

# AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

#2

AIRCRAFT

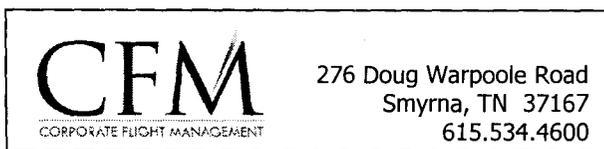
1. Nationality and Registration N509 SR
2. Manufacturer's Designation CIRRUS DESIGN CORP. SR-22
3. Manufacturer's Serial Number 2180
4. Type Approval or Specification Number \_\_\_\_\_
5. Date of Manufacture OCTOBER 2006
6. Aircraft Inspection Cycle \_\_\_\_\_



# ENGINEERING RECORD

1

MODEL: SR22  
S/N: 2180  
REG. No: N509SR



DATE: 11-01-2010  
HOBBS: 1936.3  
TACH: 1707.7

## Aircraft

### Inspections:

-Complied with Annual Inspection IAW AMM 5-00.

### SB's:

-SB 2X-32-19R2 (*Nose Landing Gear Inspection and Reinforcement*) complied with SB by installing kit P/N 70238-001 per SB instructions. **Next Visual inspection: TACH 1807.7**

### AD's:

-AD 2009-26-01 (*Anti-Ice Fluid Distribution lines*) N/A per aircraft S/N.

### Maintenance Accomplished:

- Removed and replaced #2 batteries with new P/N 21063-001, IAW AMM 24-00. Ops check good.
- Removed and replaced Aircraft main battery with new P/N RG24-15M S/N 40384268, IAW AMM 24-00.
- Removed and replaced CAPS Line Cutters with new P/N 25347-001, IAW CAPS CMM. **Expires Date: 7/2016.**
- Removed and replaced Ring Line cutter with new P/N 25378-001, IAW CAPS CMM.
- Installed Nose Landing Gear P/N 14082-004 S/N 4953, torqued, safetied, and attached bolts, IAW AMM 32-20.
- Re-installed LH and RH wings to fuselage Aft attach brackets onto fuselage, IAW AMM 57-10.
- Installed LH Wing O/B TKS panel onto leading edge and applied edge sealant all IAW AMM 30-00.
- Installed RH Wing O/B TKS panel onto leading edge and applied edge sealant all IAW AMM 30-00.
- Removed and replaced LH main tire with new P/N 156E66-4 S/N 00992104, IAW AMM 32-40.
- Removed and replaced RH main tire with new P/N 156E66-4 S/N 01042104, IAW AMM 32-40.
- Re-installed nose wheel pant IAW AMM 32-00.
- Repaired and painted LH and RH main wheel pants IAW AMM 20-00. Installed LH and RH wheel pants IAW AMM 32-00.
- Installed LH side engine baffle P/N 15475-002, RH side P/N 15471-003, LH lower P/N 15486-004, Front lower P/N 15487-006, And Aft RH P/N 15488-001, all engine baffle new, IAW AMM 71-00.
- Installed new LH flap P/N 16891-001 S/N 1692, IAW AMM 57-00.
- Installed new RH flap P/N 16891-002 S/N 1684, IAW AMM 57-00.
- Installed LH Aileron P/N 10758-107 S/N 4058 and LH hinge P/N 11775-902, IAW AMM 27-00.
- Installed RH Aileron P/N 10758-108 S/N 4099, IAW AMM 27-00.
- Installed LH and RH Elevators IAW AMM 27-30.
- Removed PFD P/N 700-00006-000 S/N 20146037 and was sent to Avidyne for repair. Reinstalled PFD P/N 700-00006-000 S/N 20146037, IAW AMM 34-00.
- Reinstalled DAU IAW AMM 34-00.
- Removed and replaced Rudder with new P/N 20365-403, IAW AMM 55-00.
- Installed Avidyne PFD P/N 700-00006-000 S/N 2046037, IAW AMM 34-00.
- Installed new air conditioner evaporator P/N 1133150-15, IAW AMM 21-00.
- Installed new drive shaft for air conditioning compressor P/N 1133175-2, IAW AMM 21-00.
- Tested start up voltage to existing roll trim servo motor and re-installed, IAW AMM 27-00. Ops check good.
- Removed and replaced Limit Switch for roll trim motor P/N UM50E10D01, IAW AMM 27-00.
- Tested start up voltage to pitch trim motor and re-installed, IAW AMM 27-00. Ops check good.
- Removed and replaced transponder antenna with new P/N 12739-001, IAW AMM 23-00.
- Removed and replaced LH brake disc with new P/N 164-02504, IAW AMM 32-40.
- Re-apply Copper tape P/N 50379-002 as needed to internal areas of fuselage aft floor section, IAW AMM 51-00.
- Installed nut for upper puck pan attach point and spacers for lower attach point. Nose landing gear puck pan assembly installed IAW AMM 32-00.
- Cleaned, inspected, repacked, and reinstalled bearings in nose wheel halves, IAW AMM 32-40.
- Installed nose wheel tire tube P/N 302-013-400 and new tire P/N 505c66-5 S/N 00332168, IAW 32-40.
- Installed nose wheel fork P/N 11633-005 with new thrust washer P/N 50545-001, new set screw P/N 51183-426, new upper Bearing P/N 50544-001, and new lower bearing P/N 50543-001, IAW AMM 32-00.
- Installed new nose landing gear axle P/N 10024-003, IAW AMM 32-00.
- Removed engine exhaust system P/N 14836-0011RP and sent to Planexhaust Corp. for overhaul. Reinstalled exhaust System P/N 14836-0011RP, IAW AMM 78-00.
- Removed and replaced Alternate air bracket with new P/N 18293-001, IAW AMM 20-00.
- Installed rear seat Aft attach point doubler plates onto aft floor section, IAW AMM 51-00.
- Installed rear seat forward attach point pins onto rear floor section, IAW AMM 51-00.
- Repaired and installed annunciator wires and connectors, IAW AMM 20-00. Ops check good.
- Repaired front middle baffle and LH front engine baffle with doublers made from .032 2024T3. Installed over cracks with rivets. Installed new baffle seal on LH front baffle, IAW AMM 20-00 and AC43131b.
- Removed Electrical Fuel boost pump P/N 5217-00-3 S/N 2982 and sent to Dukes Inc. for overhaul. Reinstalled Electrical Fuel boost pump P/N 5217-00-3 S/N 2982, IAW AMM 28-00. Ops check good.
- Removed and replaced alternate air cable with new P/N 14067-002, IAW AMM 76-00.
- Installed spaced P/N 11268-001 at Aft Pitch trim cartridge Aft attach point and safetied, IAW AMM 27-00.
- Removed and replaced ELT batteries with new P/N MN1300, IAW AMM 25-00. Inspected ELT IAW FAR91.207(d). Ops check good. **Batteries expire March 2016.**
- Installed new Comm 2 antenna P/N 12741-001 S/N 326808, IAW AMM 34-50.
- Installed TKS fluid tank, fittings, hoses, and filler part, IAW AMM 30-00.

## AIR TIME AND

- Splice repaired magnetometer wire harness at connector J729, IAW AMM 20-10.
- Reinstalled Avionics in radio rack and tested, IAW AMM 34-00 and 42-00. Ops check good.
- Removed decals and prepped for paint IAW AMM 20-00.
- Installed Nose Wheel pant brackets P/N 11799-003, IAW AMM 32-20.
- Reconnected LH and RH brake lines at spar box unions, IAW AMM 32-40. Connected LH and RH brake calipers IAW AMM 32-00. Bled brake system and leak check good, IAW AMM 32-00.
- Replaced LH and RH brake caliper o-rings with new P/N M83461-1-222, IAW AMM 32-00.
- Replaced LH brake linings with new P/N 066-06200, IAW AMM 32-00.
- Reinstalled Aileron, rudder and Elevator control cables. Installed and safetied cable pulley guards. Adjusted cable tensions and Riggged neutral positions. Installed safety clips in all cable turn buckles, IAW AMM 27-00.
- Replaced LH and RH bleeder screws on seats, IAW AMM 32-00.
- Removed #1 Garmin 430 P/N 011-00280-10 S/N 97130359 and sent to Garmin for **WAAS software** upgrade. Re-installed #1 Garmin 430 P/N 011-00280-10 S/N 97130359 IAW STC SA01933LA instructions. Ops check good.
- Removed PFD P/N 700-00006-00 S/N 20146037 and sent to Avidyne for **software R7** to be installed. Re-installed PFD IAW Avidyne PFD installation manuals.
- Removed #1 factory installed Garmin GA 56 GPS antenna from under glareshield and installed GA 35, P/N 013-00235-00 IAW Garmin STC SA01933LA and AC 43-13.
- Removed existing GPS antenna cables and installed new IAW Garmin STC SA01933LA.
- Installed Garmin STC SA01933LA IAW instructions and Garmin 400W Installation manual. Updated aircraft POH and Submitted FAA 337 Forms.
- Replaced ELT wire harness P/N20220-102 with new, IAW AMM 25-60.
- Splice repaired Freon A/C condenser wire harness, IAW AMM 20-10.
- Installed LH aileron, rudder/aileron interconnect bungee cord, and add spacer P/N 12472-002, IAW AMM 27-00.
- Attached auto-pilot control Bridal cables and adjusted cable tension, IAW AMM 22-11.
- Repaired LH and RH fuselage at approx. FS 180 and RH wing OB leading edge cuff repair and LH OB wing lower Surface repair have been filled, sanded, and prepped for paint, IAW AMM 51-00.
- Installed landing light ballast P/N 12580404, IAW AMM 33-00.
- Installed LH upper landing gear fairing P/N 14538-001, IAW AMM 32-00.
- Installed RH upper landing gear fairing P/N 14538-002, IAW AMM 32-00.
- Installed LH wings walk P/N 12683-004 and applied gap seal P/N 14390-002, IAW AMM 57-00.
- Installed RH wings walk P/N 12683-005 and applied gap seal P/N 14390-002, IAW AMM 57-00.
- Installed MCU grounding strap P/N 13929-002, IAW AMM 24-00.
- Replaced J300 LH wing wiring harness connector with new P/N 225395-6 and pins P/N 50254-001, IAW AMM 20-00.
- Replaced J400 RH wing wiring harness connector with new P/N 225395-1 and pins P/N 50254-001, IAW AMM 20-00.
- Replaced fuselage wiring harness connectors J666 and J667 with new P/N 225395-6 and P/N 225395-1, IAW AMM 20-00 and AMM 24-00.
- Installed LH and RH flap torque tubes and flap drive end fittings, IAW AMM 27-50.
- Installed new clamp and secured wire bundle and ground wires at RH FWD access panel next to spar box, IAW AMM 51-00.
- Installed navigation lights with new base plates P/N 02-0350259-00, navigation light P/N 02-0350260-00 and wire harness P/N CMA7512-24, IAW AMM 33-00. Ops check good.
- Installed strobe light with new base plates P/N 02-0350259-00, strobe P/N 36-0050705-00 and wire harness CMA7512-24, IAW AMM 33-00. Ops check good.
- Installed new #2 Exhaust risers P/N 15072-001, IAW AMM 78-00.
- Reinstalled exhaust risers #1, #3, #4, and #6 after they were sent for repair by Dawley Aviation. Installed heat exchanger and tailpipe, IAW AMM 78-00.
- Reconnected fuel selector valve lines at AFT side of spar box, IAW AMM 28-00. No leak noted.
- Repaired upper AFT area on RH cabin door flange with filler paste, cured repair area and filled to restore contour, IAW AMM 51-00.
- Reinstalled LH and RH wing to fuselage AFT attach brackets onto fuselage, IAW AMM 57-10.
- Repaired and reinstalled Comm 2, Marker Beacon, and VOR Antenna cables at access area CF3L, IAW AMM 20-00.
- Repaired pitot system tube at wing root just inside fuselage, IAW AMM 34-00 and AMM 51-00.
- Repaired cut stall system tube in access area CF2R, IAW AMM 34-00 and 51-00.
- Repaired RH cut TKS line at wing roots just inside the fuselage, IAW AMM 30-00 and AMM 51-00.
- Replaced LH TKS line with new P/N 15168-002, IAW AMM 30-00 and AMM 51-00.
- Reinstalled Freon AC condenser and condenser fan, IAW AMM 21-00.
- Installed Freon AC pressure switch P/N 1250232-14 S/N 1429, IAW AMM 21-00.
- Replaced fuel hoses fire wall FWD with new P/N SR22/engine hose kit, IAW AMM 28-00.
- Splice repaired #2 Battery wires at access area CF3L. Routed and secured #2 Battery wires, IAW AMM 20-00.
- Reinstalled Belly Close out panel, IAW AMM 57-10.
- Repaired RH IB fuel level sender and routed new wire harness through wing conduit. Installed terminal than attached to Fuel sender, installed pins and attached to connector J400, IAW AMM 20-00.
- Installed new tow bar lugs P/N 11869-001, IAW AMM 32-00.
- Reinstalled seat track AFT attach brackets to AFT side of spar box, IAW AMM 53-00.
- Reinstalled SkyWatch box P/N 805-10800-001 S/N 84170, IAW AMM 34-00. Ops check good.
- Installed LH and RH wing root fairings and RH elevator root fairing, IAW AMM 57-00.
- Replaced LH missing fuel cap with new P/N 50525-101, IAW AMM 27-00.
- Reinstalled interior panels, IAW AMM 25-00.
- Mounted magnetometer IAW AMM 34-20.
- Removed auto-pilot box and replaced with serviceable unit P/N 01192-34-61T-30 S/N 0834-13766, IAW AMM 22-00.

### Calibration Test

Altitude (feet)	Tolerance ± (feet)	Indicated (feet)
-1000	20	-990
0	20	0
500	20	490
1,000	20	1,000
1,500	25	1,480
2,000	30	1,980
3,000	30	2,980
4,000	35	3,980
6,000	40	5,980
8,000	60	7,970
10,000	80	9,960
12,000	90	11,950
14,000	100	13,940
16,000	110	15,940
18,000	120	17,900
20,000	130	19,900
22,000	140	X
25,000	155	
30,000	180	
35,000	205	
40,000	230	
45,000	255	
50,000	280	

Position: PFO  
 S/N: 2046037  
 Date: 11/1/10  
 W.O. No: 19095

Calibration Test		
Altitude (feet)	Tolerance ± (feet)	Indicated (feet)
-1000	20	-1,000
0	20	0
500	20	490
1,000	20	1,000
1,500	25	1,490
2,000	30	1,980
3,000	30	2,980
4,000	35	3,970
6,000	40	5,970
8,000	60	7,960
10,000	80	9,950
12,000	90	11,940
14,000	100	13,930
16,000	110	15,920
18,000	120	17,900
20,000	130	19,900
22,000	140	
25,000	155	
30,000	180	
35,000	205	
40,000	230	
45,000	255	
50,000	280	
Position: <u>Standby</u> S/N: <u>455959</u> Date: <u>11/1/10</u> W.O.No: <u>19095</u>		

- Installed all exterior panels with new hardware, IAW AMM 20-00.
- Removed and replaced memory battery in the #2 GNS 430 with new P/N 360-00009-00, IAW Garmin CMM.
- Crimped on coax connector FWD and AFT to reattached Comm 2 Antenna Coax, IAW AMM 20-00.
- Removed paint on LH and RH rear wing mount, prep for paint, and reattached bonding straps, IAW AMM 20-00 and AMM 57-00.
- Reattached throttle linkage in control quadrant, IAW AMM 76-00.
- Installed Velcro in multiple areas for carpet installation, IAW AMM 70-00.
- Installed interior trim and rear seat belts IAW AMM 20-00.
- Removed and replaced Ignition Switch with new P/N 19537-001, IAW AMM 74-00.
- Installed PAX headset jacks P/N 51208-002 and P/N 50297-001, IAW AMM 23-00.
- Purged A/C system of all moisture and dirt then serviced, IAW AMM 21-00.
- Installed landing light with new lens P/N 17298-001 and retainer P/N 17299-001, IAW AMM 33-00. Ops check good.
- Complied with Weight and Balance IAW AMM 8-00.
- Installed camlocks and strut seal for cowling, IAW AMM 71-00.
- Installed anti-skid on cabin entry step P/N 12683-006, IAW AMM 53-00.
- Prepared aircraft for test flight IAW AMM 71-00 and AMM 4-00.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order №19095.

Signed: *R. D. Dale*

For: **Corporate Flight Management, Inc.** Certified Repair Station **FJTR920D** Form CFM 007

MODEL: SR22  
S/N: 2180  
REG. No. N62CH

**CORPORATE FLIGHT MANAGEMENT, INC.**  
625 FITZHUGH BLVD.  
SMYRNA, TN 37167 (615) 459-8883

DATE: 11-01-2010  
TSN: 1707.7  
Hobbs: 1936.3

**Airframe**

I certify that the altimeters:

ADC,	Left,	Right,
Mfg. _____	Mfg. <u>AVIDYNE</u>	Mfg. <u>UNITED</u>
PN# _____	PN# <u>700-00006-000</u>	PN# <u>5934D-3</u>
SN# _____	SN# <u>2046037</u>	SN# <u>455959</u>

/have been tested, inspected and found to comply with Appendix E, para. b of FAR 43. The altimeters were tested to a maximum altitude of 20,000 feet.

I certify that the ATC transponder #1 Mfg. GARMIN Model GTX - 330 PN# 011-00455-00 SN# 84122967 has been test, inspected and found to comply with Appendix F of FAR 43.

The altitude reporting correspondence checks required have been performed to 20,000 feet.

This aircraft meets criteria outlined in FAR, part 43, Appendix E, Para. c.

I certify that the static system pilot's/copilot's were tested and inspected and found to comply with Appendix E para. a of FAR 43. This aircraft or component has been inspected and work described above found airworthy for return to service.

Signed: *R. D. Dale*

For: **Corporate Flight Management, Inc.** Certified Repair Station **FJTR920D**

MODEL: SR22  
S/N: 2180  
REG. No: N509SR

**CFM**  
CORPORATE FLIGHT MANAGEMENT  
276 Doug Warpoole Road  
Smyrna, TN 37167  
615.534.4600

DATE: 1-17-2011  
HOBBS: 1958.8  
TACH: 1725.8

**Aircraft**

**Maintenance Accomplished:**

- Installed new rub strips on both flaps, IAW AMM 57-00.
- Removed and reinstalled LH flap bolts, IAW AMM 57-00.
- Removed and replaced pilots cup holder with new P/N 51179-001, IAW AMM 25-00.
- Applied TKS panel sealant on horizontal to prevent paint peel, IAW AMM 20-00.
- Reattached RH main landing gear fairing stand-off, IAW AMM 20-00.
- Serviced TKS fluid, IAW AMM 12-00.
- Removed auto-pilot and checked pins and connectors. Reinstalled auto-pilot, IAW AMM 22-00. Ops check good.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order №19561.

Signed: *R. D. Dale*

For: **Corporate Flight Management, Inc.** Certified Repair Station **FJTR920D** Form CFM 007

**AIR TIME AND**

MODEL: SR22  
S/N: 2180  
REG. No: N509SR

 CORPORATE FLIGHT MANAGEMENT	276 Doug Warpoole Road Smyrna, TN 37167 615.534.4600
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DATE: 1-21-2011  
HOBBS: 1975.8  
TACH: 1740.7

**Aircraft**

**Maintenance Accomplished:**

- Removed MCU cover, torqued airframe ground lug and reinstalled ground cable and MCU cover, IAW AMM 24-00.
- Cleared obstruction in stall warning pneumatic line between water trap tee and stall warning port in RH wing, IAW AMM 27-31.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 19659.

Signed: *[Signature]*

For: **Corporate Flight Management, Inc.**      **Certified Repair Station**      **FJTR920D**      Form CFM 007


MODEL: SR22  
S/N: 2180  
REG. No: N509SR

 CORPORATE FLIGHT MANAGEMENT	276 Doug Warpoole Road Smyrna, TN 37167 615.534.4600
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DATE: 3/11/2011  
HOBBS: 2000.0  
TACH: 1760.8

**Airframe**

**Maintenance:**

- Removed and replaced Fuel Quantity Indicator with new P/N 13557-001 S/N 2215, IAW AMM 28-00.
- Removed and replaced Left Position Light lamp with new P/N 34-0428070-64, IAW AMM 33-00.
- Installed new Inspection Hole cover on nose wheel fairing P/N 50498-200-05, IAW AMM 32-30.
- Repaired "Pull to cage" knob installed on Gyro, IAW AMM 34-20.
- Installed CAPS interior cover P/N 14265-002, IAW Cirrus SR22 MM.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 19829.

Signed: *[Signature]*

For: **Corporate Flight Management, Inc.**      **Certified Repair Station**      **FJTR920D**      Form CFM 007


MODEL: SR22  
S/N: 2180  
REG. No: N509SR

 CORPORATE FLIGHT MANAGEMENT	276 Doug Warpoole Road Smyrna, TN 37167 615.534.4600
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DATE: 3/03/2011  
HOBBS: 1975.8  
TACH: 1740.7

**Airframe**

**Maintenance:**

- Removed and replaced RH Fuel sensor unit with new P/N 13467-002, IAW AMM 28-00.
- Tightened Nose Wheel Spindle nut, IAW AMM 32-00.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 19659.

Signed: *[Signature]*

For: **Corporate Flight Management, Inc.**      **Certified Repair Station**      **FJTR920D**      Form CFM 007


CARRIED FORWARD

ENGINEERING RECORD

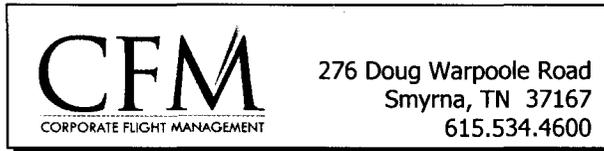
INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

MODEL: SR22  
S/N: 2180  
REG. No: N62CH



DATE: 5/5/2011  
HOBBS: 2016.7  
TACH: 1775.4

Aircraft

Inspections:

- Complied with Annual Inspection IAW AMM 5-00.
- Complied with ELT inspection IAW FAR 91.207(d) Batteries expire March 2016.

SB's:

-None due at this time.

AD's:

-None due at this time.

Maintenance Accomplished:

- Drilled and extracted tow lug and replaced with new P/N 11869-001.
- Removed tail # N509SR and changed to N62CH IAW AMM 11-00.
- Prepped and resealed leading edge wing panels with seam sealer P/N 51329-002U.
- Removed L/H wing tip and found strobe light power supply disconnected. Reconnected and ops check good IAW AMM 33-00.
- Repaired L/H front baffle with doubler patch IAW AC43.13 1b.
- Re-secured R/H mid gear fairing standoff IAW AMM 32-00.
- Re-secured L/H and R/H wing root fairings IAW AMM 57-00.
- Replaced missing wellnuts and screws on L/H and R/H upper MLG fairings IAW AMM 32-00.
- Replaced orings for evaporator high pressure line, serviced system, and ops check good IAW AMM 21-00.
- Removed and replaced roll trim servo with overhauled unit P/N 14546-003 S/N H1103834 IAW 27-00.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order №19961.

Signed: *[Signature]* 1176

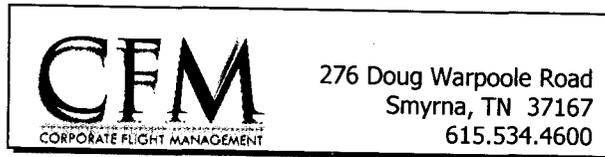
For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

Form CFM 007

MODEL: SR22  
S/N: 2180  
REG. No: N62CH



DATE: 5/5/2011  
HOBBS: 2016.7  
TACH: 1775.4

Airframe

Maintenance:

- Removed Garmin 430 P/N 011-00280-10 S/N 97130359 and replaced with Garmin 430 P/N 011-00280-10 S/N 97132813 IAW AMM 34-00.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order №19961.

Signed: *[Signature]*

For: Corporate Flight Management, Inc.

Certified Repair Station

FJTR920D

Form CFM 007

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

BROUGHT FORWARD

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH      Cirrus      SR22      S/N: 22-2180      Airframe Log Entry

7 May 2011      Flight Hobbs Meter: 1784.1      Hobbs Meter: 2028.4

Corrected turn coordinator left slip skid indication by adjusting rudder aft bellcrank control rod-end bearing as needed to center ball. Torqued rod end hardware and installed new safety. Adjusted elevator cables lengths as needed to allow for full elevator deflection and set cables to specified tensions. Installed new elevator turnbuckle safeties and verified surface travels and deflections

*L. John Wells*      L. John Wells A&P 3221132      w/o 30557

MODEL: SR22  
S/N: 2180  
REG. No: N62CH

CFM

CORPORATE FLIGHT MANAGEMENT

276 Doug Warpoole Road  
Smyrna, TN 37167  
615.534.4600

DATE: 5/6/2011  
HOBBS: 2016.7  
TACH: 1775.4

**Airframe**

**Maintenance:**  
Updated Garmin 430 P/N 011-00280-01 S/N 97126327 software IAW Garmin SB 0844 and Garmin SB 0502.

The airframe identified above was inspected and repaired in accordance with the current Federal Aviation Regulations and is approved for return to service with only with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Work Order No 19961.

Signed: *[Signature]*  
For: **Corporate Flight Management, Inc.**      **Certified Repair Station**      **FJTR920D**      Form CFM 007

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH      Cirrus      SR22      S/N: 22-2180      Airframe Log Entry

3 June 2011      Flight Hobbs: 1804.9      Hobbs Meter: 2057.8

Reinstalled nose gear using proper installation hardware and tightened bolt to specified torque and installed new safety. Set nose gear fork side tension and installed new safety. Installed new nose wheel caps and bearings P/N: 08125-20629 and P/N: 08231-20629 respectively. Packed bearings and balanced wheel assembly and reinstalled using new safety.

*[Signature]*      Michael J. Nigro A&P 3443131      w/o 30622

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH      Cirrus      SR22      S/N: 22-2180      Airframe Log Entry

20 May 2011      Flight Hobbs: 1799.5      Hobbs Meter: 2049.5

Removed nose fork, cleaned and inspected spindle and fork bushing. Reassembled and adjusted fork side tension as required. Installed new safety.

*[Signature]*      L. John Wells A&P 3221132      w/o 30597

CARRIED FORWARD

1. Approving National Aviation Authority/Country:

# AUTHORIZED RELEASE CERTIFICATE

3. System Tracking Ref No.

FAA/UNITED STATES

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

RMA 32334278

4. Organization: GARMIN International 1200 E 151st Olathe, KS 66062 Certificate No. G6XR582Y

5. Work Order Contract/Invoice Number:  
RMA 32334278

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	GNS430W,Blk,Upgd	011-01060-40	N/A	1	97132813	INSPECTED

13. REMARKS Unit meets operational specifications on return issue. Confirmed all applicable hardware modifications have been implemented. Unit passes its ATE tests and is operating within normal limits. Unit acquired satellites. OK to Return to service

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- AE, Revision Date 6/30/2011. The Main and GPS softwares are at the latest revision. This unit complies with Service Bulletins No. 0740, 0808, 0818, 0848, 0918, and 0949. It is the responsibility of the Installer to verify that the installation complies with the previous listed Service Bulletins. If this unit is part of a dual unit installation Garmin recommends that both units have the same software levels. It is the responsibility of the installer to assess installation compatibility.

This unit complies with MOD 1 per Garmin's Service Bulletin No. 9905 and the Federal Aviation Administration Airworthiness Directive AD 2001-23-17.  
This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101  
This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B  
This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207  
This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211

All repaired or replaced GARMIN units have a 90-day warranty or the continuation of the original factory warranty from the original purchase date, whichever is longer.

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 13		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature N / A	16. Approval/Authorization No.: N / A	20. Authorized Signature: 	21. Approval/Certificate No.: G6XR582Y
17. Name (Typed or Printed) N / A	18. Date (m/d/y) N / A	22. Name (Typed or Printed) Donald Maddox	23. Date (m/d/y) Jul 08 2011

### User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

# GARMIN<sup>®</sup>

## FAA UNIT SERVICE REPORT

<b>RMA NUMBER</b>	<b>UNIT NAME</b>	<b>SERIAL NUMBER</b>	<b>UNIT NUMBER</b>
32334278	GNS430W,Blk,Upgd	97132813	011-01060-40
<b>SERVICE START DATE</b>	<b>SERVICE COMPLETION DATE</b>	<b>RETURNED TO SERVICE BY</b>	
7/7/2011	7/8/2011	1654	

**UNIT DISCREPANCY**

Vloc transfer key stuck message

**REPAIR SUMMARY**

Unit meets operational specifications on return issue. Confirmed all applicable hardware modifications have been implemented. Unit passes its ATE tests and is operating within normal limits. Unit acquired satellites. OK to Return to service.

This "Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is ready for release to service under EASA Part-145 Approval Number: EASA.145.5534". The work that was performed on this unit was done to meet the requirements of all sections of the maintenance manual part number 190-00364-00 Rev- AE, Revision Date 6/30/2011.

The Main and GPS softwares are at the latest revision. This unit complies with Service Bulletins No. 0740, 0808, 0818, 0848, 0918, and 0949. It is the responsibility of the Installer to verify that the installation complies with the previous listed Service Bulletins. If this unit is part of a dual unit installation Garmin recommends that both units have the same software levels. It is the responsibility of the installer to assess installation compatibility.

This unit complies with MOD 1 per Garmin's Service Bulletin No. 9905 and the Federal Aviation Administration Airworthiness Directive AD 2001-23-17.

- This unit complies with MOD 2 per Garmin's Service Bulletin No. 0101
- This unit complies with MOD 3 per Garmin's Service Bulletin No. 0203B
- This unit complies with MOD 4 per Garmin's Service Bulletin No. 0207
- This unit complies with MOD 5 per Garmin's Service Bulletin No. 0211

**FAA Approved Product**

This appliance has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. The details of the repairs to this appliance are on file at this repair station under the above listed RMA Number

  
 Donald Maddox  
 FAA Certified Repairman

7/8/2011  
 \_\_\_\_\_  
 Date

3155741  
 \_\_\_\_\_  
 Certificate Number

FAA Repair Station Number  
 G6XR582Y  
 \_\_\_\_\_

Warranty Information

**\* All repaired or replaced GARMIN units have a 90-day warranty or the continuation of the original factory warranty from the original purchase date, whichever is longer.**

1665.5

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD; ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH Cirrus

SR22

Serial No. 2180

Airframe Log Entry

14 June 2011

Flight Hobbs: 1810.2

Hobbs Meter: 2067.3

**50 Hour Inspection** completed this date using the Cirrus 50 hour inspection items as a guide. Serviced brake reservoir, TKS reservoir and #1 aircraft battery as needed. Cleaned and resealed fuel strainer. Installed two headset hooks at forward headliner. Lubed throttle control lever and cable. Installed new pilot's roll trim placard. Adjusted throttle rod end. Reglued stand-off to right main strut and glued washer to inside of fairing. Ground run operational check satisfactory.

L. John Wells A&amp;P 3221132

w/o 30665

LICENCE  
NUMBER

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH

Cirrus

SR22

S/N: 2180

Airframe Log Entry

15 July 2011

Flight Hobbs: 1837.9

Hobbs: 2106.6

Resealed right brake caliper as needed using new o-rings. Reinstalled caliper and bled brake system. Serviced brake reservoir as needed. Applied new temperature indicators. Operational and leak check satisfactory.

L. John Wells A&amp;P 3221132

w/o 30814

## ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K-6 Englewood, CO 80112 303.799.6289

N62CH Cirrus SR-22 sn: 2180

July 15, 2011

Hobbs: 2087.6

Garmin GNS 430W 011-01060-40 sn: 97132813

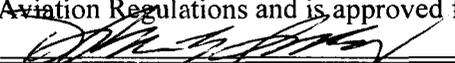
RMA 32334278

Installed Loaner GNS 430W which was configured for this aircrafts operational needs.

GNS 430 has been repaired and returned to service by Garmin International Inc. See Garmin WO #32334278 dated July 8, 2011 for details. See Garmin 8130-3 issued July 8, 2011.

Loaner unit removed and original unit reinstalled and configured.

The aircraft and/or component identified above has been inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed:  AV-02370

## ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N62CH

Cirrus

SR22

S/N: 22-2180

Airframe Total Time: 1865.4

24 August 2011

Flight Hobbs: 1865.4

Hobbs Meter: 2137.0

**100 Hour/Annual Inspection** completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. ELT remote arming switch and ACK Technologies E-01 ELT tested per FAR 91.207(d), no defects noted. **ELT battery due March 2016.** Lubricated pilot's and copilots rudder pedals, no further operational noise noted. Installed new cabin fire extinguisher bottle P/N: RTA400. Removed Com/Weather antenna P/N: CI 420-420, S/N: 152303 and installed new WAAS/XM antenna P/N: CI-428-410, S/N: 336075 and new ELT shield P/N: 18389-001. Completion of required fuselage composite repairs to the inside forward area of fuselage were made per Cirrus (SB) No. SB 2X-34-24 R4. New forward No. #1) antenna was installed in existing location of removed antenna using new installation hardware, right angle TNC connector, and sealed using RTV sealant. The installation of new WAAS/XM antenna is considered to be a minor repair and the Aircraft Weight and Balance have been changed to reflect this installation. Cleaned away residual oil from belly area below cabin floor and belly of fuselage using solvent. Repaired left outboard wing rib using composite type repair and removed bondline crack as needed and filled using PTM & W. Cured affected areas as necessary per Cirrus MM. Installed new aileron/ rudder interconnect bungee P/N: 12983-00, adjusted system rigging and verified surface travels and deflections. **Next aileron/rudder interconnect bungee replacement due August 2016.** Reinstalled flap actuator shaft collar and lubricated shaft assembly, operational check good. Cleaned and primed affected areas and reinstalled left and right wing lower wing root fairings using new Cirrus double-sided tape P/N: 50641-025U. Cleaned and inspected MCU Cannon plug pins and sockets.

(Page 1)

(Continued)

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLET</small>
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD

<b>ARAPAHOE AERO</b>
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
<b>N62CH Cirrus SR22 S/N: 22-2180 Airframe Total Time: 1865.4</b>
<b>24 August 2011 Flight Hobbs: 1865.4 Hobbs Meter: 2137.0</b>
(Continued) (Page 2)
<p>Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1) aircraft battery. Installed (6) new nose gear shock pucks P/N: 13386-001. Complied with <b>Cirrus (SB) No. SB 2X-32-19 R1 (Nose Landing Gear Upper Gusset Plate Inspection)</b> by inspecting the nose landing gear gusset plates for cracks as outlined in Service Bulletin. <b>Next nose landing gear inspection due Flight Hobbs: 1965.4.</b> Inspected nose gear fork assembly, set side tension and installed new safety. Cleaned, inspected and repacked all wheel bearings using Mobile SHC 100 grease. Installed new left main wheel outboard felt grease seal P/N: 154-01300. Installed new right main wheel brake caliper linings P/N: 066-06200. Repaired left main wheel fairing using composite type repair. Performed AmSafe post seat installation check, no defects noted. AD's checked through Biweekly 2011-17. Post inspection ground run-up and systems operational check good. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. <b>I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</b></p>
 <b>Scott S. Fisher A&amp;P 3290363 IA w/o 30906, 30795</b>

<b>ARAPAHOE AERO</b>
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
<b>N62CH Cirrus SR22 S/N: 22-2180 Airframe Total Time: 1865.4</b>
<b>24 August 2011 Flight Hobbs: 1865.4 Hobbs Meter: 2137.0</b>
<p>Repaired aft cabin floor per Cirrus Repair Deviation/Alteration Field Repair No. R10389, dated 08-16-2011. Surface to be repaired was prepared beyond the area of repair per Cirrus AMM 51-20, "Repair Surface Preparation". Filled voided seam on aft cabin floor using Epon 862 non-structural resin system with filler per Cirrus AMM 51-30. Used Hexcel 7781/F16 fabric and oriented repair piles +45/-45/+45 per figure #2) of wetlay repair maintaining minimum of 2.0 inches beyond ramp filler and butted up to aft longerons. Wetlay repair plies were applied to the exterior repair sections seam using structural resin system No. L285/H287 per Cirrus AMM 51-30. Repair was cured per Cirrus AMM 51-20, Figure 51-2011, using cure requirement for adhesive resin system. As per Listed Repair Deviation the work completed is considered to be a Minor Airframe Repair.</p>
 <b>L. John Wells A&amp;P 3221132 w/o 30906</b>

<b>ARAPAHOE AERO</b>
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
<b>N62CH Cirrus SR22 S/N: 2180 Airframe Log Entry</b>
<b>29 September 2011 Flight Hobbs: 1894.0 Hobbs: 2172.3</b>
<p>Resealed left brake caliper as needed using new o-rings. Reinstalled caliper and bled brake system. Serviced brake reservoir as needed. Applied new temperature indicators. Operational and leak check satisfactory.</p>
 <b>L. John Wells A&amp;P 3221132 w/o 31130</b>


CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT  
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE  
NUMBER

**ARAPAHOE AERO**  
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N62CH Cirrus SR22 S/N: 2180 Airframe Log Entry  
9 March 2012 Flight Hobbs: Hobbs:  
Installed new inspection panel on lower right wing.  
*L. John Wells* L. John Wells A&P 3221132 w/o 31649

**ARAPAHOE AERO**  
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
N62CH Cirrus SR22 S/N: 22-2180 Airframe Total Time: 1944.3  
19 January 2012 Flight Hobbs: 1944.3 Hobbs Meter: 2236.1  
100 Hour / Annual Inspection completed this date using the Cirrus Design SR22 Maintenance Manual Inspection Form as a guide. Adjusted pilot's and co-pilot's seat back recline locks to fully engage in the reclined position. Adjusted and secured aft right passengers seat back cushion on frame. Adjusted pilot's and co-pilot's entry door latches. Installed new vertical stabilizer close-out tape. Inspected, cleaned, resealed, and leak checked fuel strainer. Serviced and charged #1 aircraft battery. Cleaned affected areas and affixed right main gear strut fairing Click-Bond fastener. Repaired right main wheel fairing axle bolt hole using composite type repair. Cleaned aircraft exterior, cleaned windscreen and cabin windows and vacuumed seats and interior. Complied with Cirrus (SB) No. SB 2X-32-19 R1 (Nose Landing Gear Upper Gusset Plate Inspection) by inspecting the nose landing gear gusset plates for cracks as outlined in Service Bulletin. Next nose landing gear inspection due Flight Hobbs: 2044.3. AD's checked through Biweekly 2012-01. Post inspection ground run-up and systems operational check good. **I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**  
*L. John Wells* L. John Wells A&P 3221132IA w/o 31469

02 May 2012 N62CH SR22  
Hobbs 2314.3 SN 2180  
Flight 2012.1  
50 hr inspection complied with IAW  
Cirrus MM inspection list. No defects  
noted at this time. Operational  
and leak check good. Aircraft ok  
for service.  
Joshua J. Van Lanprool A&P 2817060

NOT USED

## AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
6-19-2012	2349	6	2042	5	<p>Completed a 100 Hour inspection IAW Cirrus M.M. inspection guide and FAR 43 App. D. Remove inspected and re-packed right main gear caliper. No defects noted installed <sup>caliper</sup> and installed new yellow brake temp sensor P/N: D51698-003 Replaced induction filter with new P/N: BA-24 Bleed right brake caliper and serviced brake fluid reservoir with MIL-5606. Cleaned inspected and re-installed governor. Cleaned inspected <del>repacked</del> and re-installed wheel assemblies. C.W. Cirrus SB2X-32-19R1 NLG Upper Gusset Plate Inspection no defects noted. AD's checked through Bi-weekly 2012-01. Operational and leak checks good.</p> <p>I certify that this aircraft has been inspected IAW an 100 HR inspection and was determined to be in an airworthy condition</p> <p>Manterpool AP2817060 — END —</p>

CARRIED FORWARD



ROCKY MOUNTAIN AIRCRAFT SERVICES LLC  
11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 10-26-2012  
Acraft Reg: N62CH  
Flight Tach: 2125.2  
ACTT: 2125.2  
**AIRFRAME**

CENCE  
JMBER

Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Inspected and lubed as required all flight control surfaces, rod-ends, chains and pulleys. C/W FAR 91.207 Sub (D) ELT inspection, operational check is satisfactory at this time. **Batteries next due for replacement on March 2016.** Replaced induction air filter with new BA24 filter. Repacked all landing gear wheel bearings. Rotated left and right tires on rim to accommodate for uneven wear. Serviced TKS reservoir with fluid. Installed black RTV silicone in baggage door seal gap. Serviced hydraulic brake reservoir with 5606 fluid. Cleaned corrosion on left brake caliper posts. C/W SB2X-32-19 Nose Landing Gear Upper Gusset Plate Inspection. Inspected nose landing gear gusset plates for cracks or other defects outlined in service bulletin instructions. No defects found. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this airframe has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END----

Justin C Parrow *Justin C Parrow*

A&P30835861A

### Aspen Flying Club

13000 E. Control Tower Rd. Box K-16 Englewood, CO 80112

11/06/12 Cirrus SR-22 SN: 22-2180  
N62CH Flight Hobbs: 2441.1 Hobbs:2407.4 ACTT:2441.1  
Removed and inspected the left brake caliper due to over temp indicated by sticker. No defects noted. Installed new o-rings p/n MS3461/1-222 (2 ea.). Installed caliper, bleed brakes and serviced brake reservoir. Operational and leak checks good. Aircraft ok for service.

Josh Vanterpool AP2817060



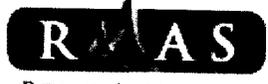
ROCKY MOUNTAIN AIRCRAFT SERVICES LLC  
11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 12-5-2012  
Acraft Reg: N62CH  
Flight Tach: 2158.1  
ACTT: 2158.1  
**AIRFRAME**

Removed #1 Alternator and a repaired as required. Reinstalled using new gasket. Operational check is satisfactory. This aircraft is approved for return to service for that above accomplished work.---END---

Justin C Parrow *Justin C Parrow*

A&P3083586



ROCKY MOUNTAIN AIRCRAFT SERVICES LLC  
11750 Airport Way Hanger B-12A  
Broomfield CO, 80021

Date: 2-11-2013  
Acraft Reg: N62CH  
Flight Tach: 2179.0  
ACTT: 2179.0  
**AIRFRAME**

Replaced left and right aileron gap seals with (2) each P/N 14390-002-05 seals. Operational check is satisfactory. This aircraft is approved for return to service for that above accomplished work.---END---

Justin C Parrow *Justin C Parrow*

A&P3083586

Precision Aircraft & Engine Service Inc.

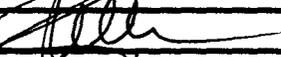
Altimeter Correction Card

Altitude	Correction	Altitude	Correction
-1000	-10	14000	40
0	5	16000	40
500	5	18000	10
1000	10	20000	20
1500	20	22000	N/A
2000	10	25000	N/A
3000	10	30000	N/A
4000	10	35000	N/A
6000	20	40000	N/A
8000	20	45000	N/A
10000	20	50000	N/A
12000	10	51000	N/A

P/N: 700-00006-000

S/N: 20146037

Signature:



Date: 12/10/2012

CRS# PESR116N

Precision Aircraft & Engine Service Inc.

Altimeter Correction Card

Altitude	Correction	Altitude	Correction
-1000	0	14000	30
0	10	16000	50
500	0	18000	50
1000	0	20000	100
1500	10	22000	N/A
2000	20	25000	N/A
3000	20	30000	N/A
4000	20	35000	N/A
6000	20	40000	N/A
8000	30	45000	N/A
10000	50	50000	N/A
12000	50	51000	N/A
P/N: 5934D		S/N: 455959	
Signature: 			
Date: 12/10/2012		CRS# PE5R116N	

**PRECISION AIRCRAFT & ENGINE SERVICE INC.**

**CRS# PE5R116N**

**ALTIMETER CALIBRATION CHECK SHEET**

DATE	N#		MAKE/MODEL		S/N		
Altitude (ft.)	Tolerance non-rvsm/rvsm +/-		#1 Altimeter	#1 Enc. +/- 125 ft.	#2 Altimeter	#2 Enc. +/- 125 ft.	Standby Altimeter
-1000	20	20	-990	-1000	-1000		
0	20	20	+5	0	0		
500	20	20	495	500	490		
1000	20	20	1000	1000	1000		
1500	25	20	1490	1500	1490		
2000	30	20	1980	2000	1980		
3000	30	25	2990	3000	2980		
4000	35	25	3990	4000	3980		
6000	40	27	5980	6000	5980		
8000	60	30	7980	8000	7990		
10000	80	33	9980	9900	9960		
12000	90	37	11990	11990	11950		
14000	100	40	13960	14000	13970		
16000	110	43	15960	15900	15950		
18000	120	47	17970	17900	17960		
20000	130	50	19980	19900	19960		
22000	140	55					
25000	155	55					
29000	NA	55					
30000	180	NA					
32000	NA	55					
35000	205	55					
40000	230	NA					
41000	NA	55					
45000	255	113					
50000	280	125					
51000	NA	125					

**BARO SCALE ERROR (+/- 25 ft.)**

Baro Set	Alt. Diff.	#1	#2	Standby
28.10	-1727	-1730		-1740
28.50	-1340	-1350		-1360
29.00	-863	-870		-890
29.50	-392	-400		-395
29.92	0	0		0
30.50	+531	+530		+540
30.90	+893	+895		+895
30.99	+974	+975		+970

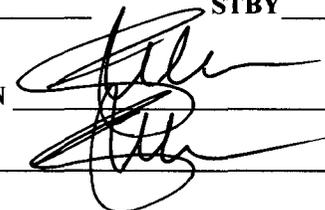
**HYSTERESIS TEST**

1<sup>st</sup> test point 50% \_\_\_\_\_ ft 2<sup>nd</sup> test point 40% \_\_\_\_\_ ft

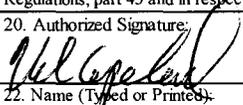
#1 \_\_\_\_\_ #1 \_\_\_\_\_  
 #2 \_\_\_\_\_ #2 \_\_\_\_\_  
 STBY \_\_\_\_\_ STBY \_\_\_\_\_

TECHNICIAN \_\_\_\_\_

INSPECTOR \_\_\_\_\_



#1 ALTIMETER MFG	Avidyne PFD
P/N	700-00006-000
S/N	20146037
#1 ENCODER MFG	ACK
P/N	A-30
S/N	102995
#2 ALTIMETER MFG	United
P/N	5934D-3
S/N	455959
#2 ENCODER MFG	_____
P/N	_____
S/N	_____
STBY ALTIMETER MFG	_____
P/N	_____
S/N	_____
#1 ADC MFG	_____
P/N	_____
S/N	_____
#2 ADC MFG	_____
P/N	_____
S/N	_____
#1 ATC MFG	Garmin
P/N	011-00455-00
S/N	84122967
#2 ATC MFG	_____
P/N	_____
S/N	_____

1. Approving National Aviation Authority/Country: <b>FAA/United States</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG</b>	3. Form Tracking Number: <b>13021505</b>							
4. Organization Name and Address: <b>Sky-Tec Partners, Ltd</b> <b>350 Howard Clemmons Rd.</b> <b>Granbury, Texas 76048 (PQ0852SW)</b>		5. Work Order/Contract/ Invoice Number: <b>13021505</b>							
6. Item:	7. Description:	8. Part Number:	9. Eligibility*:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:			
1	STARTER <b>High Speed</b>	C24ST5	N/A	1	4C5-301201	See Block 13.			
13. Remarks: <b>REBUILT TO ORIGINAL PAH'S SPECIFICATIONS IN ACCORDANCE WITH 14 CFR § 43.3(j).</b>									
				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13.					
				Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for ret					
				20. Authorized Signature: 			21. Approval/Certificate No.: PQ0852SW		
				22. Name (Typed or Printed): Uel Copeland			23. Date (m/d/y): FEB 21 2013		
<b>User/Installer Responsibilities:</b>									
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/assembly.									
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts part/components/assemblies from the airworthiness authority of the country specified in Block 1.									
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.									

FAA Form 8130-3 (6-01) Computer Generated \* Installer must cross check eligibility with applicable national data

-----CUT HERE-----

WEIGHT AND BALANCE/EQUIPMENT LIST REVISION				
NAME:		DATE:		
AIRCRAFT MAKE/TYPE:		MODEL #:		
REGISTRATION #:		SERIAL #:		
PREVIOUS DATE:	WEIGHT:	ARM:	MOMENT:	
EQUIPMENT LIST	IN	OUT	WEIGHT	MOMENT
1 (P/N) (S/N) (Desc.) SKY-TEC STARTER	X			
2				
3				
4				
AIRCRAFT EMPTY WEIGHT: _____ ARM: _____ MOMENT: _____ GROSS WEIGHT: _____ USEFUL LOAD: _____ NOTE: Weight and balance must be completed and attached to pilot's operating handbook.				
			SIGNATURE _____	
			AUTHORIZATION _____	

- Sky-Tec Serial Numbers Beginning w/
- Lycoming Starters
  - CN - 9.3 lbs
  - FN - 9.3 lbs
  - CNE - 9.3 lbs
  - FNE - 9.3 lbs
  - FNR - 9.3 lbs
  - FNER - 9.3 lbs
  - C(x)H - 10.2 lbs
  - F(x)H - 10.2 lbs
  - C(x)M - 8.5 lbs
  - F(x)M - 8.5 lbs
  - C4E - 8.5 lbs
  - F4E - 8.5 lbs
  - H(x)M - 8.5 lbs
  - H4E - 8.5 lbs
  - C(x)C - 8.9 lbs
  - F(x)C - 8.9 lbs
  - H(x)C - 8.9 lbs
  - C(x)L - 8.1 lbs
  - F(x)L - 8.1 lbs
  - C(x)P - 8.1 lbs
  - F(x)P - 8.1 lbs
  - Continental Starters
  - ZC - 9.2 lbs
  - ZCR - 9.2 lbs
  - (x)CS - 6.9 lbs
  - (x)CS - 9.1 lbs

# AIR TIME AND

DATE <u>12/10/12</u>	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		<b>ENGINEERING RECORD</b> NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROU  
FORM

**Precision Aircraft**

7625 S Peoria St D14, Englewood, CO 80112  
Avionics

Date: 12/10/2012; Aircraft: N62CH; S/N: 2180; Hobbs; Tach; Total Time:  
 Ran with blind encoder, P/N ACK A-30 S/N 102995 . Certified IAW FAR 91.411, Part 43 appendix E to 20,000 feet. Complied with FAR 91.217 (b) to 20,000 feet.  
 Ran with Altimeter, Avidyne PFD P/N 700-00006-000 S/N 20146037 . Certified IAW FAR 91.411, Part 43 appendix E to 20,000 feet, C/W FAR 91.217(b) to 20,000 feet.  
 Ran with St. By Altimeter, P/N United 5934D-3 S/N 455959 . Certified IAW FAR 91.411, Part 43 appendix E to 20,000 feet, C/W FAR 91.217(b) to 20,000 feet.  
 Performed FAR 91.413 transponder Garmin , P/N 011-00455-00 S/N 84122967 , certification to the above listed unit. All systems described above tested IAW Applicable M/M, FAR 23.1325 and part 43 appendix F.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

Pertinent details of the repair are on file at this repair station under Work Order No. A401324

Signed [Signature] for  
 Precision Aircraft and Engine Services, Inc.  
 CB8 PE5R116N

Date 12/10/12

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

**N62CH Continental IO-550N(42) S/N: 689951 Engine Log Entry**  
**2 August 2013 Flight Hobbs: 2234.8 Hobbs Meter: 2578.4**  
 Removed starter. Installed overhauled starter P/N: C24ST5, S/N: 4C5-301201. Operational check good.  
[Signature] L. John Wells A&P 3221132 w/o 33404

CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
**N62CH**                      **Cirrus**                      **SR22**                      **S/N: 2180**                      **Airframe Log Entry**

**12 August 2013**                      **Flight Hobbs: 2240.1**                      **Hobbs: 2584.2**

Installed new EMA controller P/N: 20902-001 and performed AmSafe post seat installation check. **Next EMA electronic module due for replacement August 2020.** Realigned pilot's and co-pilot's cabin door lower latches. Synchronized and lubricated cabin door latches.

*Dave A. Danner*                      **Dave A. Danner A&P 2828262**                      w/o 33428

**ARAPAHOE AERO**

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386  
**N62CH**                      **Cirrus**                      **SR22**                      **S/N: 2180**                      **Airframe Log Entry**

**23 August 2013**                      **Flight Hobbs: 2250.6**                      **Hobbs: 2595.8**

Removed standby attitude gyro (P/N: 504-01111-942, S/N: 504011194228136) and installed S/N: 504011194227983. Replaced right-hand brake linings with new. Installed one new shim. Conditioned brakes per Cleveland service instructions.

*Alberto Pizzato*                      **Alberto Pizzato A&P 2522916**                      w/o 33486



ROCKY MOUNTAIN  
 AIRCRAFT SERVICES LLC

11750 Airport Way Hanger B-12A  
 Broomfield CO, 80021

Date: 1-16-2014  
 Acft Reg: N62CH  
 Flight Tach: 2290.8  
 ACTT: 2290.8  
**AIRFRAME**

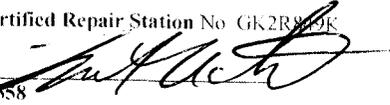
Performed an Annual/100 HR inspection in accordance with FAR 43 App (D) and Cirrus checklist. Inspected and lubed as required all flight control surfaces, rod-ends, chains and pulleys. C/W FAR 91.207 Sub (D) ELT inspection, operational check is satisfactory at this time. **Batteries next due for replacement on March 2016.** Replaced induction air filter with new BA24 filter. Repacked all landing gear wheel bearings. Replaced left and right MLG tires with 15/6.00-6 retred tires. Replaced TKS system filter with new P/N 26115-101 filter. Removed and replaced #2 Batteries with (2) new P/N 50979-001 batteries. Replaced seal in baggage door with new P/N 52010-008U Seal. Serviced hydraulic brake reservoir with 5606 fluid. Reset breaking torque for nose wheel fork. Replaced vent assembly on pilots side P/N DBS1KN-B. Replaced nose gear rebound bumper P/N 18380-001 with new. C/W SB2X-32-19 Nose Landing Gear Upper Gusset Plate Inspection. Inspected nose landing gear gusset plates for cracks or other defects outlined in service bulletin instructions. No defects found. Ground run and operational check of all systems are ok at this time. A list of AD's may be found in aircraft records. I certify that this airframe has been inspected in accordance with an Annual/100 HR inspection and has been determined to be in airworthy condition and is approved for return to service at this time.-----END----

Justin C Parrow

*Justin C Parrow*

A&P3083586IA

# AIR TIME AND

DATE	DAILY TOTAL	TOTAL AIR TIME SINCE MFG.	ENGINEERING RECORD
			NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD	HI  ROCKY MOUNTAIN AIRCRAFT SERVICES 11750 Airport Way Hanger B-12A Broomfield CO, 80021		Date: 4-21-2014 Acft Reg: N62CH Flight Tach: 2341.2 ENGINE
			Drained oil and serviced sump with 7 Qts Aeroshell 15w50 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new 48108-1 oil filter. Ground run/ops/leak check is satisfactory. This aircraft is approved for return to service for the above accomplished work.--- END---
			Clinton Cook  A&P3574567
			<u>Calkins Aero Service Inc.</u> West Houston Airport 18000 Groeschke Rd. Houston, TX 77084 Date: 6-9-14 N62CH Hobbs: 2741.6 <b>fit 23999</b>
			Drained oil and serviced engine with 7 Qts. Aeroshell 15W50 oil, removed oil filter and checked for contaminants, washed ran and leak checked.
			FAA Certified Repair Station No. GK2R849K signed  WO#23558
			<u>Calkins Aero Service Inc.</u> West Houston Airport 18000 Groeschke Rd. Houston, TX 77084 Date: 09/09/2014 N62CH TACH: 2786.7
			Changed oil and filter. Serviced with 8 Qts. of Aero Shell 15W50 Wash, run, and leak check-OK.
			AIRCRAFT AIRWORTHY FOR RETURN TO SERVICE
			Calkins Aero Service Inc. FAA Certified Repair Station No. GK2R849K signed 
			CARRIED FORWARD

INSPECTION, REPAIRS & REPLACEMENT ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
<p style="text-align: center;"><u><i>Calkins Aero Service Inc.</i></u> West Houston Airport 18000 Groeschke Rd. Houston, TX 77084</p> <p>Date: 10/28/2014 N62CH HOBBS: 2833 <i>FLT 2471.5</i> Changed oil and filter. Serviced with 7 Qts. of Aero Shell 15W50 Wash, run, and leak check-OK.</p> <p>Calkins Aero Service Inc. FAA Certified Repair Station No. GK2R849K signed </p>		

General Avionics, Inc. 18000 Groeschke Road Hangar 1-E Houston, TX 77084 Y4XR461Y  
 LOG ID# 397 08-December-2014 WO# 11271  
 N62CH S/N 2180 CIRRUS DESIGN CORP SR22 Pg 1 / 1

In accordance with FAR91.413, this ATC Transponder has been tested and inspected and found to comply with appendices E and F of FAR part 43.

UNIT: GTX330 S/N: 84119518

In accordance with FAR 91.411, each Static Pressure system, each Altimeter instrument and each Automatic Pressure Altitude Reporting system has been tested and inspected and found to comply with appendices E and F of FAR part 43.

ALT S/N: 20146037 ALT S/N: 455959  
 ENC S/N: 102995 Tested to: 25,000FT

Performed a FAR 91.217 Data Correspondence test. 12-08-2014

I CERTIFY THAT THIS AIRCRAFT HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK DESCRIBED ABOVE.

Signed Y4XR461Y General Avionics, Inc. 12/8/2014 Date

*12/2014 MOVED oil change stickers to engine logbook*

MAKE: Cirrus  
 MODEL: SR 22  
 S/N: 2180  
 REG. NO: N62CH  
 WORK ORDER:  
 3731-01-2015



**Houston Aviation Center, LLC**  
 12888 Hwy 6 S Ste 113  
 Sugar Land, TX 77498 USA  
 Phone: 281-494-5800

DATE: 2/4/2015  
 A/C TSN: 2527.1  
 FLIGHTTIME: 2527.1

**AD Entries**

Researched all AD's and Mandatory Service Bulletins thru BW 2015-02. Superior Air Parts Investment Cast Cylinder AD 2014-05-29 is N/A by cylinders are not installed. C/W SB 2X-32-19R3 "Nose Landing Gear Assembly Inspection and Reinforcement" by inspecting the upper gusset plate and nose gear strut fillet weld. Next upper gusset plate inspection is due Flight Meter: 2627.1. C/W SB 2X-27-16 R2 "Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Conditions" by installing kit P/n 70255-002 Ref. AMM 27-50. C/W SB 2X-74-01 " Fine Wire Spark Plugs Replacement" by installing (12) new Tempest spark plugs P/n URHB32E. Operational check satisfactory.

**Maintenance Release**

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3731-01-2015.

DATE: 2/4/2015

SIGNED:

Work Order: 3731-01-2015

# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

MAKE: Cirrus  
MODEL: SR 22  
S/N: 2180  
REG. NO: N62CH  
WORK ORDER:  
3731-01-2015



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498 USA  
Phone: 281-494-5800

DATE: 2/4/2015  
A/C TSN: 2527.1  
FLIGHTTIME: 2527.1

**Airframe Entries**

(Flight Meter: 2527.1) Completed an Annual Inspection this date Ref. CDC SR22 AMM 5-20. Inspected and tested ELT per FAR 91.207(d). ELT batteries (Exp.03/2016). Inspected and lubricated all pulleys, cables, rod ends, trim cartridges and hinges. Inspected and weighed cabin fire extinguisher (518g). Installed new induction air filter element P/n BA24. Checked AD's thru BVV 2015-02.... C/W SB 2X-32-19R3 "Nose Landing Gear Assembly Inspection and Reinforcement" by inspecting the upper gusset plate and nose gear strut fillet weld. Next upper gusset plate inspection is due Flight Meter: 2627.1.... C/W SB 2X-27-16 R2 "Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Conditions" by installing kit P/n 70255-002 Ref. AMM 27-50. Operational check satisfactory.... Secured LH and RH lower wing root fairings with CS3204B2. Operational check satisfactory.... Installed new LH & RH lower cabin door latches, LH P/n 20267-003, and RH P/n 20267-004. Adjusted latches. Operational check satisfactory.... Installed new LH & RH MLG tires P/n 156E66-4, LH S/N 41752124 and RH S/N 41802195. Inflated tires and checked for leaks.... Installed (2) new LH and (2) new RH brake o-rings P/n M83461-1-222, (1) ea. new LH & RH yellow temp indicator P/n 51698-003 and (1) ea. new LH & RH blue temp indicator P/n 51698-003. Operational check satisfactory.... Installed (2) new brake discs P/n 164-02504 and (8) new metallic brake linings P/n 066-06200 on LH and RH MLG. Installed new brake shim insulator P/n 068-01100 on LH MLG. Conditioned brakes. Operational check satisfactory.... Installed new flapper assembly P/n 15710-002, new flapper bolt P/n AN3-34, new castellated nut P/n AN310-3 and new cotter pin P/n MS24665-132. Operational check satisfactory.... Removed Alt 1 P/n 649304, S/N 007LA064R and installed P/n 649304, S/N E069496, overhauled by Quality Aircraft Accessories CRS No. QYIR334Y, under W/O WO1170015461. Operational check satisfactory.... Installed and safetied (2) new NLG brackets P/n 11799-003. Operational check satisfactory.... Installed new landing light lens light cover P/n 20247-104.... Installed new NLG rebound bumper P/n 18380-001, and new cotter pin P/n MS24665-362. Operational check satisfactory.... I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3731-01-2015.

DATE: 2/4/2015

SIGNED:

Work Order: 3731-01-2015

Fouad Hussain, A&P: 3204861 IA

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MAKE: Cirrus  
MODEL: SR 22  
S/N: 2180  
REG. NO: N62CH  
WORK ORDER:  
3782-02-2015



**Houston Aviation Center, LLC**  
12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498 USA  
Phone: 281-494-5800

DATE: 2/17/2015  
A/C TSN: 2538.7  
FLIGHTTIME: 2538.7

**Airframe Entries**

Installed new grommets P/n MS35489-15 on LH and RH NAV antenna. Sealed using white RTV.... Installed new RH MLG tire Goodyear Flight Custom III P/n 156E66-4, S/N 41752255. Serviced with shop air. Leak and operational check satisfactory.

**Maintenance Release**

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3782-02-2015.

DATE: 2/17/2015

SIGNED:

Work Order: 3782-02-2015

Zwahr P, A&P: 2685619

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CARRIED FORWARD

SIGNATURE LICENCE NUMBER

03/26/2015 Cirrus N62CH Hobbs 2961.5

Recovered console with leather. Covered door arm rests with leather. Materials used were tested in accordance with 14 CFR 25.853 (a) Appendix F Part I (a)(1)(ii) (amendment 25-83) In respect to the work described, this aircraft is approved for, return to service.

Noe Garcia A&P 3081456

MAKE: Cirrus
MODEL: SR 22
S/N: 2180
REG. NO: N62CH
WORK ORDER: 3878-04-2015



Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 4/21/2015
A/C TSN: 2606.8
FLIGHTTIME: 2606.8

Airframe Entries

Repaired hole on LH MLG strut fairing using Epon 862 resin. Installed new wheel fairing bracket on LH MLG P/n 17205-001. Operational check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 3878-04-2015.

DATE: 4/21/2015

SIGNED: Martin Aaron Nicely, A&P: 3279896

Work Order: 3878-04-2015

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MAKE: Cirrus
MODEL: SR 22
S/N: 2180
REG. NO: N62CH
WORK ORDER: 4245-01-2016



Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 3/8/2016
A/C TSN: 2764.9
FLIGHTTIME: 2764.9

AD Entries

Researched all ADs and Mandatory Service Bulletins thru BW 2016-05. Superior Air Parts Investment Cast Cylinder AD 2014-05-29 is N/A by cylinders are not installed. C/W SB 2X-32-19R3 "Nose Landing Gear Assembly Inspection and Reinforcement" by inspecting the upper gusset plate and nose gear strut fillet weld. Next upper gusset plate inspection is due Flight Meter: 2864.9. Previously complied with SB 2X-05-02 next due FM: 3027.1 or 3/2017, whichever occurs first. C/W SB2X-28-12R1 "Electric Fuel Pump Inspection" by performing electric fuel pump leak check and inserting POH Temporary Revision 15-28 in aircraft POH.

Maintenance Release

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 4245-01-2016.

DATE: 3/8/2016

SIGNED: Fouad Hussain, A&P: 3204861 IA

Work Order: 4245-01-2016

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# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	

**BROUGHT FORW**

MAKE: Cirrus  
MODEL: SR 22  
S/N: 2180  
REG. NO: N62CH  
WORK ORDER:  
4245-01-2016



**Houston Aviation Center, LLC**

12888 Hwy 6 S Ste 113  
Sugar Land, TX 77498 USA  
Phone: 281-494-5800

DATE: 3/8/2016  
A/C TSN: 2764.9  
FLIGHTTIME: 2764.9

**Airframe Entries**

(Flight Meter: 2764.9) Completed an Annual Inspection this date Ref. CDC SR22 AMM 5-20. Inspected and tested ELT per FAR 91.207(d) and installed (8) new ELT batteries (Exp. 12/2024). Inspected and lubricated all pulleys, cables, rod ends, trim cartridges and hinges. Inspected and weighed cabin fire extinguisher (514 g). Installed new induction air filter element P/n BA24. Checked ADs thru BW 2016-05... C/W SB 2X-32-19R3 "Nose Landing Gear Assembly Inspection and Reinforcement" by inspecting the upper gusset plate and nose gear strut fillet weld. Next upper gusset plate inspection is due Flight Meter: 2864.9... C/W SB2X-28-12R1 "Electric Fuel Pump Inspection" by performing electric fuel pump leak check and inserting POH Temporary Revision 15-28 in aircraft POH... C/W SB 2X-95-18R3 "CAPS Rocket Motor Assembly Replacement". Removed CAPS reefing line cutters, P/n 26707-001, Lot TOS10G003-070, Exp. 07/2016. Removed rocket assy. P/n 15047-001, S/N 2915, and parachute assy. P/n 20331-001, S/N 02479, Exp. 31/AUG/2016. C/W SB 2X-95-13 "CAPS Strap Inspection and Grommet Installation" by inspecting both sides of retaining straps for abrasion and installing new (2) grommets P/n MS21266-1N and (2) new grommets P/n MS21266-6N. Installed kit P/n 70271-001 retrofit rocket crossbeam. Installed kit P/n 70268-002 retrofit electronic ignition. Installed frangible link assy. P/n 29705-002. Installed parachute assy. P/n 25574-004-INSP, S/N 02011, Exp. 25/FEB/2026, inspected by Cirrus Design Factory Service Center, CRS No. YD5R855Y, under W/O CSO 755541. Installed new rocket motor P/n 29500-403, S/N 1505 Exp. 25/FEB/2026. Re-installed CAPS reefing line cutters P/n 25347-001, Lot No. TOS10G003-070, Exp. 07/2016... Customer deferred action at this time... Installed new cabin blower circuit breaker P/n 7277-2-15. Operational check satisfactory... Installed customer provided carpet kit from SCS Interiors, W/O 20434. Materials burn certifications required by FAR 23.853 are on file with SCS Interiors under W/O 20434... Prepped, painted, re-stripped and installed new NLG fairing P/n 15312-001, new nose wheel paint protection P/n FAK-009/Nose, and new tow bar paint protection P/n FAK-009/TB... Removed LH elevator. Removed corrosion from upper and lower elevator, treated with alodine, primed, sanded and painted. Checked elevator balance and found within limits. Re-installed LH elevator with (2) new hinge pins P/n 11621-002 and (2) new hinge bushings P/n 50224-001. Operational check satisfactory... To be addressed by Sugar Land Avionics... To be addressed by Sugar Land Avionics... To be addressed by Sugar Land Avionics... Inspected RH brake assy. for over heat condition per CDC SR22 AMM 32-42. Installed (2) new o-rings P/n 101-34500 and brake temp indicator P/n 51698-001 and P/n 56198-003. Bled brakes and serviced reservoir with MIL-H-5606... Installed new RH MLG IB fairing bracket P/n 17205-002. Operational check satisfactory... Installed new NLG tire P/n 505C66-5, S/N 50682290. Inflated tire and checked for leaks... Installed new nose fork assembly P/n 11638-003 and new thrust washer P/n 50545-001. Adjusted nose fork tension to 25 ft/lbs. Operational check satisfactory... Installed (6) new NLG pucks P/n J-11968-10. Safetied. Operational check satisfactory... Installed new NLG rebound bumper P/n 18380-001. Operational check satisfactory... Installed new forward NLG strut to cowling seal P/n 20660-004. Operational check satisfactory... Installed new placard P/n 12437-001 and P/n 20547-001 on pilot and co-pilot doors... Installed new aft tie down bumper P/n 16678-001. Operational check satisfactory... Installed new LH exhaust collector attach bolt P/n AN4C5 and new nut P/n AN310C4... Removed LH exhaust heat exchanger P/n 14837-001 and installed heat exchanger P/n 14837-001, repaired by Dawley Aviation CRS No. NJ5R069N, under W/O 113597. Pressurized exhaust and checked for leaks... Installed (2) new #2 batteries P/n 50979-001. Operational check satisfactory... Installed (3) new cylinder induction drain line support brackets P/n 14071-003, 14663-001 and 14663-002 with supporting hardware. Operational check satisfactory... Installed new cyl #4 EGT sensor P/n 16579-002. Operational check satisfactory... Installed ALT 2 cooling bracket P/n 21579-001, (2) hose clamps P/n MS21919WDG17 and new duct P/n 50206-100U... For informational purposes only... I certify that this Airframe has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.

**Maintenance Release**

The aircraft and/or component(s) on N62CH was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 4245-01-2016.

DATE: 3/8/2016

SIGNED:

Work Order: 4245-01-2016

Fouad Hussain, A&P: 3204861 IA

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03-14-2016

N62CH

S/N 2180

WO: 1760

Straightened the bent pin and reseated the connector on the EGPWS computer. EGPWS passed function check IAW Airplane Maintenance Manual for the CIRRUS SR22 AND SR22T. With Regard to work performed, this aircraft is returned to service.

Sugar Land Avionics INC.

CRS OSJ598L

12888 HWY 6 S. HANGAR 105

SUGAR LAND, TX 77498

INSPECTION, REPAIRS & REPLACEMENT  
 ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

**TIDAL AVIATION**

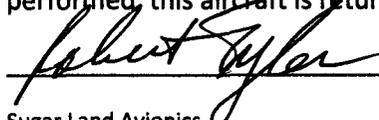
DATE: 04-21-2016. ENG: IO-550N(1B).  
 REG. #: N62CH. ENG S/N: 689951.  
 A/C #: 1110. FLIGHT: 2783.5 Hrs.

(Hobbs: 3145.2 Hrs) R/R Primary battery with new battery P/N:RG24-11M, S/N:40788283 using Cirrus (SR22) A.M.M. as reference; Details of work performed on file under Tidal Aviation W.O.#:N62CH-20160051; Airframe component operational checks satisfactory for return to service.

  
 ALBERTO W. RINCON-V.  
 A&P #:3186786.

06-28-2016 N62CH S/N 2180 W/O 1800

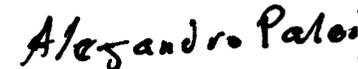
Removed Garmin GTX 330 and L-3 Skywatch. Installed L-3 NGT-9000+. Referred FAA form 337 and weight and balance for details. With regard to the work performed, this aircraft is returned to service.

  
 Sugar Land Avionics  
 CRS OSJR598L  
 12888 HWY 6 S. STE 105  
 SUGAR LAND, TX 77498

**TIDAL AVIATION**

DATE: 07-21-2016. ENG: IO-550N(1B).  
 REG. #: N62CH. ENG S/N: 689951.  
 A/C #: 1110. FLIGHT: 2846.4 Hrs.

(Hobbs: 3208.1 Hrs) Comply with Cirrus SB2X-52-08 R2 by installing part kit #:70544-001 as per aircraft serial number using Cirrus Service Bulletin SB2X-52-08 R2 & Cirrus (SR22) A.M.M. as reference; Details of work performed on file under Tidal Aviation W.O.#:N62CH-2016121; Airframe components operational checks satisfactory for return to service.

  
 ALEJANDRO AGRAZ PALENCIA.  
 A&P#:3507228.





# AIR TIME AND

## ENGINEERING RECORD

DATE

DAILY  
TOTAL

TOTAL AIR  
TIME SINCE  
MFG.

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

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HRS.

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BROUGHT  
FORWARD

CARRIED FORWARD











# AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD
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# AIR TIME AND

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# AIR TIME AND

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# ENGINEERING RECORD

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### INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

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# AIR TIME AND

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# ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

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# AIR TIME AND

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	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD					
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