 1.9 2.0			
41° to 86°F (5° to 30°C), 30				FRONT DIFFERENTIAL			
14° to 50°F (-10° to 10°C), 20W-20				Carraro .....80W-90 GL-4 5.7 6.0			
Below 23°F (-5°C), 10				Zetor .....80W-90 GL-4 4.3 4.5			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				FRONT FINAL DRIVES (each):			
6124, 6144 .....HTF 76.8 81.2				Carraro .....80W-90 GL-4 0.4 0.4			
6125, 6145: Transmission .....HTF 41.6 44.0				Zetor: 3-cyl .....80W-90 GL-4 0.3 0.3			
Differential & Hydraulic System .....HTF 83.3 88.1				4-cyl .....80W-90 GL-4 0.5 0.5			
FINAL DRIVES (each) .....85W-140 GL-5 3.4 3.6				POWER STEERING:			
FRONT DIFFERENTIAL .....80W-90 GL-5 10.0 10.6				w7 1/2" Tank .....HOA 4.8 5.0			
FRONT HUBS (each) .....80W-90 GL-5 1.7 1.8				w5 1/2" Tank .....HOA NS NS			
WHEEL BEARINGS & GREASE FITTINGS .....LM EP — —				5011, 5211, 5245, 6211, 6045, 6211, 6245, 7011,			
6175, 6195, 6215				7045, 7211, 7245, 7711, 7745; Also AGRI- POWER 5000, 7000			
ENGINE .....CF-4 22.2 23.5				CRANKCASE, including filter:			
6175, 6195: Above 77°F (25°C), 40				5011, 5211, 5245: 5000 .....CF 9.0 9.5			
Above 14°F (-10°C), 15W-40				Other models .....CF 12.0 12.7			
41° to 86°F (5° to 30°C), 30				Above 86°F (30°C), 40, 20W-50			
14° to 50°F (-10° to 10°C), 20W-20				20 to 86 F (-7 to 30 C), 15W-30, 15W-40			
Below 23°F (-5°C), 10				Below 20 F (-7 C), 10			
6215: Above 9°F (-13°C), 15W-40 preferred							
-13° to 68°F (-25° to 20°C), 10W-30							
Below 68°F (20°C), 5W-30							

FARM TRACTORS

	Lubricant	Liters	Qt		Lubricant	Liters	Qt
ZETOR (continued)				ZETOR (continued)			
TRANSMISSION, DIFFERENTIAL & HYDRAULIC SYSTEM				FRONT AXLE			
2WD: Minimum fill	.80W-90 GL-4	15.0	15.8	All	GL-4, GL-5	5.7	6.0
2WD: Maximum fill when external hydraulics are used	.80W-90 GL-4	32.0	33.8	FRONT FINAL DRIVES			
4WD: Minimum fill	.80W-90 GL-4	17.0	18.0	7020, 7040, 8020, 8040, 9020, 9040: w/o Front Brakes	GL-4, GL-5	0.6	0.7
4WD: Maximum fill when external hydraulics are used	.80W-90 GL-4	34.1	36.0	w/Front Brakes	GL-4, GL-5	1.8	1.9
FINAL DRIVES (each)	.80W-90 GL-4	1.8	1.9	10050, 11050	GL-4, GL-5	1.8	1.9
FRONT DIFFERENTIAL	.80W-90 GL-4	4.3	4.5	POWER STEERING			
FRONT HUBS (each):				All		2.4	2.5
5011, 5211, 5245; 3000	.80W-90 GL-4	0.3	0.3	REAR FINAL DRIVES			
Other models		0.5	0.5	All	GL-4, GL-5	1.9	2.0
POWER STEERING	.HOA	4.8	5.0	COOLING SYSTEM			
7020, 7040, 8020, 8040, 9020, 9040, 10050, 11050				7020, 7040, 8020, 8040, 9020, 9040		17.5	18.5
CRANKCASE, including filter				10050, 11050		18.9	20.0
All	.CE, CF	9.5	10.0				
Summer below 90° F (32° C), 10W-30, 15W-30, 15W-40							
Summer above 90° F (32° C), 15W-40, 20W-50							
Winter, 5W-30, 10W-30							
TRANSMISSION & HYDRAULIC SYSTEM							
7020, 7040, 8020, 8040, 9020, 9040: Working on level ground	GL-4	64.4	68.0				
Working on steep slopes	GL-4	72.0	76.0				
10050, 11050: Working on level ground	GL-4	62.4	66.0				
Working on steep slopes	GL-4	68.1	72.0				

KEY TO LUBRICANT SYMBOLS

SE020	GM Standard Dexos1	SL027	Motorcraft FNR5 ATF, P/N XT-9-QMM5, Mazda Spec. MES MN 117C (ATF M5)	SL082	Nissan Matic K Transmission Fluid, P/N 99MP-MTKOOP	SL147	BMW MSP/A synthetic oil P/N 83 22 9 405 462
SE021	GM Standard Dexos2	SL028	Motorcraft P/N XL-12, Transfer Case Fluid	SL083	Nissan Matic S Transmission Fluid, P/N 999MP-MTS00P	SL148	Audi/Volkswagen P/N G 052 911 A2 (GL-4 75W-90)
SE022	GM Standard GM4718M	SL029	Motorcraft P/N XL-4, Ford Spec. ESE-M99C115-A	SL084	Nissan Transfer Fluid for ATX90A	SL149	Toyota Genuine Transfer Gear Oil LL 80
SE023	GM Standard GM6094	SL030	Motorcraft P/N XT-M5-QS, Ford Spec. WSS-M2C200-C	SL085	Nissan Transmission Oil R35 Special Pentosin Gear Oil FFL 3	SL150	DEXRON® HP Automatic Transmission Fluid
SE024	GM Standard GM-LL-A 025	SL031	Ford Spec. WSS-M2C200-C	SL086	Porsche P/N 00004330400 or 00004320463	SL151	Genuine NISSAN Differential Oil R35 COMPETITION type 2189E
SE025	MB Sheet 228.3	SL032	GM P/N 12378396, Spec. 9986152	SL087	Saab MTF 0063 Synthetic, P/N 12799117	SL152	Castrol BOT 750b
SE026	MB Sheet 228.5	SL033	GM P/N 38900402, Spec. 9986186 (supersedes GM P/N 12378508)	SL088	Saab P/N 400 108 247	SL153	SK Energy ATF SP-4 Transmission Fluid, P/N 68171866AA
SE027	MB Sheet 228.51	SL034	GM P/N 12378514	SL089	Saab P/N 93 165 147	SL154	Transfer Case Lubricant NV146 P/N 68001758AA
SE028	MB Sheet 229.3	SL035	GM P/N 12378515	SL090	Saturn P/N 21018899	SL155	BMW MTF-LT-5, BMW P/N 83 22 2 167 666
SE029	MB Sheet 229.31	SL036	GM P/N 19256039 (AW-1 Transmission Fluid)	SL091	Shell 3403 M115	SL156	Accura ATF Type 2.0
SE030	MB Sheet 229.5	SL037	GM P/N 19256084	SL092	Shell L12108	SL157	Accura ATF Type 3.0
SE031	MB Sheet 229.51	SL038	GM P/N 21018899	SL093	Shell M-1375.4	SL158	BMW ATF6, BMW P/N 83 22 2 355 599 (1L) or P/N 83 22 2 355 601 (20L)
SE032	MINI High Performance Synthetic Oil	SL039	GM P/N 8886247	SL094	Shell M-L12108	SL159	Castrol BOT342A
SE033	Porsche A40	SL040	Honda ATF-Z1, P/N 08200-9001	SL095	Subaru ATF, P/N K0140Y0700 (IDEMITSU ATF HP)	SL160	MB Sheet 236.16
SE034	Porsche C30	SL041	Hydraulic System Mineral Oil (HSMO)	SL096	Suzuki Matic J ATF	SLG01	GM P/N 12345879, Spec. 998530
SE035	API CJ-4 engine oil meeting Chrysler Standard MS-10725	SL042	Hyundai SP-III Automatic Transmission Fluid	SL097	Suzuki Matic S ATF	SLS01	Audi/Volkswagen Silicone Spray Case IH P/N 407 492 R1
SE036	Chrysler Material Standard MS-10896	SL043	Hyundai SP-IV Automatic Transmission Fluid	SL098	Texaco ETL-7045	SLS02	Multipurpose Grease Spray, Motorcraft P/N XG-4, Spec. ESB-M1C93-B
SE037	GM P/N 12345982	SL044	IDEMITSU K17 (Jatco 3100 PL085)	SL099	Texaco ETL-7045 E or BMW P/N 83 22 0 026 922	SLS03	Paterbilt Multipurpose Spray Lubricant
SE038	Ford Spec. WSS-M2C931-A	SL045	Isuzu Genuine ATF Automatic Transmission Fluid	SL100	Texaco ETL-8072 B or BMW P/N 83 22 0 024 359	SM	Motor Oil, API Service SM
SE039	Material Standard MS-10902 (Cummins CES 20081)	SL046	Kia SK ATF SP-IV, Michang ATF SP-IV, NOCA ATF SP-IV or Kia SP-IV ATF Landini MF R 12640, SAE J171R (red)	SL101	Texaco N402	SN	Motor Oil, API Service SN
SE040	MB Sheet 228.51 or 229.51	SL047	LHM Mineral Brake Fluid (green), P/N 3405 389 M1 (HSMO)	SL102	Toyota P/N 08886-02206	SP	Speedometer Cable Lubricant
SE041	MB Sheet 229.3 or 229.5	SL048	Mazda ATF FZ	SL103	Toyota Suspension Fluid, AHC	TC	Two-Cycle Oil for Air-Cooled Engines
SE042	Porsche C30 or VW 504 00	SL049	Mazda ATF M-V (Spec. Mazda MES MN 117C)	SL104	Volvo P/N 31 256 774 (1 liter) or 31 256 775 (4 liter)	TC-W	Two-Cycle Oil, NMMA (BIA) TC-W
SE043	MB Sheet 228.3, 228.5, 229.3 or 229.5	SL050	MB Sheet 235.20	SL105	Mopar P/N 68171866AA (same as SL153)	TC-WII	Two-Cycle Oil, NMMA (BIA) TC-WII
SE044	MB Sheet 229.3, 229.31, 229.5 or 229.51	SL051	MB Sheet 235.8	SL106	Diamond Queen ATF-J3	TC-W3	Two-Cycle Oil, NMMA (BIA) TC-W3
SE045	Audi/Volkswagen Standard 501 01 or 505 00	SL052	MB Sheet 236.1	SL107	Saob P/N 93 165 388	TIV	JWS 3309 Automatic Transmission Fluid
SE046	MB Sheet 229.5 or 229.51	SL053	MB Sheet 236.10	SL108	ATF Z1 Automatic Transmission Fluid, Saturn P/N 22717466	TO-4	Transmission Oil, TO-4
SE047	NISSAN Genuine NISSAN Ester Engine Oil	SL054	MB Sheet 236.12	SL109	Hyundai SP-IV-RR, P/N 00232-19052	TO-A	Manual Transmission Fluid
SE048	Jaguar spec STJLR.51 5122	SL055	MB Sheet 236.13	SL110	Synthetic Manual Transmission Fluid, Saab P/N 87 48 733	TTA	Type T Automatic Transmission Fluid
SE049	Chrysler Material Standard MS-12633	SL056	MB Sheet 236.14	SL111	Saob P/N 931 65 383	TU	Super Tractor Oil Universal (STOU)
SE050	Chrysler Material Standard MS-12991	SL057	MB Sheet 236.15	SL112	Saob P/N 192 56 804	VDS	Motor Oil, Volvo Drain Specifications
SE051	Ford Spec. WSS-M2C947-A	SL058	MB Sheet 236.15	SL113	Mercedes Benz P/N 000 989 91 03	VDS-2	Motor Oil, Volvo Drain Specifications 2
SE052	Ford Spec. WSS-M2C931-B	SL059	MB Sheet 236.41	SL114	Mopar AW-1 P/N 68092912AA	VDS-3	Motor Oil, Volvo Drain Specifications 3
SE053	Mobil 1 Synthetic 0W-40	SL060	MB Sheet 236.6	SL115	Audi/VW P/N G 055 145 S2	VDS-4	Motor Oil, Volvo Drain Specifications 4
SE054	ACEA C3 Synthetic Low Ash meeting Chrysler Material Standard MS-11106	SL061	MB Sheet 236.7	SL116	Volvo Gearbox Oil P/N 1161540-8	VTA	Variable Transmission Fluid Additive
SE055	MB Sheet 229.52	SL062	MB Sheet 236.8	SL117	Harley Davidson P/N 99887-84	VTF01	Genuine Honda CVT Fluid
SF	Motor Oil, API Service SF (Obsolete)	SL063	MB Sheet 236.81	SL118	Husqvarna P/N 51300	VTF02	Volkswagen/Audi P/N G 052 180 A2
SG	Motor Oil, API Service SH (Obsolete)	SL064	MB Sheet 236.9	SL119	New Holland Master-Tran (MAT 3505)	VTF03	Volkswagen/Audi P/N G 052 516 A2
SH	Motor Oil, API Service SH (Obsolete)	SL065	Mitsubishi Diamond SP-III Automatic Transmission Fluid	SL120	Spec No. M6C59-A, P/N 86541699DS	VTF04	Mopar CVTF-4, P/N 05191184AA (32 oz.)
SJ	Motor Oil, API Service SJ	SL066	Mobilube PTX Formula A (75W-90)	SL121	Rockwell Spec. 0-81	VTF05	Motorcraft P/N XT-7-QCFT, Ford Spec. WSS-M2C933-A
SL	Motor Oil, API Service SL	SL067	Mopar ASRC Automatic Transmission Fluid	SL122	Eaton E500 synthetic	VTF06	Honda CVTF, P/N 08200-9006
SL001	P/N 08200-9008 (ATF-DW-1 Fluid)	SL068	Mopar BW 44-40 Transfer Case Lubricant, P/N 68049954AA	SL123	Mobil SHC 50 (RN 2952E-2) Transmission Fluid	VTF07	Esso CVT EZL 799 Fluid, Mini P/N 83 22 0 136 376
SL002	P/N 08200-9001A (ATF-Z1)	SL069	C-Series Manual & Dual Dry Clutch Transmission Fluid, P/N 68092630AA (BOT350 M3, API GL-4 75W)	SL124	Anderol 766	VTF08	CVTF-J1
SL003	Accura Hypoid Gear Oil HGO-1 (GL-5 75W-85), P/N 08200-9014A	SL070	Mopar NVG 246 Automatic Transmission Fluid, P/N 05179014AA or equivalent	SL125	MB Sheet 235.20 or 235.8	VTF09	Nissan Matic W
SL004	Appolloil ATF RED-1K	SL071	Mopar P/N 05016796AB	SL126	Suzuki Matic D ATF	VTF10	Nissan CVT Fluid NS-2
SL005	ATF MobilFluid® LT	SL072	Mopar P/N 05127382AA or equivalent as listed on MB Sheet 236.10 and MB Sheet 236.12	SL127	AW-1	VTF11	Nissan CVT Fluid NS-3
SL006	Audi/Volkswagen P/N G 052 025	SL073	Mopar P/N 05016796AC meeting MS-10216 or MobilFluid® 424	SL128	MB Sheet 236.10, 236.12 or 236.14	VTF12	DEX-CVT® Fluid, Saturn P/N 22688912
SL007	Audi/Volkswagen P/N G 052 182 A2	SL074	Mopar Transfer Case Lubricant LX, P/N 05170055AA	SL129	Toyota Genuine Gear Oil Special II	VTF13	Toyota Genuine CVT Fluid TC
SL008	Audi/Volkswagen P/N G 052 190 A2	SL075	Mopar Transfer Case Lubricant, P/N 68089195AA	SL130	MTF-LT-5 BMW P/N 83 22 2 239 645	VTF14	Subaru CVTF for Lineartronic, P/N K0425Y0710
SL009	Audi/Volkswagen P/N G 052 529 A2	SL076	Mopar ZF 8 & 9 Speed Automatic Transmission Fluid, P/N 68218925AA which (previously P/N68157995AA and P/N 68157995AB)	SL131	GM P/N 88863349	VTF15	Variable Transmission Fluid, Suzuki CVT Fluid Green 1 or Shell Green-1 V
SL010	Audi/Volkswagen P/N G 052 536 A2	SL077	Nippon AW-1 ATF	SL132	MB P/N A001 989 23 03 11	VTF16	Diamond Queen CVTF-J4
SL011	Audi/Volkswagen P/N G 052 990 A2	SL078	Nissan Fluid A	SL133	GM P/N 88900401 (Synthetic GL-5 75W-90)	VTF17	ACDelco CVT Fluid P/N 19260800
SL012	Audi/Volkswagen P/N G 055 005 A2	SL079	Nissan Matic D	SL134	Audi/Volkswagen P/N G 060 175 A2	VTF18	TOYOTA Genuine CVT Fluid type FE
SL013	Audi/Volkswagen P/N G 055 145 A2	SL080	Nissan Matic J Transmission Fluid, P/N 999MP-MTJ00P	SL135	Audi/Volkswagen P/N G 052 171 A2	VTF19	Honda Genuine HCF-2 Transmission fluid P/N 08200-HCF2
SL014	Audi/Volkswagen P/N G 055 162 A2 or A6	SL081	Nissan Matic J Transmission Fluid, P/N 999MP-MTJ00P	SL136	Audi/Volkswagen P/N G 055 190 A2	VTF20	Subaru P/N SOA868V9245
SL015	Audi/Volkswagen P/N G 055 540 A2			SL137	Audi/Volkswagen P/N G 052 172 -A1	VTF21	Subaru High Torque CVT oil P/N K0421Y0700
SL016	Audi/Volkswagen P/N G 060 162 A2			SL138	Porsche P/N 000 043 303 00	WG	Waterproof Grease
SL017	BMW P/N 83 22 2 163 514			SL139	Porsche P/N 000 043 304 00	WS	JWS 3324 Automatic Transmission Fluid
SL018	BMW P/N 83 22 2 282 583			SL140	Porsche P/N 958 300 540 00		
SL019	Castrol BOT350 M3			SL141	Audi/Volkswagen P/N GUS 00 162 (ATF+4)		
SL020	Castrol BOT89 M1 Fluid			SL142	Castrol Bot 533		
SL021	Castrol Transmax J, or Aporoil ATF HP			SL143	GM P/N 88863089, DEXRON Gear Fluid or equivalent meeting GM Spec. 9986285		
SL022	Castrol Transynd Fluid or TES 295			SL144			
SL023	Caterpillar MTO (SAE 10W-30), P/N 105-3335			SL145			
SL024	Dia Queen ATF-J2			SL146			
SL025	Diamond ATF SP-III, SK ATF SP-III						
SL026	Dual Clutch Transmission Fluid Motorcraft P/N XT-11-QDC, Ford Spec. WSS-M2C200-02						

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