860 Chaddick Drive, Bldg A • Wheeling, IL 60090 • Tel 847.325.4971 • Fax 847.325.4953

Is pleased to offer the following commercial aircraft engine:

MANUFACTURER	ENGINE TYPE	ENGINE SERIAL NO.
CFMI	CFM56-5B4/3	643183

CURRENT STATUS: Serviceable

ENGINE TSN	34,260:53
ENGINE CSN	14,535
TIME SINCE LAST SHOP VISIT	0
CYCLES SINCE LAST SHOP VISIT	0
LLP LIMITER	HPC & HPT LLP's
LLP LIMITER CYCLES REMAINING	5,465

LAST SHOP VISIT

REPAIR SHOP	Vortex
RELEASE DATE	Dec - 2022

CURRENT PERFORMANCE

THRUST	5B4/3
LAST OPERATOR ECM DATA	Dec-21
EGT MARGIN	60 Deg C
LAST PRESERVATION DATE	March-22

For more information: smiller@aerodirect.com

Comments: Last Operator - AEROFLOT

Availability: December 2022
Delivery Location : Vortex, Shannon Ireland

Date Prepared: January 4, 2023

AERO DIRECT

TABLE OF CONTENTS

LLP Status & NIS

All figures are based on last aircraft update of 10.01.2022 (TAH: TAC:)

Partnumber	Serialnumber	Aircraft	Position	Actual Rating	Expected-Date
1887M10G06	643183	COMP			01.Oct.2031

TSN	CSN	TSO	CSO	TSI	CSI	TSR	CSR
34260:53	14535	34260:53	14'535	4142:51	1989	4142:51	1989

Modules Status:

Partnumber	Description	Serialnumber	TSN	CSN	TSO	CSO	TSR	CSR	TSI	CSI

Requirement Rating Part Status:

Partnumber	Description	Serialnumber	TSN	CSN	To go	Expected-Date	Ratings			
							Rating	Limit	Operated	Remaining
336-001-804-0	LPT ROTOR DISK STG	PA515756	34260:53	14535	10'465 / C	No Limit	-5B4	25000 / C	3591 / C	10465 / C
							DEFAULT	25000 / C	10944 / C	10465 / C
338-010-601-0	FAN SHAFT	DE996053	34260:53	14535	15'465 / C	No Limit	-5B4	30000 / C	3591 / C	15465 / C
							DEFAULT	30000 / C	10944 / C	15465 / C
2048M20G03	HPCR SPOOL ASSY ST	GWN0MT2W	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
336-001-909-0	LPT ROTOR DISK STG	PA515729	34260:53	14535	10'465 / C	No Limit	-5B4	25000 / C	3591 / C	10465 / C
							DEFAULT	25000 / C	10944 / C	10465 / C
2116M23P01	HPC ROTOR DISK STG	XAET4104	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
336-002-105-0	LPT ROTOR DISK STG	PA447986	34260:53	14535	10'465 / C	No Limit	-5B4	25000 / C	3591 / C	10465 / C
							DEFAULT	25000 / C	10944 / C	10465 / C
338-001-906-0	BOOSTER SPOOL	PA409199	34260:53	14535	15'465 / C	No Limit	-5B4	30000 / C	3591 / C	15465 / C
							DEFAULT	30000 / C	10944 / C	15465 / C

2048M21P03	HPT ROTOR FRONT SI	XAES8265	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
2116M20P02	HPT FRONT ROT AIR S	TMT5CP02	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
1558M31G07	HPC ROTOR SPOOL S	GWN0MRL3	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
1498M43P07	HPT ROTOR DISK	GWN0MRTD	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
2116M25P01	CDP ROT REAR AIR SE	GFF5FD38	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
1386M56P03	HPC ROTOR FWD SHA	GWN0MT0W	34260:53	14535	5'465 / C	No Limit	-5B4	20000 / C	3591 / C	5465 / C
							DEFAULT	20000 / C	10944 / C	5465 / C
338-001-504-0	FAN DISK	MA245414	34260:53	14535	15'465 / C	No Limit	-5B4	30000 / C	3591 / C	15465 / C
							DEFAULT	30000 / C	10944 / C	15465 / C
1864M90P04	HPT REAR SHAFT	TMT189L4	4142:51	1989	18'011 / C	No Limit	-5B4	20000 / C	1989 / C	18011 / C
336-002-006-0	LPT ROTOR DISK STG	PC853495	4142:51	1989	23'011 / C	No Limit	-5B4	25000 / C	1989 / C	23011 / C
340-301-702-0	LPT ROTOR SUPPORT	HD112446	4142:51	1989	23'011 / C	No Limit	-5B4	25000 / C	1989 / C	23011 / C
338-010-005-0	LP TURBINE SHAFT	PA246565	24772:51	12732	12'268 / C	No Limit	-5B3	25000 / C	2116 / C	12268 / C
							-5B4	25000 / C	10616 / C	12268 / C

AEROFLOT MPCD-8

TSN/CSN checked by Irina Vinogradova

PUBLIC JOINT STOCK COMPANY
AEROFLOT
Russian Airlines

1 Arbat st., Moscow, 119019 Russia
Tel. (495) 500 68 66, (499) 500-68 69
Fax (495) 500 68 67, http://www.aeroflot.ru

To: WHOM IT MAY CONCERN

From: AEROFLOT

Date: 11.01.2022

Non-Incident Statement

This is the Certified Statement that the engine CFM56-5B **PN 1887M10G07 SN 643183** has been operated by PJSC "AEROFLOT- Russian Airlines" from 01.10.2010 to 02.01.2022. The engine was delivered brand new and was installed on follow AC:

ESN 643183	Date	TSN	CSN	Rating	AC reg	MSN	Pos
From	01.10.2010	0	0	5B4	VQ-BHL	4453	1
To	08.09.2017	26'411	10'944				
From	21.11.2017	26'411	10'944	5B4	VQ-BHL	4453	1
To	05.03.2019	30'118	12'546				
From	29.12.2019	30'118	12'546	5B4	VQ-BHL	4453	1
To	02.01.2022	34'260:53	14'535				

The engine was removed on 02.01.2022.

We certify that the above engine was operated in accordance with the engine and aircraft manufacturer's rules and recommendations and has not been involved in any incident/accident according to ICAO Annex 13 during its operation period, was not subjected to severe stress or heat or immersed in salt water.

In addition, this engine was not obtained by, or operated by any Governmental or Military agencies its operation with PJSC "AEROFLOT- Russian Airlines".

This statement also serves to confirm that no PMA parts were installed or DER repairs performed on this engine during the period of operational with PJSC "AEROFLOT- Russian Airlines".

This is to certify that during operation with PJSC "AEROFLOT- Russian Airlines" Mobil Jet Type II oil and TS-1 fuel were used.

Signature

Konstantin Mokhna

Continuing Airworthiness
Department Director

Prepared by:
Dmitry Grischenko
CAD department
dgrischenko@aeroflot.ru

Last Shop Visit

1. Approving Competent Authority / Country IRELAND Irish Aviation Authority	2. ***AUTHORISED RELEASE CERTIFICATE*** EASA FORM 1	3. Form Tracking Number VAI-0930
4. Organisation Name and Address: VORTEX Aviation Vortex Aviation Ireland Ltd. Bay 140-141, Shannon Free Zone, Shannon, Co. Clare, Ireland. Tel: +353 61 704 826 Fax: +353 61 704 832 infosnn@vortexaviation.us		5. Work Order/Contract/Invoice VAI-22206-E

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
1	Power-Plant	CFM56-5B4/3	1	643183	Repaired

12. Remarks

All Work carried out IAW CFM56-5B ESM Rev.78 Dated 15 March 2022 and A320 AMM Rev.32 Dated 01 Aug 2022.

The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under certificate no 9VOY776C

- Performed AD 2013-14-06 and AD 2017-0065 Dated 19 April 2017 Replacement of Hydro-mechanical Unit IAW AMM Task 73-21-10-000-002A and Task 73-21-10-400-002A HMU P/N 8061-536 and S/N WYGA1747 fitted.
- Performed CFM 56-5B SB 72-0213 Rev.06 Dated 11th January 2018- Inspection of the Forward Acoustical Panels Attachment.
- Performed CFM56-5B SB 72-0727 Rev.03 Dated 29 January 2020– Compressor Rotor Assembly [72-31-00]-HPC Borescope Inspection including Removal and Installation of associated boroscope ports and Crank Pad cover.
- Performed 365 Day Fuel/Oil Preservation IAW CFM56-5B ESM Task 72-00-00-500-001, Subtask 72-00-00-620-054. Date of Preservation 03 Nov 2022.

*This Certificate corrects an error in Block #12 of the Certificate FTN VAI-0984 dated 07 Nov 2022 and does not cover conformity/condition/release to service.

Note Please reference Vortex Aviation Carry Forward Sheet VAI-E-1149 Dated 07 Nov 2022.

Please inform Vortex Aviation Ltd. immediately of any unsatisfactory test.

Engine Current TTSN 34,260:53 and TCSN 14,535 as supplied by the Customer. Records of the above work are held on file at Vortex Aviation Ireland Ltd under Work Order No. VAI-22206-E

13a. Certifies that the Items identified above were manufactured in conformity to:		14a. ☒ Part-145.A.50 Release to Service ☒ Other regulation specified in block 12	
☐ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12		Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.	
13b. Authorised Signature	13c. Approval/ Authorisation Number	14b. Authorised Signature Thomas Frain VAI 033	14c. Certificate/Approval Ref. No. IE.145.073
13d. Name	13e. Date (dd mmm yyyy)	14d. Name Tom Frain	14e. Date (dd mmm yyyy) 03-Jan-2023

User/Installer Responsibilities

THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL THE ITEM(S).

WHERE THE USER/INSTALLER PERFORMS WORK IN ACCORDANCE WITH REGULATIONS OF AN AIRWORTHINESS AUTHORITY DIFFERENT THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS/HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1.

STATEMENTS IN BLOCKS 13a AND14a 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

1. Approving Competent Authority / Country IRELAND Irish Aviation Authority	2. *AUTHORISED RELEASE CERTIFICATE* EASA FORM 1	3. Form Tracking Number VAI-0894
4. Organisation Name and Address: VORTEX Aviation Vortex Aviation Ireland Ltd. Bay 140-141, Shannon Free Zone, Shannon, Co. Clare, Ireland. Tel: +353 61 704 826 Fax: +353 61 704 832 infosnn@vortexaviation.us		5. Work Order/Contract/Invoice VAI-22206-E

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
1	Power-Plant	CFM56-5B4/3	1	643183	Repaired

12. Remarks

All Work carried out IAW CFM56-5B ESM Rev.78 Dated 15 March 2022 and A320 AMM Rev.32 Dated 01 Aug 2022.

- Performed Replacement of Hydro-mechanical Unit IAW AMM Task 73-21-10-000-002A and Task 73-21-10-400-002A. P/N 8061-536 and S/N WYGA1747 fitted.
- Performed CFM 56-5B SB 72-0213 Rev.06 Dated 11th January 2018- Inspection of the Forward Acoustical Panels Attachment.
- Performed CFM56-5B SB 72-0727 Rev.03 Dated 29 January 2020- Compressor Rotor Assembly (72-31-00)-HPC Borescope Inspection including Removal and Installation of associated boroscope ports and Crank Pad cover.
- Performed 365 Day Fuel/Oil Preservation IAW CFM56-5B ESM Task 72-00-00-500-001, Subtask 72-00-00-620-054. Date of Preservation 03 Nov 2022.

The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under certificate no 9VOY776C

Note: Please reference Vortex Aviation Carry Forward Sheet VAI-E-1149 Dated 07 Nov 2022.

Please inform Vortex Aviation Ltd. immediately of any unsatisfactory test.

Engine Current TTSN 34,260:53 and TCSN 14,535 as supplied by the Customer. Records of the above work are held on file at Vortex Aviation Ireland Ltd under Work Order No. VAI-22206-E

13a. Certifies that the Items identified above were manufactured in conformity to:		14a. ☒ Part-145.A.50 Release to Service ☒ Other regulation specified in block 12	
☐ approved design data and are in a condition for safe operation ☐ non-approved design data specified in block 12		Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.	
13b. Authorised Signature	13c. Approval/ Authorisation Number	14b. Authorised Signature Thomas Frain VAI 033	14c. Certificate/Approval Ref. No. IE.145.073
13d. Name	13e. Date (dd mmm yyyy)	14d. Name Tom Frain	14e. Date (dd mmm yyyy) 07-Nov-2022

User/Installer Responsibilities

THIS CERTIFICATE DOES NOT AUTOMATICALLY CONSTITUTE AUTHORITY TO INSTALL THE ITEM(S).

WHERE THE USER/INSTALLER PERFORMS WORK IN ACCORDANCE WITH REGULATIONS OF AN AIRWORTHINESS AUTHORITY DIFFERENT THAN THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1, IT IS ESSENTIAL THAT THE USER/INSTALLER ENSURES THAT HIS/HER AIRWORTHINESS AUTHORITY ACCEPTS ITEMS FROM THE AIRWORTHINESS AUTHORITY SPECIFIED IN BLOCK 1.

STATEMENTS IN BLOCKS 13a AND14a 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

ESN: 643183

Model: CFM56-5B4/3
ENGINE WORKSCOPE

AERO DIRECT
860 Chaddick Drive, Wheeling, IL 60090

Compiled Date:	21-Sep-22	Engine Oil:	TSN:	34,261		CSN:	14,535	Min Build Req:	5,465	Workscope Rev:	0
Induction Date:	TBD	Work Order No.:	TSLSV:	0		CSLSV:	0	LSV Date:	20-Dec-19	Workscope Rev Date:	-
Target completion Date:	TBD	Engine Fuel:	TSO:	34,261		CSO:	14,535	LOH Date:	MNFR	Dual Release FAA-EASA	
								EGTM at Removal:		64 Deg C - ECM Data - 27,000 lbs	
								EGTM at Production:		N/A	

Reason for Removal:	Lease return
Shop Visit Objective:	Continued time engine maintenance:
LLP's Replaced:	NONE
Previous Shop Visits:	May 13, 2022 - SR Technics Full Borescope & C Check Task accomplishment Dec 20, 2019 - Safran LPT Repair Oct 13, 2017 - Safran Top & Bottom Case
Incoming Testing:	NONE

Outgoing Testing:	NONE			Outbound Model:	CFM56-5B4/3			
BSI Requirements - Incoming:	NONE	Video BSI Required:	NONE	Other Incoming BSI Requirements:	Core BSI as per Customer Req: (YES or NO)	HPC: NO	CC: NO	HPT: NO
BSI Requirements - Outgoing:	NONE	Video BSI Required:	NONE	Other BSI Requirements:	NONE			

ESM Revision:	latest revision in force	AMM Revision			CMM's Revision:	All latest revisions		
Model Description	**Module No.s**	**TSO**	**CSO**	**Removed (Y / N)**	**Disassembled (N / Partial / Full)**	**Engine Level Workscope (0,1,2,3)**	**Initial Workscope**	**Remarks**
ENGINE		34,261	14,535	N	N	-	Perform visual inspection	
MAJOR MODULE 01	MM01	34,261	14,535	N	N	-		
Fan Blades	21x	34,261	14,535	N	N	-		
Fan Booster	21x	34,261	14,535	N	N	-		
No. 1 & 2 Bearing	22x	34,261	14,535	N	N	-		
Fan Frame	23x	34,261	14,535	N	N	0	1. Remove HMU PN: 8061-536 - SN: WYGH2344 and set aside for disposition. 2. Install the customer supplied HMU and reflect terminating action of AD 2013-14-06. 3. Perform SB 72-0213	
IGB	61x	34,261	14,535	N	N	-		
TGB	62x	34,261	14,535	N	N	-		
AGB	63x	34,261	14,535	N	N	-		

ESM Revision:	latest revision in force	AMM Revision			CMM's Revision:	All latest revisions		
Model Description	**Module No.s**	**TSO**	**CSO**	**Removed (Y / N)**	**Disassembled (N / Partial / Full)**	**Engine Level Workscope (0,1,2,3)**	**Initial Workscope**	**Remarks**

MAJOR MODULE 02	**MM02**	**34,261**	**14,535**	N	**N**	-		
HPC Rotor	**31x**	**34,261**	**14,535**	N	**N**	-	**Perform SB 72-0727 R03 Remaing 519-FC**	
HPC Front Stator	**32x**	**34,261**	**14,535**	N	**N**	-		
HPC Rear Stator	**33x**	**34,261**	**14,535**	N	**N**	-		
Combustor Case	**41x**	**34,261**	**14,535**	N	**N**	-		
Combustor	**42x**	**34,261**	**14,535**	N	**N**	-		
HPT Nozzle	**51x**	**34,261**	**14,535**	N	**N**	-		
HPT Rotor	**52x**	**34,261**	**14,535**	N	**N**	-		
LPT Stg 1 Nozzle	**53x**	**34,261**	**14,535**	N	**N**	-		
ESM Revision:	**latest revision in force**		**AMM Revision**				**CMM's Revision:**	**All latest revisions**
Model Description	**Module No.s**	**TSO**	**CSO**	**Removed (Y / N)**	**Disassembled (N / Partial / Full)**	**Engine Level Workscope (0,1,2,3)**	**Initial Workscope**	**Remarks**
MAJOR MODULE 03	**MM03**	**34,261**	**14,535**	N	**N**	-		
LPT Rotor / Stator	**54x**	**34,261**	**14,535**	N	**N**	-		
LPT Shaft	**55x**	**34,261**	**14,535**	N	**N**	-		
LPT Rear Frame	**56x**	**34,261**	**14,535**	N	**N**	-		

Airworthiness Directives:	**reflect terminating action of AD 2013-14-06.**
Service Bulletins:	**SB 72-0213 R06 - FWD Accoustical Panels. Remaining 1,102-FH** **SB 72-0727 R03 - HPC BSI Remaining. 519-FC**
Additional Comments:	**1. Perform incoming inspection and include a detailed report.** **2. Will have to perform a stand swap once our engine stands arrive to your facility.** **3. Any additional findings must be advised and approved by the customer prior to performing the work.** **4. Perform 365 Day preservation.** **5. wrap engine for transport** **6. Provide a purge statement for shipping.** **QEC parts removed for access, must be inspected per visual examination.**

Prepared & Approved By: **Date: September 22, 2022** **Director, Technical Services - Bridgette Smith**	**Repair Shop Approval:** **Date:** **Title - Name:**

1. Approving Competent Authority / Country	2.	3. Form Tracking Number
FOCA / Switzerland	**AUTHORISED RELEASE CERTIFICATE EASA FORM 1**	ESO / 20220513.1

4. Approved Organisation Name and Address	5. Work Order/Contract/Invoice
SR Technics SR Technics Switzerland Ltd. CH-8058 Zurich-Airport, Switzerland	5300263 / PO: 14330183

6. Item	7. Description	8. Part Number	9. Qty.	10. Serial No.	11. Status/Work
1	TURBOFAN ENGINE - CFM56-5B4/3	1887M10G07	1	643183	INSPECTED/TESTED

12. Remarks:

POST LEASE INSPECTION PERFORMED IAW ENGINE SHOP MANUAL AND AEROFLOT AMM AFL REVISION 76, REVISION DATED 01/FEB/2022.

MPD TASKS PERFORMED IAW MPD STATUS CONTROL SHEET, REF.: AIRBUS MPD A320FAM / CFM56-5B.

THE ENGINE WAS PRESERVED IAW ENGINE SHOP MANUAL 72-00-00 STORAGE FOR 30-365 DAYS ON THE 15/MAR/2022 AND EXPIRES ON THE 14/MAR/2023.

NOTES:
1) UNTESTED ENGINE, REFER TO AMM FOR APPLICABLE TEST PROCEDURES ON AIRCRAFT, BEFORE NEXT FLIGHT.
2) FULL VIDEO BSI PERFORMED.

THIS IS A TRUE COPY
SR TECHNICS SWITZERLAND
STAMP:
Alexsandros Hatsikas SR Technics E7 505644-00
SIGN:

ENGINE TT: 34261 TC: 14535

REF.DOC.: CFMI-TP.SM.9 REV: 77
MODIF.SB: NONE AD: NONE

The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under certificate no. SWRY322I

- Pertinent details of work performed are in Work package 643183 SV 001 and electronically on file at this agency

13a. Certifies that the items identified above were manufactured in conformity to:		14a. (X) EASA Part145.A.50 Release to Service (X) other regulations specified in block 12	
☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in block 12		Certifies that unless otherwise specified in block 12 the work identified in Block 11 and described in Block 12 was accomplished in accordance with Part 145 and in respect to that work, the items are considered ready for release to service.	
13b. Authorized Signature	13c. Approval/Authorisation Number	14b. Authorized Signature Alexsandros Hatsikas SR Technics E7 505644-00	14c. Certificate/Approval Ref. No. **CH.145.0200**
13d. Name	13e. Date (DD/MMM/YYYY)	14d. Name ALEXANDROS HATSIKAS	14e. Date: (DD/MMM/YYYY) 13/MAY/2022

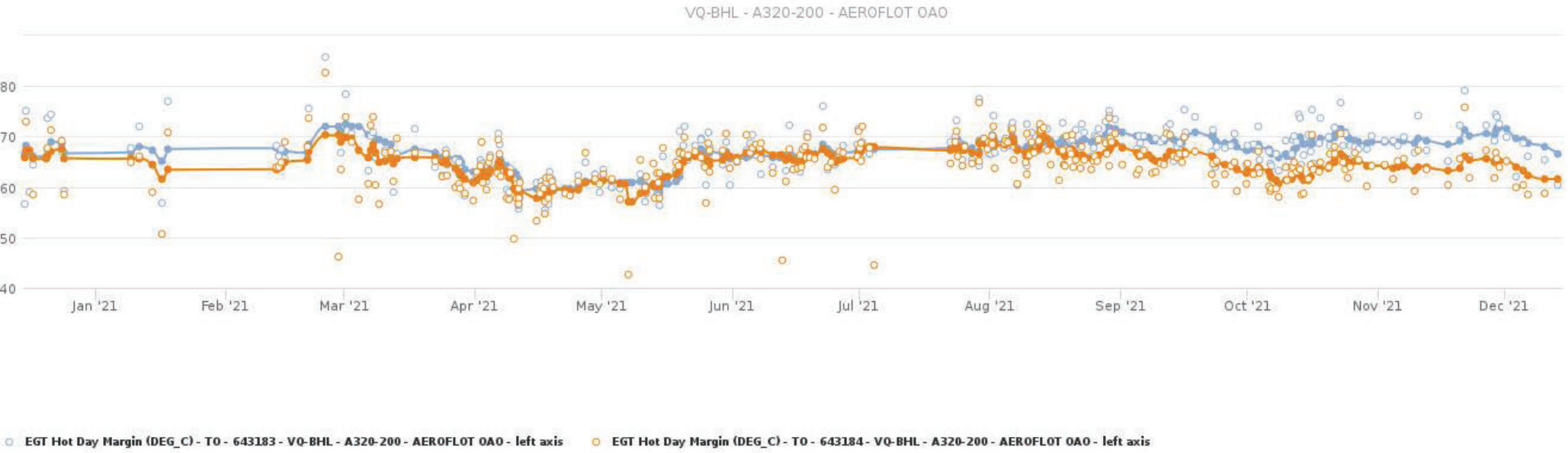
USER/INSTALLER RESPONSIBILITIES

This Certificate does not automatically constitute authority to install the item(s)

Where the user / installer perform work in accordance with regulations of an Airworthiness Authority different than the Airworthiness Authority specified in block 1 it is essential that the user / installer ensures that his/her Airworthiness Authority accepts items from the Airworthiness Authority specified in block 1.

Statements in Block 13a and 14a do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulations by the User / installer before the aircraft may be flown.

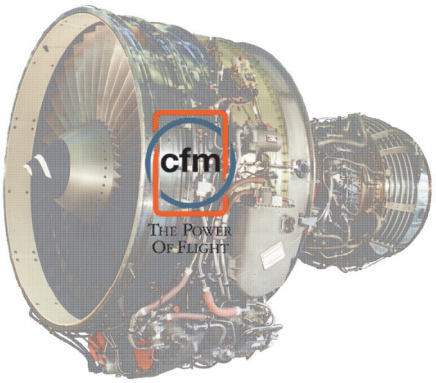
Last Operator ECM Data


VQ-BHL - A320-200 - AEROFLOT OAO
80
70
60
50
40
Jan '21
Feb '21
Mar '21
Apr '21
May '21
Jun '21
Jul '21
Aug '21
Sep '21
Oct '21
Nov '21
Dec '21
EGT Hot Day Margin (DEG_C) - TO - 643183 - VQ-BHL - A320-200 - AEROFLOT OAO - left axis
EGT Hot Day Margin (DEG_C) - TO - 643184 - VQ-BHL - A320-200 - AEROFLOT OAO - left axis

BSI Report

ENGINE OUTGOING BORESCOPE INSPECTION REPORT

OPERATOR SAFRAN AIRCRAFT



Engine Model CFM56-5B4/3

Engine Serial No 643183

Engine TSN 34261 Engine CSN 14535

Engine Position OFF WING

Date of Inspection 2022-03-24

Place of Inspection SR TECHNICS SWITZERLAND, 8058 ZURICH-AIRPORT

Manual References:

AFL; AMM, A320 SERIES
72-21-00/72-31-00/72-42-00/72-51-00/72-52-00/72-53-00/72-54-00

Manual Revision Date: Feb 01/2022 *Manual Revision No: 76*

Inspection performed by: Buerki Stefan Pers No 563673 Meier Renato Pers No 593892

Signature:

BOOSTER (LPC) STAGES 2 - 5 REF. AMM 72-21-00 PB. 601

LPC 2ND (64BLADES)

Damage Definition **ZERO DEFECTS**

Inspected by: Buerki Stefan Pers No 563673

2203160092.JPG
16/03/2022 19:38:16 Pic 1

2203160094.JPG
16/03/2022 19:41:33 Pic 2

BOOSTER (LPC) STAGES 2 - 5 REF. AMM 72-21-00 PB. 601

LPC 3RD (70 BLADES)

Damage Definition **ZERO DEFECTS**

Inspected by: Buerki Stefan Pers No 563673

2203160095.JPG
16/03/2022 19:51:49 Pic 1

2203160098.JPG
16/03/2022 19:55:23 Pic 2

© SR Technics

BOOSTER (LPC) STAGES 2 - 5 REF. AMM 72-21-00 PB. 601

LPC 4TH (70 BLADES)

Damage Definition **ZERO DEFECTS**

Inspected by: Buerki Stefan Pers No 563673

2203160099.JPG
16/03/2022 20:00:36 Pic 1

2203160102.JPG
16/03/2022 20:04:03 Pic 2

BOOSTER (LPC) STAGES 2 - 5 REF. AMM 72-21-00 PB. 601

LPC 5TH (68 BLADES)

Damage Definition **ZERO DEFECTS**

Inspected by: Buerki Stefan Pers No 563673

2203160103.JPG
16/03/2022 20:09:53 Pic 1

2203160106.JPG
16/03/2022 20:13:09 Pic 2

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HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 1ST (38 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

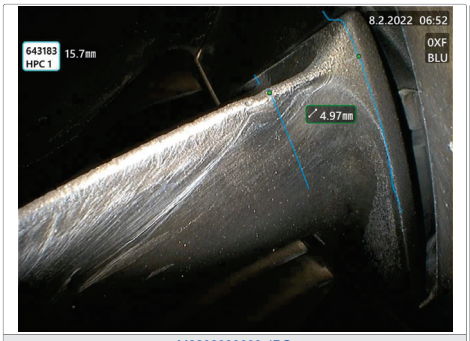
NOTE: "MEASUREMENT IMAGES FROM THE INCOMING BORESCOPE INSPECTION WERE USED. IN ADDITION, CURRENT REFERENCE IMAGES OF THE DAMAGE WERE TAKEN"

- SOME BLADES WITH MINOR DENT ON THE LEADING EDGE IN THE LOWER 25% OF L UP TO ABOUT 0.19 MM IN DEPTH.
- SEVERAL BLADES WITH SMALL DENT ALONG THE LEADING EDGE.
- ALL BLADES WITH SMALL AMOUNT OF EROSION ON THE LEADING EDGE.

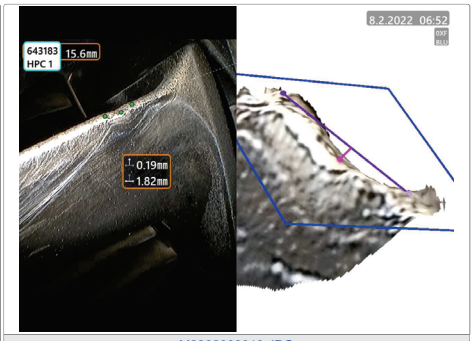
Limits refer to AMM/EM

N. NICKS, DENTS AND MISSING MATERIAL ON THE LEADING AND TRAILING EDGE OF THE LOWER 25% OF THE AIRFOIL (BUT NOT THE ROOT RADIUS).
- ANY AMOUNT IF THE DAMAGE IS LESS THAN 0.03 IN. (0.8 MM) IN DEPTH.

Inspected by: Buerki Stefan Pers No 563673



M2202080009.JPG
08/02/2022 06:52:59 Pic 1



M2202080010.JPG
08/02/2022 06:52:59 Pic 2

2203160110.JPG
16/03/2022 20:52:57 Pic 3

2203160107.JPG
16/03/2022 20:32:08 Pic 4

2203160109.JPG
16/03/2022 20:42:52 Pic 5

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HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

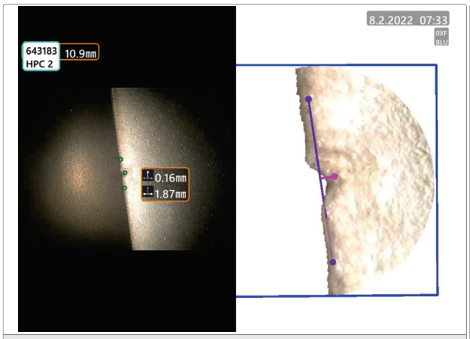
HPC 2ND (53 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

NOTE: "MEASUREMENT IMAGES FROM THE INCOMING BORESCOPE INSPECTION WERE USED. IN ADDITION, CURRENT REFERENCE IMAGES OF THE DAMAGE WERE TAKEN"

- SOME BLADES WITH MINOR DENT ALONG THE LEADING EDGE UP TO ABOUT 0.16 MM IN DEPTH.
- SOME BLADES WITH SMALL DENT / ROUND BOTTOMED DENT ON THE TRAILING EDGE.

Inspected by: Buerki Stefan Pers No 563673



M2202080029.JPG
08/02/2022 07:33:54 Pic 1

2203160120.JPG
16/03/2022 21:12:29 Pic 2

2203160115.JPG
16/03/2022 21:02:04 Pic 3

2203160118.JPG
16/03/2022 21:05:10 Pic 4

2203160119.JPG
16/03/2022 21:08:32 Pic 5

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HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

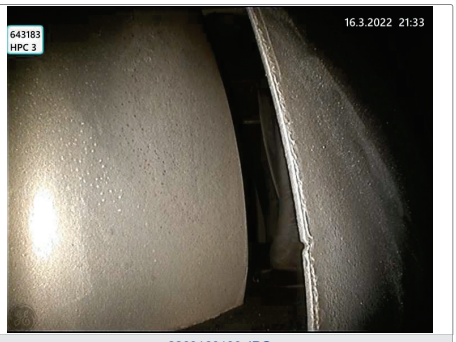
HPC 3RD (60 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

NOTE: "MEASUREMENT IMAGES FROM THE INCOMING BORESCOPE INSPECTION WERE USED. IN ADDITION, CURRENT REFERENCE IMAGES OF THE DAMAGE WERE TAKEN"
- SOME BLADES WITH MINOR NICK / DENT ALONG THE LEADING EDGE UP TO ABOUT 0.19 MM IN DEPTH.

Inspected by: Buerki Stefan Pers No 563673

M2202080049.JPG
08/02/2022 08:03:02 Pic 1



2203160130.JPG
16/03/2022 21:33:33 Pic 2

2203160126.JPG
16/03/2022 21:22:01 Pic 3

2203160128.JPG
16/03/2022 21:24:35 Pic 4

2203160129.JPG
16/03/2022 21:27:15 Pic 5

© SR Technics

HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 4TH (68 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

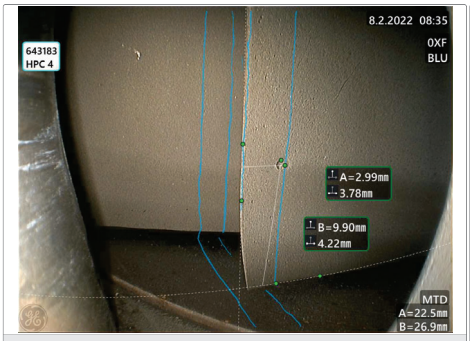
NOTE: "MEASUREMENT IMAGES FROM THE INCOMING BORESCOPE INSPECTION WERE USED. IN ADDITION, CURRENT REFERENCE IMAGES OF THE DAMAGE WERE TAKEN"

- SOME BLADES WITH SMALL NICK / DENT ON THE LEADING EDGE.
- 1EA BLADE WITH DENT / ROUND BOTTOMED DENT ON THE CONCAVE SIDE AIRFOIL CENTER PANEL. NOT CRACKED ON THE OPPOSITE SIDE.

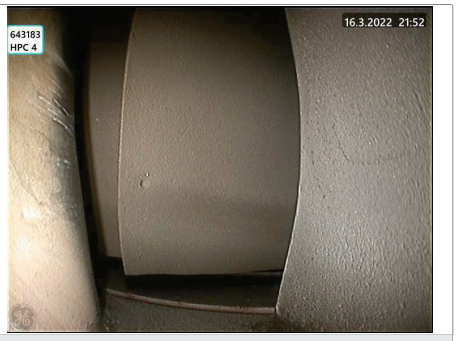
Limits refer to AMM/EM

B.NICK AND DENTS ON THE AIRFOIL CENTER PANEL.
ANY NUMBER IF THE DAMAGE IS NOT CRACKED ON THE OPPOSITE SIDE OF THE AIRFOIL.

Inspected by: Buerki Stefan Pers No 563673



M2202080066.JPG
08/02/2022 08:35:47 Pic 1



2203160141.JPG
16/03/2022 21:52:36 Pic 2

2203160134.JPG
16/03/2022 21:40:32 Pic 3

2203160136.JPG
16/03/2022 21:43:30 Pic 4

© SR Technics

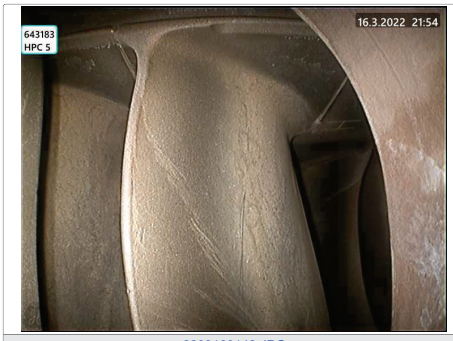
HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 5TH (75 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH SMALL DENT / NICK ON THE LEADING EDGE.

Inspected by: Buerki Stefan Pers No 563673



2203160142.JPG
16/03/2022 21:54:46 Pic 1

2203160145.JPG
16/03/2022 21:58:06 Pic 2

2203160146.JPG
16/03/2022 22:00:46 Pic 3

HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 6TH (82 BLADES)

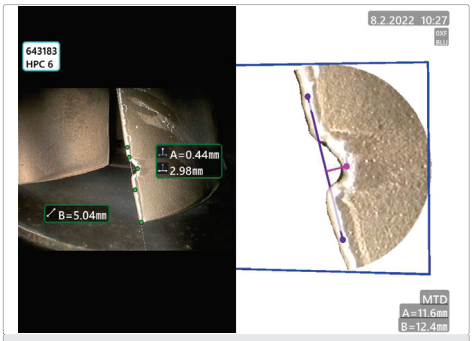
Damage Definition **NO SIGNIFICANT DEFECTS**

- 2EA BLADES WITH MINOR DENT ~0.32 MM AND ~0.28 MM DEFLECTION AT THE LEADING EDGE IN DIM. "B".
- SOME BLADES WITH MINOR NICK / DENT ON THE LEADING EDGE IN DIM. "B".
- SOME BLADES WITH MINOR NICK UP TO ~0.44 MM IN DEPTH. IN DIM. "A".

Inspected by: Meier Renato Pers No 593892

M2202080097.JPG
08/02/2022 10:24:21 Pic 1

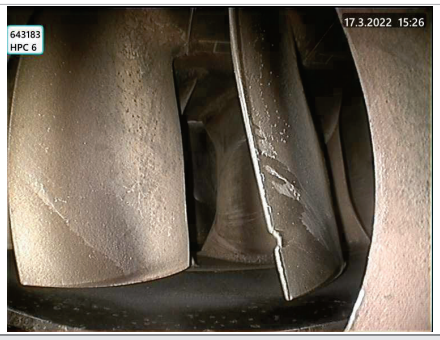
M2202080093.JPG
08/02/2022 10:20:19 Pic 2



M2202080100.JPG
08/02/2022 10:27:41 Pic 3

2203170003.JPG
17/03/2022 15:25:59 Pic 4

2203170002.JPG
17/03/2022 15:25:33 Pic 5



2203170004.JPG
17/03/2022 15:26:38 Pic 6

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HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 7TH (82 BLADES)

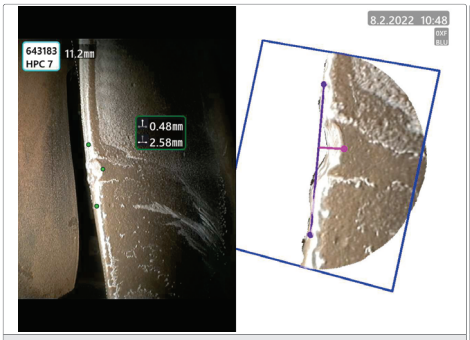
Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH MINOR DENT ON THE LEADING EDGE IN DIM. "B" UP TO ~0.48 MM IN DEPTH.
- 1EA BLADE WITH DENT AND SOME RAISED MATERIAL IN DIM. "B" ~0.32 MM IN DEPTH.

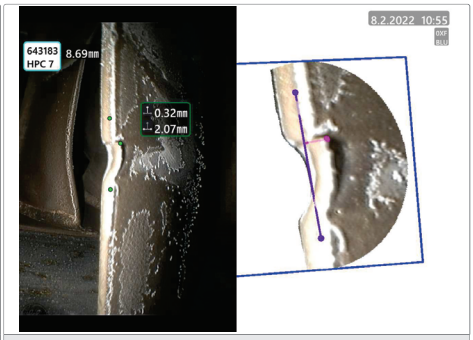
Limits refer to AMM/EM

C.NICKS, TEARS, MISSING MATERIAL AND EROSION ON THE LEADING AND TRAILING EDGE FOUND IN DIM. B
ANY NUMBER IF THE DAMAGE IS LESS THAN 0.04 IN. (1.0 MM) IN DEPTH

Inspected by: Meier Renato Pers No 593892



M2202080109.JPG
08/02/2022 10:48:08 Pic 1



M2202080118.JPG
08/02/2022 10:55:47 Pic 2

2203170007.JPG
17/03/2022 15:48:53 Pic 3

2203170008.JPG
17/03/2022 15:51 Pic 4

HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 8TH (80 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH MINOR NICK / DENT ON THE LEADING EDGE.

Inspected by: Meier Renato Pers No 593892

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HIGH PRESSURE COMPRESSOR STAGES 1 - 9 REF. AMM 72-31-00 PB. 601

HPC 9TH (76 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH SMALL NICK / DENT ON THE LEADING EDGE.

Inspected by: Meier Renato Pers No 593892

COMBUSTION CHAMBER REF. AMM 72-42-00 PB. 601

DOME ASSEMBLIES (SPECTACLE PLATE AND DEFLECTORS)

Damage Definition **NO SIGNIFICANT DEFECTS**

- DEFLECTORS WITH SLIGHTLY BURNT SPOTS AND SMALL RADIAL CRACKS.
- SPOTS WITH THERMAL BARRIER COATING MISSING.

Inspected by: Schumacher Adrian Pers No 151661

2203240079.JPG
24/03/2022 19:48:55 Pic 1

2203240080.JPG
24/03/2022 19:49:20 Pic 2

2203240081.JPG
24/03/2022 19:49:26 Pic 3

2203240082.JPG
24/03/2022 19:49:38 Pic 4

2203240084.JPG
24/03/2022 19:50:32 Pic 5

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COMBUSTION CHAMBER REF. AMM 72-42-00 PB. 601

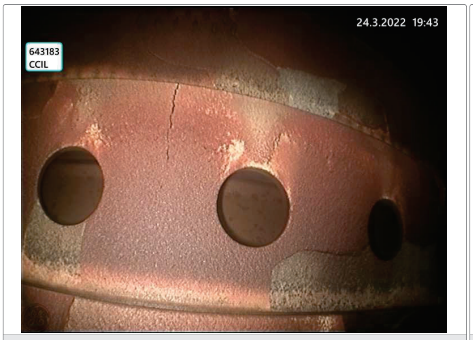
INNER LINER

Damage Definition **NO SIGNIFICANT DEFECTS**

- PANEL 2 WITH SOME AXIAL CRACKS NOT LONGER THAN 1 PANEL.
- THERMAL BARRIER COATING MISSING.

Limits refer to AMM/EM
ANY NUMBER ACROSS 1 PANEL OR LESS AND UP TO 4 CRACKS ACROSS MORE THAN 1 PANEL BUT NOT LONGER THAN 2 PANELS.

Inspected by: Schumacher Adrian Pers No 151661



2203240076.JPG
24/03/2022 19:43:37 Pic 1

2203240074.JPG
24/03/2022 19:40:28 Pic 2

COMBUSTION CHAMBER REF. AMM 72-42-00 PB. 601

OUTER LINER

Damage Definition **NO SIGNIFICANT DEFECTS**

- ALL PANELS WITH SOME THERMAL BARRIER COATING MISSING.

Inspected by: Schumacher Adrian Pers No 151661

2203240065.JPG
24/03/2022 19:27:20 Pic 1

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HIGH PRESSURE TURBINE NOZZLE ASSEMBLY REF. AMM 72-51-00 PB. 601

HPT NOZZLES

Damage Definition **ZERO DEFECTS**

Inspected by: Schumacher Adrian Pers No 151661

2203240087.JPG
24/03/2022 19:54:32 Pic 1

2203240091.JPG
24/03/2022 19:56:32 Pic 2

© SR Technics

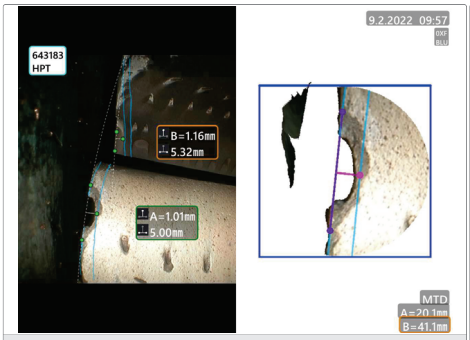
HIGH PRESSURE TURBINE BLADES FROM THE FRONT REF. AMM 72-52-00 PB. 601

HPT BLADES (80 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH MINOR DENT ON THE TIP CORNER
- 1EA BLADE WITH MISSING MATERIAL SMALLER THAN THE TIP SHELF.
- ALL BLADES WITH THERMAL BARRIER COATING MISSING.

Inspected by: Meier Renato Pers No 593892



M2202090014.JPG
09/02/2022 09:57:29 Pic 1

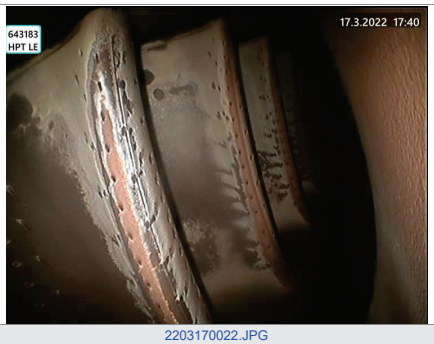
M2202090013.JPG
09/02/2022 09:55:17 Pic 2

2203170020.JPG
17/03/2022 17:39:35 Pic 3

2203170019.JPG
17/03/2022 17:38:56 Pic 4

2203170018.JPG
17/03/2022 17:38:20 Pic 5

2203170021.JPG
17/03/2022 17:39:47 Pic 6



2203170022.JPG
17/03/2022 17:40:29 Pic 7

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HIGH PRESSURE TURBINE BLADES FROM THE REAR REF. AMM 72-52-00 PB. 601

HPT BLADES (80 BLADES)

Damage Definition **ZERO DEFECTS**

- 2EA BLADES WITH 2 WEAR NOTCHES VISIBLE.

Inspected by: Meier Renato Pers No 593892

2203170014.JPG
17/03/2022 16:59:36 Pic 1

2203170015.JPG
17/03/2022 17:03:02 Pic 2

2203170016.JPG
17/03/2022 17:03:37 Pic 3

LPT 1 NOZZLE ASSEMBLY PART 1 (RIGID BORESCOPE INSPECTION S16/S17) REF. AMM 72-53-00 PB. 601

1ST STAGE LPT NOZZLE ASSEMBLY

Damage Definition **NO SIGNIFICANT DEFECTS**

- VISIBLE AIRFOIL WITH SOME CORROSION.

Inspected by: Schumacher Adrian Pers No 151661

2203240092.JPG
24/03/2022 20:02:04 Pic 1

2203240094.JPG
24/03/2022 20:17:59 Pic 2

© SR Technics

LOW PRESSURE TURBINE BLADES STAGES 1 - 3 REF. AMM 72-54-00 PB. 601

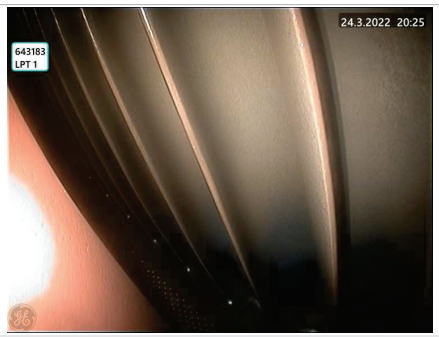
LPT 1ST (162 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- ALL BLADES WITH SOME CORROSION ON THE AIRFOILS.
- ALL BLADES WITH SOME DEPOSIT MATERIAL ON THE LEADING EDGE.

Inspected by: Schumacher Adrian Pers No 151661

2203240096.JPG
24/03/2022 20:21:57 Pic 1



2203240098.JPG
24/03/2022 20:25:58 Pic 2

2203240099.JPG
24/03/2022 20:27:52 Pic 3

LOW PRESSURE TURBINE BLADES STAGES 1 - 3 REF. AMM 72-54-00 PB. 601

LPT 2ND (150 BLADES)

Damage Definition **NO SIGNIFICANT DEFECTS**

- SOME BLADES WITH MINOR DENTS ON THE LEADING EDGE NOT IN AREA "E".
- ALL BLADES WITH SOME CORROSION ON THE AIRFOILS.

Inspected by: Schumacher Adrian Pers No 151661

2203240106.JPG
24/03/2022 20:39:20 Pic 1

2203240107.JPG
24/03/2022 20:39:28 Pic 2

2203240104.JPG
24/03/2022 20:37:47 Pic 3

2203240109.JPG
24/03/2022 20:41:33 Pic 4

2203240110.JPG
24/03/2022 20:43:46 Pic 5

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LOW PRESSURE TURBINE BLADES STAGES 1 - 3 REF. AMM 72-54-00 PB. 601

LPT 3RD (150 BLADES)

Damage Definition **DEFECTS WITHIN SERVICEABLE LIMIT**

- 1 BLADE WITH A DENT 0.30 MM DEEP ON THE TRAILING EDGE NOT IN AREA "E".

Limits refer to AMM/EM
4. NICKS AND/OR DENTS ON LEADING OR TRAILING EDGES. DOES NOT INCLUDE AREAS E.
NOT MORE THAN 0.02 IN. (0.5 MM) DEEP.

Inspected by: Schumacher Adrian Pers No 151661

2203240128.JPG
24/03/2022 21:22:57 Pic 1

M2203240127.JPG
24/03/2022 21:20:44 Pic 2

2203240116.JPG
24/03/2022 20:55:52 Pic 3

2203240118.JPG
24/03/2022 20:58:17 Pic 4

2203240119.JPG
24/03/2022 21:00:05 Pic 5

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LOW PRESSURE TURBINE BLADES STAGE 4 REF. AMM 72-54-00 PB 601

LPT 4TH (134 BLADES)

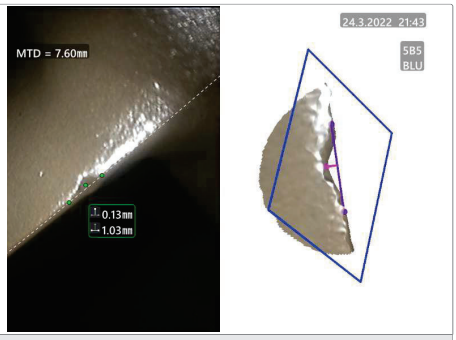
Damage Definition **DEFECTS WITHIN SERVICEABLE LIMIT**

- 1 BLADE WITH A DENT 0.13 MM DEEP ON THE LEADING EDGE 2.88 MM FROM THE PLATFORM IN AREA "E".

Limits refer to AMM/EM
5. NICKS AND/OR DENTS IN AREA E.
NOT MORE THAN 0.01 IN. (0.25 MM) DEEP

Inspected by: Schumacher Adrian Pers No 151661

M2203240140.JPG
24/03/2022 21:43:53 Pic 1



M2203240141.JPG
24/03/2022 21:43:53 Pic 2

2203240130.JPG
24/03/2022 21:24:14 Pic 3

2203240133.JPG
24/03/2022 21:26:54 Pic 4

2203240134.JPG
24/03/2022 21:29:19 Pic 5

2203240135.JPG
24/03/2022 21:31:05 Pic 6

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Note 1:
Where the term “NO SIGNIFICANT DEFECTS” is recorded, this is deemed to mean very minor defects or indications were noted at time of inspection, all of which are deemed serviceable in respect of inspection limits applied.

Note 2:
Calibration of the Borescope Inspection equipment carried out by SR Technics Switzerland Ltd prior to commencement of any digital measurement undertaken during the inspection
Equipment and Verification Block EQ. No:
Video Probe Mentor IQ HD (No 5), Verification Block 123275 / ,

AD Status

SR Technics

Engine S/N : C643183
Engine Type : CFM56-5B4/3
Engine TSN : 34261
Engine CSN : 14535

AD Compliance Status

Modification Status of Engine

C643183

BIWEEKLY 2022-13

SR Technics
Engineering Services
Data Management

Date: 06.07.2022

Enclosure to: EASA FORM 1, FORM TRACKING NUMBER:ESO / 20220513.1 Signature:

Nikola Marjanovic
ADM SR Technics
507322-00

Legend for Document Types and Status Description

Document Types:

AD = Airworthiness Directive
ASB = Alert Bulletin
EB = Engineering Bulletin
EO = Engineering Order
IEN = Internal Engineering Notice
OL = Operator Letter
SB = Service Bulletin
SL = Service Letter
TO = Technical Order
VB = Vendor Bulletin
WS = Work Statement

Status Description:

CANC = Cancelled
NOAP = Not applicable
NOPE = Not performed
PAPE = Partially performed
PAVE = Partially performed by vendor
PREV = Previously performed
PERE = Performed repetitively
PERF = Performed fully
PEVE = Performed fully by vendor
TERJ = Technically rejected
UNFI = Unfinished
POUT = Not performed due to phase-out

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
97-010-000_R00 Part 000	DGAC	LIFE LIMITS LPT					Supers. by: 97-010-000,BUL,000,01
97-010-000_R01 Part 000	DGAC	LIFE LIMITS LPT **97-010-000_R01_Part000**	**NOAP**			54X43183	Supersedes: 97-010-000,BUL,000,00 INSTALLED P/N NOT AFFECTED
F-2003-001R2 Part 000	DGAC	EGT HARNESSES AND COUPLINGS **VB_CFM56-5B S/B 77-0008_R04_Part000** AD_2007-03-15_R00_Part000	**NOAP**			76X43183	Supersedes: F-2003-001R1 INSTALLED S/N NOT AFFECTED
EASA-2007-0221_R00 Part 000	EASA	TIME LIMITS - LOW PRESSURE TURBINE REAR **VB_CFM56-5B S/B 72-0620_R04_Part000** AD_2009-18-01_R00_Part000	**NOAP**			56X43183	INSTALLED P/N NOT AFFECTED
EASA-2008-0228-E_R00 Part 001	EASA	ENGINE - HIGH PRESSURE COMPRESSOR STALL					Supers. by: EASA-2009-0088 Supersedes: EASA-2008-0227-E
EASA-2009-0088R1C1_R00 Part 000	EASA	Correction: ENGINE - HIGH PRESSURE COMPR **VB_CFM56-5B S/B 73-0229_R02_Part000** SB_A320-73-1095_R02_Part000 VB_CFM56-5B S/B 73-0229_R02_Part900 AD_EASA-2009-0088R1C1_R00_Part900 AD_FAA-2010-09-14_R00_Part000	**PEVE** Sep14,2010			91X43183	Supersedes: EASA-2009-0088R1

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
EASA-2009-0110_R00 Part 000	EASA	TIME LIMITS - LOW PRESSURE TURBINE REAR **VB_CFM56-5B S/B 72-0620_R04_Part001** AD_2009-18-01_R00_Part000	**NOAP**			56X43183	INSTALLED P/N NOT AFFECTED
EASA-2009-0154-E_R00 Part 000	EASA	ENGINE FUEL AND CONTROL - HYDROMECHANICA **VB_CFM56-5B S/B 73-0238_R03_Part000** **VB_CFM56-5B S/B 73-0239_R00_Part000** VB_83628-73-019_R00_Part000 VB_83628-73-019_R00_Part001	**NOAP** **NOAP**			91X43183 91X43183	INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED
EASA-2009-0270_R00 Part 000	EASA	LPT DISK STG 3, REPLACEMENT SUSP PART **VB_CFM56-5B S/B 72-0733_R01_Part000** AD_FAA-2010-13-09_R00_Part000	**NOAP**			54X43183	INSTALLED S/N NOT AFFECTED
EASA-2010-0212_R00 Part 000	EASA	ENGINE - FAN BLADE - REPLACEMENT **VB_CFM56-5B S/B 72-0777_R02_Part000** AD_FAA-2012-02-03_R00_Part000	**NOAP**			21X43183	INSTALLED S/N NOT AFFECTED
EASA-2012-0123_R00 Part 000	EASA	HMU - OPERATIONAL LIMITATION (CIS)					Supers. by: EASA-2017-0065

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
EASA-2014-0130_R00	EASA	TIME LIMITS - ENGINE STATIONARY PARTS -					
Part 000		**EO_05-EO-527028_R01_Part000**	**NOPE**	X	At next engine shop visit	54X43183	REVIEW AT EACH THRUST RATING CHANGE LPT CASE LIFE LIMIT COVERED BY CHAPTER 5 OF THE ESM
			NOPE	X	At next engine shop visit	56X43183	REVIEW AT EACH THRUST RATING CHANGE TRF LIFE LIMIT COVERED BY CHAPTER 5 OF THE ESM
EASA-2017-0065_R00	EASA	ENGINE FUEL AND CONTROL - HYDRO-MECHANIC					Supersedes: EASA-2012-0123
Part 000		**VB_CFM56-5B S/B 73-0122_R12_Part000**	**NOPE**	X		82X43183	CONTROLLED BY OPERATOR
			NOPE	X		91X43183	CONTROLLED BY OPERATOR
EASA-2017-0084_R00	EASA	ENGINE - RADIAL DRIVE SHAFT - REPLACEMEN					
Part 000		**VB_CFM56-5B S/B 72-0934_R01_Part000** AOT_AOT A72N007-16_R00_Part000 AD_FAA-2017-05-09_R00_Part000	**NOAP** **NOAP**			23X43183 62X43183	INSTALLED P/N NOT AFFECTED INSTALLED P/N NOT AFFECTED
EASA-2017-0132R2	EASA	ENGINE - FORWARD ENGINE MOUNT MAIN BEAM					Supersedes: EASA-2017-0132R1,BUL,000,00
Part 000		**VB_RA32071-159_R02_Part000** AD_FAA-2018-12-02_R00_Part000 VB_RA32071-159_R02_Part001	**PERF** Nov28,2019			75X43183	
EASA-2020-0044_R00	EASA	ENGINE - HIGH-PRESSURE TURBINE INNER STA					
Part 000		**VB_CFM56-5B S/B 72-0952_R01_Part000** AD_FAA-2021-10-09_R00_Part000	**NOAP** **NOAP**			41X43183 52X43183	INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
see previous page		**VB_CFM56-5B S/B 72-0952_R01_Part001** AD_FAA-2021-10-09_R00_Part000	**NOAP** **NOAP** **NOAP**			41X43183 52X43183 61X43183	INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED
EASA-2020-0085_R00 Part 000	EASA	POWERPLANT - AFT ENGINE MOUNTS RETAINERS					Supers. by: EASA-2020-0085R1,BUL,000,00 Supersedes: EASA-2017-0251
EASA-2020-0085R1 Part 000	EASA	POWERPLANT - AFT ENGINE MOUNT RETAINERS **VB_RA32071-146_R02_Part000** AOT_AOT A320-A71N001-12_R02_Part000 AD_FAA-2016-14-09_R00_Part000 AD_FAA-2017-04-10_R00_Part000 VB_RA32071-146_R02_Part001 VB_RA32071-146_R02_Part900 VB_RA32071-160_R01_Part900 **VB_RA32071-160_R01_Part000** SB_A320-71-1060_R02_Part000 AD_FAA-2016-14-09_R00_Part000 AD_FAA-2017-04-10_R00_Part000 VB_RA32071-160_R01_Part900 **VB_RA32071-164_R04_Part000** SB_A320-71-1071_R00_Part000 AD_FAA-2021-05-20_R00_Part000 **VB_RA32071-165_R00_Part000** SB_A320-71-1070_R00_Part000 AOT_AOT A71N011-15_R01_Part000 AD_FAA-2016-14-09_R00_Part000 AD_FAA-2017-04-10_R00_Part000	 **NOAP** **NOAP** **PREV** Jan10,2022 **NOAP**			 75X43183 75X43183 75X43183 75X43183	Supersedes: EASA-2017-0251 Supersedes: EASA-2020-0085,BUL,000,00 N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
EASA-US-2009-11-02_R00 Part 000	EASA	HPC 4-9 SPOOL					Supers. by: FAA-2009-11-02C1
2002-13-03_R00 Part 000 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; FAN DISK **2002-13-03_R00_Part000** AD_2002-390-IMP_R00_Part000	**NOPE**	X	At next piece part level exposure	21X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 001 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; FAN SHAFT **2002-13-03_R00_Part001** AD_2002-390-IMP_R00_Part001	**NOPE**	X	At next piece part level exposure	22X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 002 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPT DISK **2002-13-03_R00_Part002** AD_2002-390-IMP_R00_Part002	**NOPE**	X	At next piece part level exposure	52X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 003 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPT FR ROT AIRSEAL **2002-13-03_R00_Part003** AD_2002-390-IMP_R00_Part003	**NOPE**	X	At next piece part level exposure	52X43183	Supersedes: 2000-12-01,BUL,000,00

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
2002-13-03_R00 Part 004 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPC STG 1-2 SPOOL **2002-13-03_R00_Part004** AD_2002-390-IMP_R00_Part004	**NOPE**	X	At next piece part level exposure	31X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 005 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPC STAGE 3 DISK **2002-13-03_R00_Part005** AD_2002-390-IMP_R00_Part005	**NOPE**	X	At next piece part level exposure	31X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 006 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPC STAGE 4-9 SPOOL **2002-13-03_R00_Part006** AD_2002-390-IMP_R00_Part006	**NOPE**	X	At next piece part level exposure	31X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 007 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPC FRONT SHAFT **2002-13-03_R00_Part007** AD_2002-390-IMP_R00_Part007	**NOPE**	X	At next piece part level exposure	31X43183	Supersedes: 2000-12-01,BUL,000,00

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
2002-13-03_R00 Part 008 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; HPC REAR AIRSEAL **2002-13-03_R00_Part008** AD_2002-390-IMP_R00_Part008	**NOPE**	X	At next piece part level exposure	31X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 009 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT STAGE 1 DISK **2002-13-03_R00_Part009** AD_2002-390-IMP_R00_Part009	**NOPE**	X	At next piece part level exposure	54X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 010 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT STAGE 2 DISK **2002-13-03_R00_Part010** AD_2002-390-IMP_R00_Part010	**NOPE**	X	At next piece part level exposure	54X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 011 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT STAGE 3 DISK **2002-13-03_R00_Part011** AD_2002-390-IMP_R00_Part011	**NOPE**	X	At next piece part level exposure	54X43183	Supersedes: 2000-12-01,BUL,000,00

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
2002-13-03_R00 Part 012 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT STAGE 4 DISK **2002-13-03_R00_Part012** AD_2002-390-IMP_R00_Part012	**NOPE**	X	At next piece part level exposure	54X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 014 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT ROTOR SUPPORT **2002-13-03_R00_Part014** AD_2002-390-IMP_R00_Part014	**NOPE**	X	At next piece part level exposure	54X43183	Supersedes: 2000-12-01,BUL,000,00
2002-13-03_R00 Part 015 Amdt.: 39-12790	FAA	ENHANCED LLP INSP; LPT SHAFT **2002-13-03_R00_Part015** AD_2002-390-IMP_R00_Part015	**NOPE**	X	At next piece part level exposure	55X43183	Supersedes: 2000-12-01,BUL,000,00
2006-26-01_R00 Part 000 Amdt.: 39-14859	FAA	REPLACING THE FUEL FILTERS ON ENGINE **2006-26-01_R00_Part000** AD_2006-26-01_R00_Part001	**NOAP**			82X43183	INSTALLED P/N NOT AFFECTED
2007-03-15_R00 Part 000 Amdt.: 39-14926	FAA	MONITORING OF EGT HARNESS **VB_CFM56-5B S/B 77-0008_R04_Part000** AD_F-2003-001R2_Part000	**NOAP**			76X43183	Supersedes: 2003-02-04 INSTALLED S/N NOT AFFECTED

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
2009-18-01_R00 Part 000 Amdt.: 39-15997	FAA	LOW PRESSURE TURBINE REAR FRAME INSPECTI **VB_CFM56-5B S/B 72-0620_R04_Part000** AD_EASA-2007-0221_R00_Part000 **VB_CFM56-5B S/B 72-0620_R04_Part001** AD_EASA-2009-0110_R00_Part000	 **NOAP** **NOAP**			 56X43183 56X43183	 INSTALLED P/N NOT AFFECTED INSTALLED P/N NOT AFFECTED
FAA-2009-11-02_R00 Part 000	FAA	HPC 4-9 SPOOL					Supers. by: FAA-2009-11-02C1
FAA-2009-11-02C1_R00 Part 000 Amdt.: 39-15912	FAA	HPC 4-9 SPOOL, IMPROPERLY REPAIRED **FAA-2009-11-02C1_R00_Part000**	 **NOAP**			 31X43183	Supersedes: EASA-US-2009-11-02 Supersedes: FAA-2009-11-02 INSTALLED P/N NOT AFFECTED
FAA-2010-09-14_R00 Part 000 Amdt.: 39-16279	FAA	REDUCTION IN THE EXHAUST GAS TEMPERATURE **VB_CFM56-5B S/B 73-0229_R02_Part000** SB_A320-73-1095_R02_Part000 VB_CFM56-5B S/B 73-0229_R02_Part900 AD_EASA-2009-0088R1C1_R00_Part000 AD_EASA-2009-0088R1C1_R00_Part900	 **PEVE** Sep14,2010			 91X43183	Supersedes: FAA-2009-01-01
FAA-2010-13-09_R00 Part 000 Amdt.: 39-16340	FAA	PREVENT UNCONTAINED FAILURE OF THE STAGE **VB_CFM56-5B S/B 72-0733_R01_Part000** AD_EASA-2009-0270_R00_Part000	 **NOAP**			 54X43183	 INSTALLED S/N NOT AFFECTED

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
FAA-2012-02-03_R00 Part 000 Amdt.: 39-16926	FAA	FAN BLADES WITH NONCONFIRMING GEOMETRY O **VB_CFM56-5B S/B 72-0777_R02_Part000** AD_EASA-2010-0212_R00_Part000	 **NOAP**			 21X43183	 INSTALLED S/N NOT AFFECTED
FAA-2013-14-06_R00 Part 000 Amdt.: 39-17511	FAA	CORROSION OF THE DELTA-P VALVE - CLEAN **VB_CFM56-5B S/B 73-0122_R12_Part002**	 **NOPE** **NOPE**	 X X		 82X43183 91X43183	 CONTROLLED BY OPERATOR CONTROLLED BY OPERATOR
FAA-2016-14-09_R00 Part 000 Amdt.: 39-18590	FAA	DETECT AND CORRECT FAILURE OF RETAINER B **VB_RA32071-146_R02_Part000** AOT_AOT A320-A71N001-12_R02_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2017-04-10_R00_Part000 VB_RA32071-146_R02_Part001 VB_RA32071-146_R02_Part900 VB_RA32071-160_R01_Part900 **VB_RA32071-160_R01_Part000** SB_A320-71-1060_R02_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2017-04-10_R00_Part000 VB_RA32071-160_R01_Part900 **VB_RA32071-165_R00_Part000** SB_A320-71-1070_R00_Part000 AOT_AOT A71N011-15_R01_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2017-04-10_R00_Part000	 **NOAP** **NOAP** **NOAP** 			 75X43183 75X43183 75X43183 	 N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
FAA-2017-04-10_R00 Part 000 Amdt.: 39-18805	FAA	DETECT AND CORRECT NON-CONFORMING RETAIN **VB_RA32071-146_R02_Part000** AOT_AOT A320-A71N001-12_R02_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2016-14-09_R00_Part000 VB_RA32071-146_R02_Part001 VB_RA32071-146_R02_Part900 VB_RA32071-160_R01_Part900 **VB_RA32071-160_R01_Part000** SB_A320-71-1060_R02_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2016-14-09_R00_Part000 VB_RA32071-160_R01_Part900 **VB_RA32071-165_R00_Part000** SB_A320-71-1070_R00_Part000 AOT_AOT A71N011-15_R01_Part000 AD_EASA-2020-0085R1_Part000 AD_FAA-2016-14-09_R00_Part000	 **NOAP** **NOAP** **NOAP**			 75X43183 75X43183 75X43183	 N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED N/A DUE TO RA32071-164 PERFORMED
FAA-2017-05-09_R00 Part 000 Amdt.: 39-18820	FAA	PREVENT FAILURE OF RDS **VB_CFM56-5B S/B 72-0934_R01_Part000** AOT_AOT A72N007-16_R00_Part000 AD_EASA-2017-0084_R00_Part000	 **NOAP** **NOAP**			 23X43183 62X43183	 INSTALLED P/N NOT AFFECTED INSTALLED P/N NOT AFFECTED
FAA-2018-12-02_R00 Part 000 Amdt.: 39-19306	FAA	PREVENT INFLIGHT FAILURE OF A FORWARD EN **VB_RA32071-159_R02_Part000** AD_EASA-2017-0132R2_Part000 VB_RA32071-159_R02_Part001	 **PERF** Nov28,2019			 75X43183	

Document Revision Part	Orig	Description **Method of Compliance** Linked documents	**Status** FH/CY Date	Rep	Next Due Date FH/CY	Equipment	Superseded by Superseding Remarks
FAA-2018-16-02_R00 Part 000 Amdt.: 39-19342	FAA	NON-CONFORMING RETAINERS OF THE AFT ENGI					Supers. by: FAA-2021-05-20,BUL,000,00
FAA-2021-05-20_R00 Part 000 Amdt.: 39-21463	FAA	REQUIRE MODIFYING AND RE-IDENTIFYING THE **VB_RA32071-164_R04_Part000** SB_A320-71-1071_R00_Part000 AD_EASA-2020-0085R1_Part000	 **PREV** Jan10,2022			 75X43183	Supersedes: FAA-2018-16-02
FAA-2021-10-09_R00 Part 000 Amdt.: 39-21542	FAA	REPL. OF HPT INNER STATIONARY SEAL **VB_CFM56-5B S/B 72-0952_R01_Part000** AD_EASA-2020-0044_R00_Part000 **VB_CFM56-5B S/B 72-0952_R01_Part001** AD_EASA-2020-0044_R00_Part000	 **NOAP** **NOAP** **NOAP** **NOAP** **NOAP**			 41X43183 52X43183 41X43183 52X43183 61X43183	 INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED INSTALLED S/N NOT AFFECTED

Component Listing

Engine Serial Number	Engine Type		Date	
643183	CFM56-5B4/3		January 3, 2023	
Part Description				
INLET COWL ASSY	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
CORE NOZZLE ASSY	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
CENTERBODY ASSY	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
CONE SPINNER FRONT	2460M74G01	FGB02MK0	2460M74G01	FGB02MK0
CONE SPINNER REAR	2406M75G01	FGB02K3M	2406M75G01	FGB02K3M
HYDRAULIC PUMP	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
STATOR ALTERNATOR	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
ROTOR ALTERNATOR	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
FIRE DETECTION FAN CASE	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
ANTI ICE VALVE	327155-3	5938B	327155-3	5938B
IDG	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
SENSOR TEMP T12	RP198-02	YC525328-Y	RP198-02	YC525328-Y
SENSOR N1 SPEED	320-557-503-0	EM184942-8	320-557-503-0	EM184942-8
STARTER VALVE	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
EXCITER IGNITION UNIT (UPPER)	10-631045-2	UNJFR342	10-631045-2	UNJFR342
EXCITER IGNITION UNIT (LOWER)	10-631045-3	LN8895	10-631045-3	LN8895
ECU	2123M56P04	LMDB5104	2123M56P04	LMDB5104

Engine Serial Number	Engine Type		Date	
643183	**CFM56-5B4/3**		**January 3, 2023**	
Part Description	**Incoming**		**Outgoing**	
	Part Number	**Serial Number**	**Part Number**	**Serial Number**
CONNECTOR IDENTIFICATION	390-611-301-0	YJ395239	390-611-301-0	YJ395239
STARTER	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
SENSOR TEMP T25	RP216-00	YC539430-3	RP216-00	YC539430-3
MODULATING VALVE FUEL (DAC)	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
MANIFOLD VALVE FUEL (SAC)	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
VALVE LPTACC	C25175100-1	EM362203-3	C25175100-1	EM362203-3
HPTCC-VALVE	329695-6	WCP6626J	329695-6	WCP6626J
ACTUATOR VARIABLE STATOR Right	1211313-010	APMWN695	1211313-010	APMWN695
ENG MOUNT ASSY FWD	642-2000-503	5613P	642-2000-503	5613P
SENSOR TEMP CPRSR DISCH / T3	505864-1	GJA82625	505864-1	GJA82625
LEAD ASSY IGNITION (UPPER)	9043110-16	UNKC3638	9043110-16	UNKC3638
THERMOCOUPLE HPTCC Right	504153-1	NOT READABLE	504153-1	NOT READABLE
SENSOR TEMP T5	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
ENGINE MOUNT ASSY REAR	642-2300-11	5362P	642-2300-11	5362P
FIRE DETECTOR TURBINE	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
SENSOR VIBRATION TURBINE	144-405-000-033	YV055405-G	144-405-000-033	YV055405-G
THERMOCOUPLE HPTCC Left	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
SENSOR FLOW BLEED BIAS	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE

Engine Serial Number	Engine Type		Date	
643183	**CFM56-5B4/3**		**January 3, 2023**	
Part Description	**Incoming**		**Outgoing**	
	Part Number	**Serial Number**	**Part Number**	**Serial Number**
HP REG VALVE	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
BLEED PRESS REG VALVE	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
IP CHECK VALVE	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
ACTUATOR VARIABLE STATOR Left	1211313-010	APMWN834	1211313-010	APMWN834
LEAD ASSY IGNITION (LOWER)	9043110-16	KAN592	9043110-16	KAN592
BLEED AIR VALVE / TRANSIENT	3291390-4	GRTV6842	3291390-4	GRTV6842
MOTOR GEAR HYDRAULIC	396800-12	EM606186-Y	396800-12	EM606186-Y
STOP MECHANISM BLEED	3282970-5	HA020677-8	3282970-5	HA020677-8
SENSOR POSTION VBV	VG22-01	YY107231-N	VG22-01	YY107231-N
ACTUATOR BALLSCREW MASTER	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
ACTURATOR BALLSCREW	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
OIL TANK CAP ASSY	436-711	LT235A1	436-711	LT235A1
OIL QUANTITY TRANSMITTER	74-110-4	AAB2522	74-110-4	AAB2522
TANK ASSY OIL	24F5202	EM478614-8	24F5202	EM478614-8
VISUAL INDICATOR	1605100-01	YU108532-6	1605100-01	YU108532-6
SENSOR TEMP OIL	TC201-01	YC403155-M	TC201-01	YC403155-M
COOLER IDG OIL	45731-1391	YB009740-6	45731-1391	YB009740-6
OIL TEMP TRANSMITTER	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE

Engine Serial Number	Engine Type		Date	
643183	**CFM56-5B4/3**		**January 3, 2023**	
Part Description				
LOW OIL PRESSURE SWITCH	336-477-901-0	SK870	336-477-901-0	SK870
FUEL DIFF PRESS SWITCH	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
OIL PRESS TRANSMITTER	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
VALVE FUEL RETURN	8910-332	EM077611-W	8910-332	EM077611-W
HYDRAULIC LOW PRESSURE SWITCH	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
HYDRAULIC FILTER ASSY	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED	NOT INSTALLED
CHIP DETECTOR	5507-910-0	YU092746-9	5507-910-0	YU092746-9
DEBRIS MONITOR	5507-902-0	YU89154-E	5507-902-0	YU89154-E
LUBRICATION UNIT	337-075-105-0	YT0914756-C	337-075-105-0	YT0914756-C
TRANSMITTER CLOGGING OIL	QA07638 ISS1	RV4-1841	QA07638 ISS1	RV4-1841
HEAT EXCHANGER OIL-FUEL	45332-8039	YB040439-1	45332-8039	YB040439-1
HEATER SERVO FUEL	45731-1382	EM160920-0	45731-1382	EM160920-0
UNIT HYDROMECHANICAL	8061-536	WYGH2344	8061-536	WYGH2344
TRANSMITTER FUEL FLOW	8TJ167GHV1	FDTD9145	8TJ167GHV1	FDTD9145
FUEL NOZZLE FILTER	FA00914D	EM378965-2	FA00914D	EM378965-2
PUMP FUEL	724400-2	EM598377-H	724400-2	EM598377-H
SENSOR N2 SPEED	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE
SENSOR VIBRATION BRG #1	NOT READABLE	NOT READABLE	NOT READABLE	NOT READABLE

Engine Serial Number	Engine Type		Date	
643229	**CFM56-5B4/3**		**November 2, 2022**	
Part Description	**Incoming**		**Outgoing**	
	Part Number	**Serial Number**	**Part Number**	**Serial Number**
HYDRAULIC COUPLING QUICK DISCONNECT	AE81266P	A07/10	AE81266P	A07/10

AeroDirect Technical Records

03 January 2023