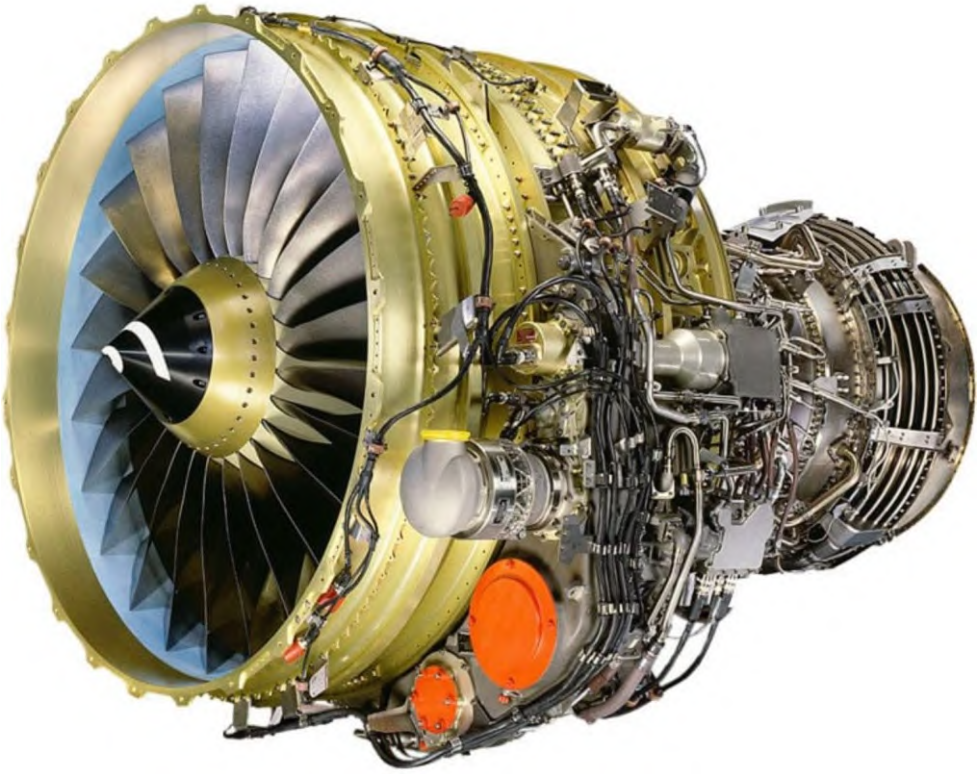


Manufacturer: CFM International
Model: CFM56-7B
ESN:
TSN: 49 939 FH
CSN: 29 890 FC
TSEHM: 18 876 FH
CSEHM: 11 274 FC

Life Limited Parts Status 23 April 2020

Engine Type	**CFM56-7B26**
Manufacturer	**CFM**
Engine Serial Number	
Time Since New	**49 939**
Cycles Since New	**29 890**
Time Since Engine Heavy Maintenance	**18 876**
Cycles Since Engine Heavy Maintenance	**11 274**

Description	Part No.	Serial No.	LIFE LIMIT	CSN	USAGE	REMAINING CYCLES
BOOSTER SPOOL	340-000-816-0	DE458631	23 600	11 274	11 274	12 326
STAGE 1 FAN DISK	340-000-420-0	PA368558	30 000	11 274	11 274	18 726
FAN SHAFT	335-006-414-0	DE802296	30 000	11 274	11 274	18 726
HPC FRONT SHAFT	1386M56P03	GWN0N16D	20 000	11 274	11 274	8 726
HPC STAGE 1/2 SPOOL	1558M31G07	GWN0MN16	20 000	11 274	11 274	8 726
HPC STAGE 3 DISK	2116M23P01	XAEK4631	20 000	11 274	11 274	8 726
HPC STAGE 4/9 SPOOL	2048M20G03	GWN0N0A1	20 000	11 274	11 274	8 726
HPC REAR AIR SEAL	2116M25P01	GFF5FCWW	20 000	11 274	11 274	8 726
HPT FRONT SHAFT	2048M21P03	FCV02472	20 000	11 274	11 274	8 726
HPT FRONT AIRSEAL	2116M20P02	TMT5CP26	20 000	11 274	11 274	8 726
HPT DISK	1498M43P07	GWN0MWJN	20 000	11 274	11 274	8 726
HPT REAR SHAFT	1864M90P04	TMT7U441	20 000	11 274	11 274	8 726
LPT STAGE 1 DISK	336-001-804-0	PA408744	25 000	11 274	11 274	13 726
LPT STAGE 2 DISK	336-001-909-0	PA322560	25 000	11 274	11 274	13 726
LPT STAGE 3 DISK	336-002-006-0	PA738774	25 000	11 274	11 274	13 726
LPT STAGE 4 DISK	336-002-105-0	PA447972	25 000	11 274	11 274	13 726
LPT ROTOR SUPPORT	338-077-502-0	DE661132	25 000	11 274	11 274	13 726
LPT SHAFT	340-074-723-0	PA438449	25 000	11 274	11 274	13 726
LPT REAR FRAME	340-027-113-0	DA704905	N/L	29 890	N/L	N/L
First Limiter						**8 726**

NOTE: THIS LLP RECORD IS BASED ON INFORMATION SUPPLIED BY OPERATORS

NOTE: TRACKING OF LLP HISTORY IS OPERATORS RESPONSIBILITY

Prepared

Report Date:11-May·2020

1. Approving Civil Aviation Authority/Country: FAA/United States	2.	3. Form Tracking Number:
	AUTHORIZED RELEASE CERTIFICATE **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	Q.C.-18900-601-2020

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
IAI Israel Aerospace Industries Ltd BEDEK Aviation Group *Ben Gurion International Airport 70100 Israel, Certificate No.: MK1Y325K*	2020A-601

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ENGINE	CFM56-7B26	1EA	[redacted]	INSPECTED

12. Remarks:

ENGINE TSN: 49939 CSN; 29890

1. ENGINE WAS REMOVED IN A SERVICEABLE CONDITION FROM AIRCRAFT 4X-EKP AFTER POWER ASSURANCE CHECK I.A.W. B737 AMM TASK 71-00-00-700-813-F00 REV 15 FEB 2020.
2. GENERAL RECEIVING INSPECTION,GENERAL VISUAL INSPECTION OF ENGINE SYSTEMS/SECTIONS,PERFORMED I.A.W ENGINE SHOP MANUAL P/N:CFMI-TP. SM. 10 REV. 60 JUL 15, 2019.
3. FULL VIDEO BORESCOPE INSPECTION ACCOMPLISHED I.A.W. ENGINE SHOP MANUAL P/N: CFMI-TP.NT.11 REV.38 NOV 30, 2011. AND AMM 72-00-00/601 REV. 71 15/FEB/2020.
4. ENGINE OIL AND FUEL SYSTEMS PRESERVED FOR 365 DAYS I.A.W. BOEING AMM TASK 71-00-03-600-811-F00. EXPIRY DATE APR 20, 2021
5. OPEN ACTION ITEMS MUST BE CLOSED BY THE CUSTOMER PRIOR TO INSTALLATION OF THE ENGINE ON THE A/C.

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: **MK1Y325K**
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): D. NOVIK	14e. Date (dd/mmm/yyyy): 10/MAY/2020

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Block 13a and 14a 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	2. **AUTHORISED RELEASE CERTIFICATE**	3. Form Tracking Number
EASA	EASA FORM 1	Q.C.-18900-601-2020

4. Organisation Name and Address:	5. Work Order/Contract/Invoice
IAI Israel Aerospace Industries Ltd BEDEK Aviation Group *Ben Gurion International Airport 70100 Israel*	2020A-601

6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
1	ENGINE	CFM56-7B26	1EA	[redacted]	INSPECTED/TESTED

12. Remarks

ENGINE TSN: 49939 CSN; 29890

1. ENGINE WAS REMOVED IN A SERVICEABLE CONDITION FROM AIRCRAFT 4X-EKP AFTER POWER ASSURANCE CHECK I.A.W. B737 AMM TASK 71-00-00-700-813-F00 REV. 15 FEB 2020.
2. GENERAL RECEIVING INSPECTION,GENERAL VISUAL INSPECTION OF ENGINE SYSTEMS/SECTIONS,PERFORMED I.A.W ENGINE SHOP MANUAL P/N:CFMI-TP. SM. 10 REV. 60 JUL 15, 2019.
3. FULL VIDEO BORESCOPE INSPECTION ACCOMPLISHED I.A.W. ENGINE SHOP MANUAL P/N: CFMI-TP.NT.11 REV.38 NOV 30, 2011. AND AMM 72-00-00/601 REV. 71 15/FEB/2020.
4. ENGINE OIL AND FUEL SYSTEMS PRESERVED FOR 365 DAYS I.A.W. BOEING AMM TASK 71-00-03-600-811-F00. EXPIRY DATE APR 20, 2021
5. OPEN ACTION ITEMS MUST BE CLOSED BY THE CUSTOMER PRIOR TO INSTALLATION OF THE ENGINE ON THE A/C.

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 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 471	14c. Certificate/Approval Ref. No. **EASA.145.0029**
13d. Name	13e. Date (dd mmm yyyy)	14d. Name D. NOVIK	14e. Date (dd mmm yyyy) 10 MAY 2020

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 and 14a 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 国家 Country	2. 中国民用航空总局 CAAC ☐符合性 Conformity ☒适航性 Airworthiness	3 证书编号 Certificate Ref. No.
中国 CHINA	批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG	Q.C.-18900-601-2020

4 单位 Organization	5 工作单/合同单/货单 Work Order/Contract/Invoice
IAI Israel Aerospace Industries Ltd BEDEK Aviation Group Ben Gurion International Airport 70100 Israel	2020A-601

6 序号 Item	7 内容 Description	8 件号 Part No.	9 适用性 Eligibility	10 数量 Qty	11 系列号/批号 Serial/Batch No.	12 产品状态 Status/Work
1	ENGINE	CFM56-7B26	N/A	1	[redacted]	INSPECTED/TESTED

13 备注 Remarks

ENGINE TSN: 49939 CSN; 29890

1. ENGINE WAS REMOVED IN A SERVICEABLE CONDITION FROM AIRCRAFT 4X-EKP AFTER POWER ASSURANCE CHECK I.A.W. B737 AMM TASK 71-00-00-700-813-F00 REV 15 FEB 2020.
2. GENERAL RECEIVING INSPECTION,GENERAL VISUAL INSPECTION OF ENGINE SYSTEMS/SECTIONS,PERFORMED I.A.W ENGINE SHOP MANUAL P/N:CFMI-TP. SM. 10 REV. 60 JUL 15, 2019.
3. FULL VIDEO BORESCOPE INSPECTION ACCOMPLISHED I.A.W. ENGINE SHOP MANUAL P/N: CFMI-TP.NT.11 REV.38 NOV 30, 2011. AND AMM 72-00-00/601 REV. 71 15/FEB/2020.
4. ENGINE OIL AND FUEL SYSTEMS PRESERVED FOR 365 DAYS I.A.W. BOEING AMM TASK 71-00-03-600-811-F00. EXPIRY DATE APR 20, 2021
5. OPEN ACTION ITEMS MUST BE CLOSED BY THE CUSTOMER PRIOR TO INSTALLATION OF THE ENGINE ON THE A/C.

14 新产品 New Parts

~~兹声明上述产品除第13项的其它规定以外，已按照上述国家适航条例进行制造/检查，~~
~~并且该产品（出口产品）符合经批准的型号设计资料和进口国提出的专用要求。~~
Certifies that the Part(s) identified above ~~except as otherwise specified in block 13 was~~(were) manufactured/inspected in accordance with the ~~airworthiness~~ regulations of the stated country and/or in the case of ~~parts to be exported~~ with the ~~approved design data and with the notified special requirements of the importing country.~~

15 使用过的产品 Used Parts

兹声明上述产品除第13项的其它规定以外，已按照上述国家适航条例和进口国通知的特殊要求进行了工作，该产品处于安全可用状态可以批准放行使用。
Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work, the part(s) is (are) in condition for safe operation and considered ready for release to service. (over)

16 批准人签名 Signature	18 批准日期 Date	19 中国民航总局授权 Issued by or on behalf of the CAAC
	10 MAY 2020	F97200221

17 批准人姓名（打印的） Name(Printed) D. NOVIK

批准放行证书/适航批准标签
AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG
使用者/安装者职责
USER/INSTALLER RESPONSIBILITIES

（1） 必须明确：本文件并不批准零件/组件/部件可以装到有关产品上。
（2） 当使用者/安装者使用的是所在国适航当局的条例，而不是本表第1项中所指国家适航当局的条例时，使用者/安装者必须保证所在 国的适航当局能接受所指国家适航当局批准出口的零件/组件/部件。
（3） 表中第14项、第15项的陈述，并不说明本表是安装批准。在所有情况下，航空器使用前，航空器使用者/安装者应把按本国适航 条例颁发的安装批准放入维修记录中。
(1) It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
(2) Where the user/installer works 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 ensure that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.
(3) Statements 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

AAC-038(12/94)

*参阅产品目录详细查找适用性 Cross-check eligibility for more details with parts catalogue

BORESCOPE INSPECTION CFM56-7	CHG. 38
REF: ESM NDT MANUAL PART 7 AMM 72-00-00	DATE: 30.11.2011

ENGINES DIVISION
Bedek Aviation Group
ISRAEL AEROSPACE INDUSTRIES LTD

FAA CRS No. MK1Y325K
EASA APPROVAL No. 145.0029
C.A.A.I - 01

ISSUED BY: O. HARARI

APPROVED BY: J. HERMANN

Customer	Engine Serial Number	Engine Model	Engine Total Time
EL AL	[redacted]	CFM56-7B	49939
Performed By:	**Sign:**	**Work Order**	**Engine Total Cycles**
Y.Zioni	EM 161	------	29890
Inspected By:	**Sign:**	**Date**	**Borescope Set**
M.Fraiberg	BED 155 LIC.03032	11.05.2020	1707A3592

Video Created: ☒ No Video Created: ☐ Before Test: ☒ After Test: ☐

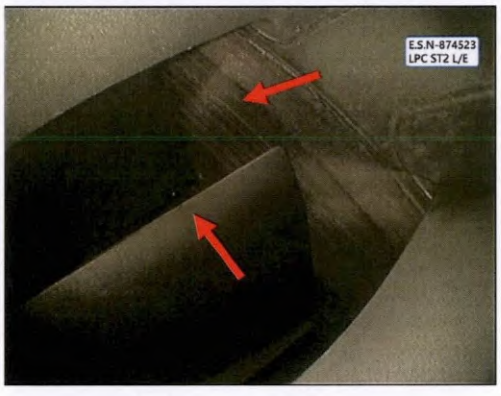
MODULE/STAGE	SERVICEABLE	SERVICEABLE WITH DAMAGE	NOT SERVICEABLE	NOT PERFORMED	REMARKS
Low Pressure Compressor					
Fan Blades	☐	☒	☐	☐	
Stage 2 Rotor	☐	☒	☐	☐	
Stage 3 Rotor	☐	☒	☐	☐	
Stage 4 Rotor	☐	☒	☐	☐	
High Pressure Compressor					**SB 72-0986 is performed**
Stage 1 Rotor	☒	☐	☐	☐	
Stage 2 Rotor	☐	☒	☐	☐	
Stage 3 Rotor	☐	☒	☐	☐	
Stage 4 Rotor	☐	☒	☐	☐	
Stage 5 Rotor	☐	☒	☐	☐	
Stage 6 Rotor	☐	☒	☐	☐	
Stage 7 Rotor	☐	☒	☐	☐	
Stage 8 Rotor	☐	☒	☐	☐	
Stage 9 Rotor	☐	☒	☐	☐	
Combustion Section					
Inner Liners Including Dome	☐	☒	☐	☐	
Outer Liners	☐	☒	☐	☐	
HPT Nozzles	☐	☒	☐	☐	
High Pressure Turbine					
Rotor Blades	☒	☐	☐	☐	
HPT Shroud	☐	☒	☐	☐	
Low Pressure Turbine					
LPT Nozzle	☐	☒	☐	☐	
Stage 1 Rotor	☐	☒	☐	☐	
Stage 2 Rotor	☐	☒	☐	☐	
Stage 3 Rotor	☒	☐	☐	☐	
Stage 4 Rotor	☒	☐	☐	☐	

Low Pressure Compressor Module:

Location	Port	EA	Findings	Remarks
Fan Blades		24	Few blades with minor dents on L/E within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPC Stage 2 Rotor		74	Slight rubbing marks on abradable shroud within AMM limits. One blade with minor dent on L/E within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

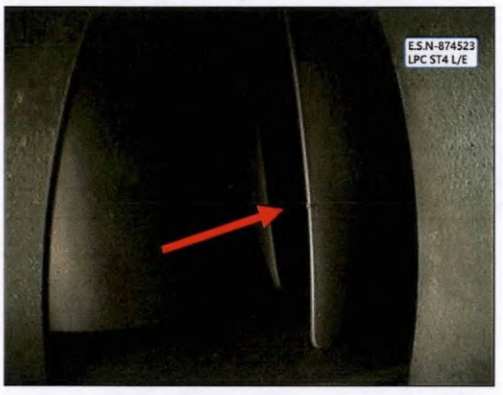
MINOR DENT ON L/E & RUBBING MARKS



Location	Port	EA	Findings	Remarks
LPC Stage 3 Rotor	S0	78	Rubbing marks on abradable shroud within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPC Stage 4 Rotor	S0	74	Few blades with minor dents on L/E within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

MINOR DENT ON L/E



High Pressure Compressor Module:

Location	Port	EA	Findings	Remarks
HPC Stage 1 Rotor	S1 S2	38	Normal.	
IAW AMM 72-00-00:	Serviceable ☒		Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
HPC Stage 2 Rotor	S2 S3	53	Few blades with minor dents on L/E different area within AMM limits. One blade with small nick on L/E area "A" within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒		Not Serviceable ☐	

Pin Migration			No findings	**Inspector:** EM 161	**Done in accordance with CFM56-7B S/B 72-0986**
IAW AMM 72-00-00:	Serviceable ☒		Not Serviceable ☐		

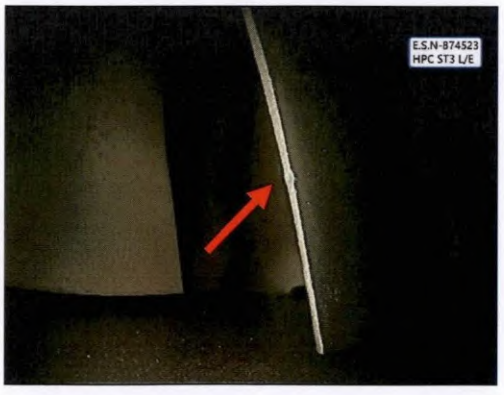
HPC Stage 2 small crack on L/E

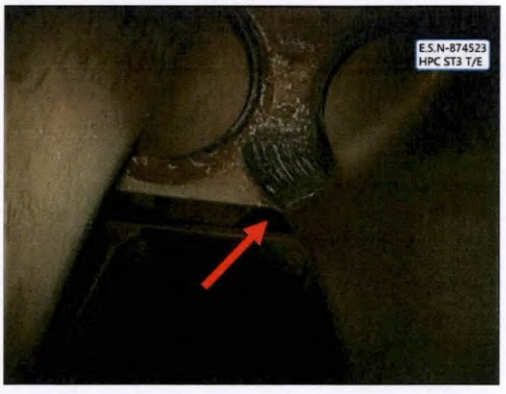
High Pressure Compressor Module:

Location	Port	EA	Findings	Remarks
HPC Stage 3 Rotor	S3 S4	60	Few blades with minor dents on L/E area "B" within AMM limits. Shroud rubbing on stator vane within AMM limits. **Task: 72-00-00-200-817-F00** **Subtask: 72-00-00-290-011-F00** **Paragraph 3, (s), (1)**	
IAW AMM 72-00-00: Serviceable ☒ Not Serviceable ☐				

Pin Migration			No findings	**Inspector:** EM 161	**Done in accordance with CFM56-7B S/B 72-0986**
IAW AMM 72-00-00: Serviceable ☒ Not Serviceable ☐					

HPC Stage 3 MINOR DENT ON L/E **SHROUD RABBING**

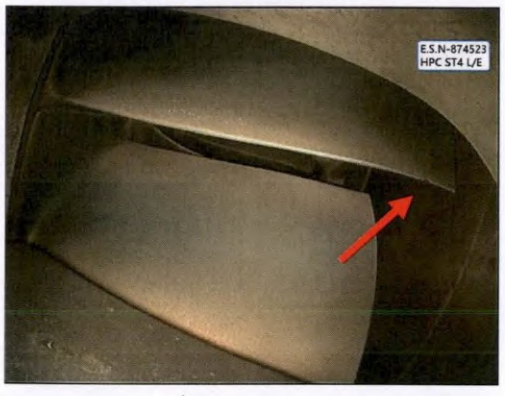




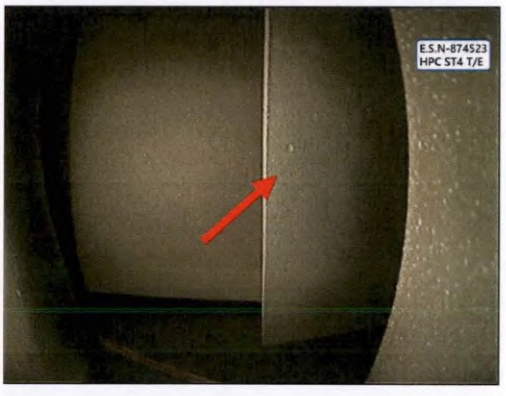
High Pressure Compressor Module

Location	Port	EA	Findings	Remarks
HPC Stage 4 Rotor	S4 S5	68	Few blades with minor dents on L/E different areas within AMM limits. One blade with small nick on L/E area "A" within AMM limits. One blade with minor dent on T/E airfoil concave side within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒ Not Serviceable ☐			

SMALL NICK ON L/E



MINOR DENT ON T/E AIRFOIL



Location	Port	EA	Findings	Remarks
HPC Stage 5 Rotor	S5 S6	75	Several blades with minor dents on L/E area "B" within AMM limits. Few blades with small dents on L/E within area "B" AMM limits. Few blades with minor dents on T/E area "A" within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒ Not Serviceable ☐			

SMALL DENTS ON L/E

Location	Port	EA	Findings	Remarks
HPC Stage 6 Rotor	S6 S7	82	Several blades with small dents on L/E different areas within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒	Not Serviceable ☐		

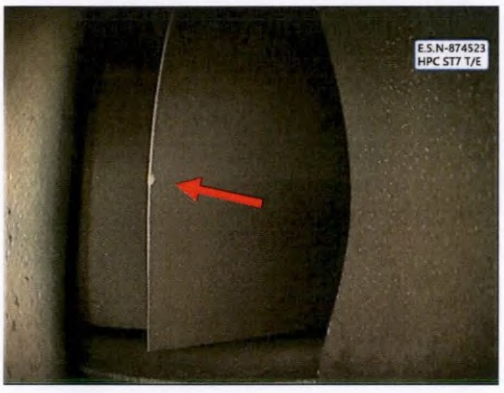
SMALL DENTS ON L/E

High Pressure Compressor Module

Location	Port	EA	Findings	Remarks
HPC Stage 7 Rotor	S7 S8	82	Several blades with minor dents on L/E area "B" within AMM limits. One blade with minor dent on T/E area "B" within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒	Not Serviceable ☐		

MINOR DENT ON L/E

MINOR DENT ON T/E



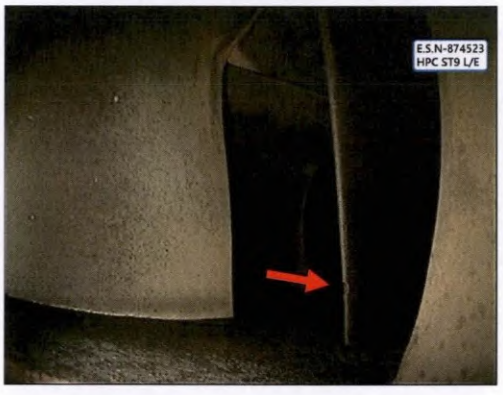
Location	Port	EA	Findings	Remarks
HPC Stage 8 Rotor	S8 S9	80	Several blades with minor dents on L/E different areas within AMM limits. Few blades with small dents on L/E different areas within AMM limits. One blade with minor dent on T/E area "A" within AMM limits.	
IAW AMM 72-00-00:	Serviceable ☒	Not Serviceable ☐		

SMALL DENTS ON L/E

High Pressure Compressor Module:

Location	Port	EA	Findings	Remarks
HPC Stage 9 Rotor	S9	76	Few blades with minor dents on L/E different areas within AMM limits. One blade with small dent on L/E area "A" within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

SMALL DENT ON L/E



Combustion Chamber Section:

Location	Port	EA	Findings	Remarks
Outer Liner & Dome	S10 to S15	1	Exhibiting slight missing material on the deflectors within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

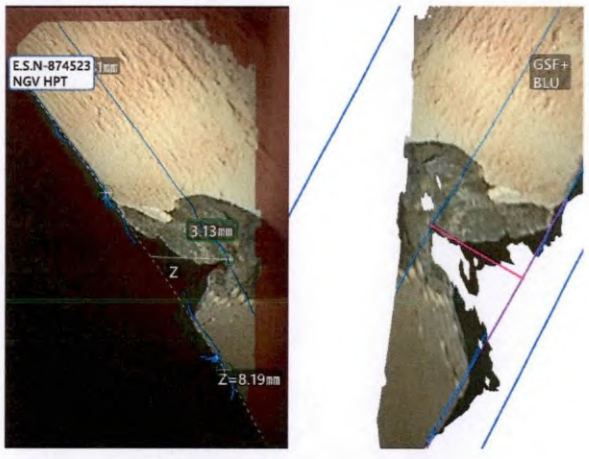
Location	Port	EA	Findings	Remarks
Inner Liner	S10 to S15	1	Exhibiting coating missing on inner liner within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

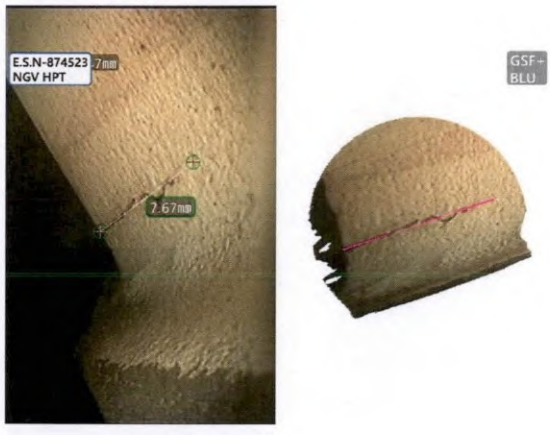
Location	Port	EA	Findings	Remarks
Fuel Nozzles	S10 to S15	20	Normal	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Combustion Chamber Section:

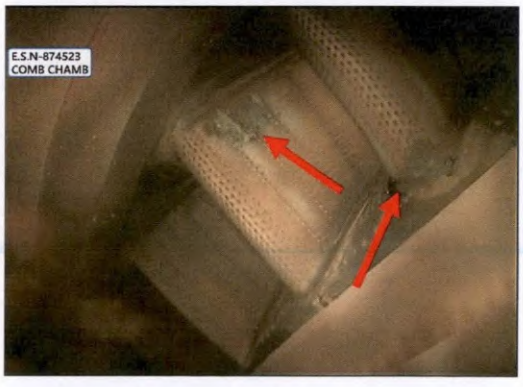
Location	Port	EA	Findings	Remarks
HPT Nozzle Guide Vanes	S10 to S15	42	Few vanes with burn signs on L/E within AMM limits. Several vanes with short axial cracks on T/E within AMM limits. Several vanes with scratches on outer platform within AMM limits. Several vanes with missing material on T/E within AMM TASK72-00-00-220-801-F00 SUBTASK 72-00-00-220-006-F00	
IAW AMM 72-00-00:	Serviceable ☒	Not Serviceable ☐		

HPT NGV'S (T/E)





HPT NGV'S (L/E)



High Pressure Turbine Module:

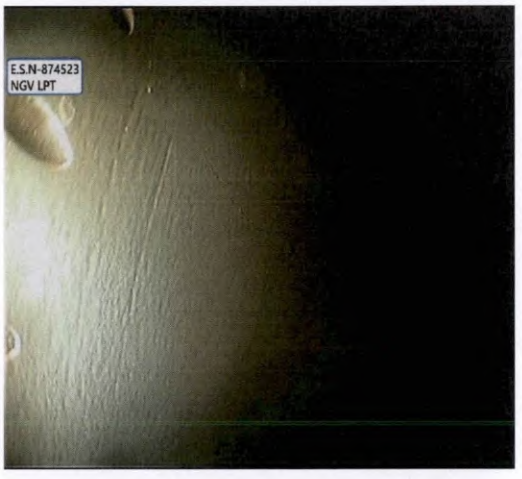
Location	Port	EA	Findings	Remarks
HPT Stage 1 Rotor	S16 S17	80	Normal	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings				Remarks
			Blade 1	**Blade 20**	**Blade 40**	**Blade 60**	
HPT Stage 1 Rotor Notch	S16 S17		2	2.5	2.25	1.25	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐				

Location	Port	EA	Findings	Remarks
HPT Shroud	S16		Exhibiting axial cracks on shroud segments within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPT Nozzle	S17		Exhibiting 7 axial cracks on L/E within AMM limits. 2 vanes on set have axial cracks more than 3/4 of chord wide, but not a full crack, not same segment and not same airfoil within AMM limits. **TASK: 72-00-00-200-811-F00** **SUBTASK: 72-00-00-210-082-F00** **Paragraph F (2.d) use Table 1 (figure 636).**	
IAW AMM 72-00-00:	Serviceable ☒ Not Serviceable ☐			

Crack 1(Two pictures illustrate the same crack)



Crack 2 (Two pictures illustrate the same crack)

Low Pressure Turbine Module:

Location	Port	EA	Findings	Remarks
LPT Stage 1 Rotor	S16 S17	162	Several blades with coating missing on L/E within AMM limits.	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPT Stage 2 Rotor	S18	150	One blade with small dent on L/E not in area "E" within AMM limits. **TASK: 72-00-00-200-808-F00** **Subtask: 72-00-00-210-065-F00** **Paragraph 2 (b)**	
Stator			Normal	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPT Stage 3 Rotor	S19	150	Normal	
Stator			Normal	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

Location	Port	EA	Findings	Remarks
LPT Stage 4 Rotor	S20	134	Normal	**ST4 T/E NOT PERFORMED** **Exhaust is installed**
Stator			Normal	
IAW AMM 72-00-00:			Serviceable ☒ Not Serviceable ☐	

[redacted]

Subject: FW: FW: FINAL ANSWER: Routine / Normal - May 18th, 2020 - [CSC/CFM/2020-05/00056-A] - ISRAEL AEROSPACE INDUSTRIES - CFM56-7B - Boeing AMM, Borescope Inspection, 72-00-00, Stage 1 LPT Nozzle Guide Vanes Insp

From : CFM
To : ISRAEL AEROSPACE INDUSTRIES

CSC Case Number: CSC/CFM/2020-05/00056-A.
Subject : Boeing AMM, Borescope Inspection, 72-00-00, Stage 1 LPT Nozzle Guide Vanes Insp
Product : CFM56-7B
Priority : Routine / Normal

CSC Case Initiation Date: May 4th, 2020
Customer Requested Date : May 18th, 2020
Customer Commit Date : May 18th, 2020

//

May 4th, 2020

Dear Customer,

With reference to your below request, please find hereafter our Customer Support specialist final answer :
According to table 1 , if no missing material, no radial crack ,no full crack, no multiple cracks is observed during FLEX BSI , just 2 partial axial cracks , the engine is serviceable without restriction .

with reference to paragraph , F2c , engine has to be re inspected within 1600 cycles if there are **more than 8 partial axial cracks** more than 3/4 of the chord width. this is not the case in your report .

For any correspondence, please keep [CSC/CFM/2020-05/00056-A] in the object of your reply.
_____best regards

[redacted] CFM56-PSE_____
YOUR QUESTION:

Hello!
As per Boeing AMM, Borescope Inspection, 72-00-00, Stage 1 LPT Nozzle Guide Vanes Inspection, Task 72-00-00-200-811-F00, Paragraph F.2.C (subtask 72-00-00-210-082-F00), axial crack that is greater than 3/4 chord width and is not considered as a full crack, and applies to all paragraph F.2.C limits, requires continue in service limit of 1600 cycles for repetitive borescope inspection.

In the same subtask, paragraph F.2.d, advise to use the continue in service limits in Table 1 to 4 (figure 636). In those tables a vanes with zero full crack, zero holes, no multi crack and no radial crack has NO RESTRICTION for repetitive borescope inspection.

Additionally as per table 1 only a vane with multi crack with no other discrepancies requires a 1600 cycles repetitive borescope inspection

In our case we have an engine with 2ea axial cracks on the LPTNGV1 set, each more than 3/4 of chord wide (not a full crack) and thecracks are not on the same segment and not on the same airfoil. As per paragraph F.2.C it requires a 1600 cycles repetitive borescope inspection and as per figure 636 table 1 no restriction.

Please your advise

//

Thanks for contacting CFM. Let us remind you that the best way to contact us is using our AskCFM widget available on myCFMportal www.mycfmportal.com

Default Profile 60

EL AL Israel Airlines
Head Office P.O.Box 41
Ben-Gurion Airport
7015001, Israel
Israel

Registration	Barcode	W/O
4X-EKP B737NG 800	WO36190419	36190419 MCC REQUEST

Type	Origin	ATA	Position	Zone	Area
S SCHED	MCC MCC REQUEST	71-00 POWER PLANT (GENERAL)	R ENG ESN 874523 RIGHT ENGINE	N/A	LINE A/E LINE A/E

Classifications/Statistics/Requests

Line/Heavy: LINE MAINTENANCE

Description Step 1 — NOAM DVORI (E083844), 19.Apr.2020

POWER PLANT (GENERAL)

MCC REQ:
PERFORM PRESERVATION OF ENGINE NO.2 FROM ONE MONTH TO ONE YEAR (ENGINE ON-WING).
IAW AMM TASK 71-00-03-600-811-F00.
OIL AND FUEL !!!!

Action Step 1-1 — TOMER MOR (E097898), 20.Apr.2020

1 OIL PRESERVATION DONE ENG # 2 IAW TASK 71-00-03-600-511-F00.(E00737).(E050218).
2) FUEL PRESERVATION TO BE DONE
FUEL PRESERVATION DONE FROM ONE MONTH TO ONE YEAR. IAW SUBTASK 71-00-03-620-013-F00 .

Performed by: TOMER MOR (E097898)

Work Performed

Date	Total Aircraft Hours	Total Aircraft Cycles	Place / Station	Closing Sign / Stamp
26.Apr.2020 11:06	66293:07	20280	TLV	YEHUDA REUVEN (E075523)

Released To Service

THIS CERTIFIES THAT THE WORK DESCRIBED, EXCEPT AS OTHERWISE SPECIFIED, WAS CARRIED OUT IN ACCORDANCE WITH ISRAEL CAA AMO NO. 07 POLICY AND IN RESPECT OF THAT WORK THE AIRCRAFT / AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE.
CAAI REPAIR STATION #7

Date: 26.Apr.2020 11:06
Stamp / Sign: YEHUDA REUVEN (E075523)

DIRTY FINGER PRINT ENTERED IN AMOS

LY PO 96699

Preservation Tag

Item Description	POWER PLANT CFM56	S/N	874523
P/N	CFM56-7B26		
Preservation type	☒ Oil	☒ Fuel	☐ Other _____

Reference: ENGINE PRESERVATION DONE IAW AMM 71-00-03-620-013-F00 FROM ONE MONTH TO ONE YEAR

	Name	Stamp	Date
Performed By:	ILIA KARMINSKY	LY PO 96699	20/APR/2020

JUN-2018

EL AL
IT'S NOT JUST AN AIRLINE, IT'S ISRAEL

Subject: Non Incident Statement

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number [redacted]

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number [redacted] we hereby confirm that to the best of our knowledge the above mentioned Engine, together with its subparts and components, during its operation with EL AL, from 27.07.2015 until 22.04.2020.

a) Has not been involved in any accident (according to I.C.A.O Annex 13 Paragraph B), serious incident (according to I.C.A.O Annex 13 chapter 1) or subjected to severe impact, stress, heat or fire.
b) Has not been operated by or obtained from any government or military entities.
c) Has not had any parts acquired from any government or military source.
d) Has not been immersed in salt water or otherwise exposed to corrosive agents outside normal operation.

Furthermore, during the time the above mentioned engine was operated by EL AL, we can confirm that this engine was not altered from its original approved Type Certificate or Type Design.

Signature:

Name: Nissim Pinhas

Title: QC Quality Control Manager

Stamp: EL-AL Israel Airlines

EL AL FAA Repair Station
Engineering Administration & Records
Number EILY551D

Subject: Statement of Conformity

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number:

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number, we hereby confirm that to the best of our knowledge the above mentioned Engine, together with its subparts and components, during its operation with EL AL, from 27.07.2015 until 22.04.2020:

1. Has been maintained in accordance with an approved Maintenance Program and in compliance with the manufacturer's guidelines, standard practices and the applicable Civil Aviation regulatory requirements.
2. Has been maintained in accordance with the Boeing CMP for operations under the 120 minutes ETOPS.
3. Has been operated using the Mobil Jet II Engine Oil.
4. Had no PMA or unapproved parts installed.
5. Had no DER or non-TCH repairs or modifications incorporated.
6. Has not been operated with CIS or TS-1 Fuel more than 50 percent of the time.
7. Had no abnormal occurrence, no operating limitation were reached or exceed in accordance with the Engine manufacture and Aircraft Maintenance Manual.

Furthermore, during the time the above-mentioned engine was operated by EL AL, we can confirm that this engine was operated at the following power ratings:

- 7B26 Rating Thrust for 3,647 Cycles ; 12,196 FH

Signature:

DATE: 11 May 2020

ESN REMOVAL / INSTALLATION HISTORY

OPERATOR: EL-AL AIRLINES

Date	EVENT	ENG PN	Aircarft	TAH	TAC	ETSN	ECSN	Remarks
23-Apr-2020	Removal	**CFM56-7 B26**		**66,293**	**20,280**	**49,939**	**29,890**	Return to Owner Aircarft WO 36190493
5-Feb-2017	Installation	**CFM56-7 B26**		**56,960**	**17,556**	**40,589**	**27,162**	Repaired @ IAI Aircraft WO 392106
27-Oct-2016	Removal	**CFM56-7 B26**		**58,397**	**18,400**	**40,589**	**27,162**	Removed due SB 72-0732 Aircraft WO418480
22-Aug-2015	Installation	**CFM56-7 B26**		**55,540**	**17,479**	**37,743**	**26,243**	Aircraft WO426772
28-Jul-2015	Receiving	**CFM56-7 B26**				**37,743**	**26,243**	

Note:

EL AL FAA Repair Station
Engineering Administration & Records
Number EILY551D

Subject: Thrust Statement

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number:

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number , we hereby confirm that to the best of our knowledge the above - mentioned Engine, together with its subparts and components, during its operation with EL AL, from 27.07.2015 until 22.04.2020 was operated at the following power ratings:

- 7B26 Rating Thrust for 3,647 Cycles ; 12,196 FH

Signature:

Subject: PMA Parts Statement

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number:

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number , we hereby confirm that to the best of our knowledge the above-mentioned Engine, together with its subparts and components, during its operation with EL AL, from 27.07.2015 until 22.04.2020 had no PMA parts installed.

Signature:

Subject: In-house Modification Statement

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number:

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number , we hereby confirm that to the best of our knowledge the above-mentioned Engine, during its operation with EL AL, from 27.07.2015 until 22.04.2020 has not had in- house modifications.

Signature:

Nissim Pinhas
Quality Control Manager
EL-AL Israel Airlines

Subject: Statement of Oil Used

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number:

Total time at Induction: **37,743**

Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

This Letter is to confirm that with regard to the above mentioned CFM56-7B26 Engine bearing manufacturer serial number , we hereby confirm that to the best of our knowledge the above-mentioned Engine, during its operation with EL AL, from 27.07.2015 until 22.04.2020 has been operated using the Mobil Jet II Engine Oil.

Signature:

For P/N: `CFM56-7 B26` S/N: `` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

EL AL FAA Repair Station Engineering Administration & Records Number EILY551D

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2015-0133 ->7263-01007/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7B ENG AGB INSPECTION/REPLAC	**Not Applicable**
					Original Document Requirement	
					Perform WITHIN 730/D	
	Complete document sign-up hierarchy					
	2015-0133/AD Rev.R00				CFM56-7B ENG AGB INSPECTION/REPLAC	Not Applicable
	> 7263-01008/EO* Rev.R02				CFM56-7B: ONE RPL OF SUSPECT AGB SOURCE: AD 2015-0133 CFM56-7B S/B 72-0965	Not Applicable
					Reason for this Status	
					Not Affected To Installed AGB S/N	
	> CFM56-7B S/B 72-0964/VSB* Rev.R02				AGB/TGB MAGNETIC CHIP DETECTOR INSP. FOR CFM56-7B	Not Applicable
					Replacement Information	
					This Document SUPERSEDES: CFM56-7B S/B 72-0964/VSB Rev.R01	
					Reason for this Status	
					Not Affected To Installed AGB S/N	
	> CFM56-7B S/B 72-0965/VSB* Rev.R00				73 TOOTH GEARSHAFT & 41 TOOTH GEARSHAFT MANAGEMENT	Not Applicable
					Reason for this Status	
					Not Affected To Installed AGB S/N	
2018-0071 (EASA)	AD	00	Mandatory	COMP	CFM56-7B ENGINES FAN BLADES INSPECTION	**Superseded (Not Applicable by Serial Number)**
					Replacement Information	
					This Document has been SUPERSEDED BY: 2018-0093-E/AD Rev.0	
2018-0093-E (EASA)	AD	0	Mandatory	COMP	CFM56-7B ENGINE FAN BLADE INSPECTION	**Superseded (Not Applicable by Serial Number)**
					Replacement Information	
					This Document SUPERSEDES: 2018-0071/AD Rev.00	
					This Document has been SUPERSEDED BY: 2018-0109/AD Rev.00	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2018-0109 (EASA)	AD	00	Mandatory	COMP	CFM56-7B ENGINES FAN BLADES INSPECTION	**Superseded (Not Applicable by Serial Number)**
					Replacement Information	
					This Document SUPERSEDES: 2018-0093-E/AD Rev.0	
					This Document has been SUPERSEDED BY: 2018-0211/AD Rev.00	
2018-0211 (EASA)	AD	00	Mandatory	COMP	CFM56-7B ENGINE – FAN BLADES – INSPECTION	**Superseded (Not Applicable by Serial Number)**
					Replacement Information	
					This Document SUPERSEDES: 2018-0109/AD Rev.00	
					This Document has been SUPERSEDED BY: EASA 2019-0018/AD Rev.00	
2019-0150 (EASA)	AD	00	Mandatory	COMP	CFM56-7B ROTATING AIR HIGH PRESSURE TURBINE FRONT SEAL REPLACMENT	**Superseded (Superseded)**
					Replacement Information	
					This Document has been SUPERSEDED BY: 2020-0007/AD Rev.00	
2020-0007 (EASA)	AD	00	Mandatory	COMP	CFM56-7B – ENGINE – ROTATING AIR HIGH PRESSURE TURBINE FRONT SEAL – REPLACEMENT	**Not Applicable**
					Replacement Information	
					This Document SUPERSEDES: 2019-0150/AD Rev.00	
					Original Document Requirement	
					Perform within an unlimited threshold.	
	Complete document sign-up hierarchy					
	2020-0007/AD Rev.00				CFM56-7B – ENGINE – ROTATING AIR HIGH PRESSURE TURBINE FRONT SEAL – REPLACEMENT	Not Applicable
					Replacement Information	
					This Document SUPERSEDES: 2019-0150/AD Rev.00	
	> CFM56-7B S/B 72-1042/SB Rev.00				ENGINE - HPT ROTOR ASSEMBLY - REPLACEMENT OF ROTATION AIR HPT FRONT SEAL P/N 1795M36P02	Not Applicable
		Document-Number			**Installed in affected Rotable**	**Status**

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
		> > CFM56-7B S/B 72-1042/VSB (Rev.: 2 Issued by: 0058828)			No affected rotable installed	Not Applicable	
2020-0044 (EASA)	AD	00	Mandatory	COMP	ATA 72- ENGINES CFM56-5B, CFM56-5C AND CFM56-7B ENGINES HIGH-PRESSURE TURBINE INNER STATIONARY SEAL – INSPECTION		**Not Applicable**
	Complete document sign-up hierarchy						
	2020-0044/AD Rev.00				ATA 72- ENGINES CFM56-5B, CFM56-5C AND CFM56-7B ENGINES HIGH-PRESSURE TURBINE INNER STATIONARY SEAL – INSPECTION		Not Applicable
	> CFM56-7B S/B 72-1054/VSB* Rev.01				COMBUSTION ASSEMBLY - REPAIR OF HPT INNER STATIONARY SEAL HONEYCOMB		Not Applicable
					Reason for this Status		
					NOT APPLICABLE TO CURRENT SN		
EASA 2007-0104 ->7250-01054/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7 LPT REAR FRAME LIFE REDUCTION		**Not Applicable**
	Complete document sign-up hierarchy						
	EASA 2007-0104/AD Rev.R00				CFM56-7 LPT REAR FRAME LIFE REDUCTION		Not Applicable
		Document-Number			**Installed in affected Rotable**	**Status**	
		> 7250-01056/EO (Rev.: R03 Issued by: 08003448)			No affected rotable installed	Not Applicable	
EASA 2009-0009 ->7250-01054/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7 LPT REAR FRAME LIFE LIMIT MANDATORY INSP		**Not Applicable**
	Complete document sign-up hierarchy						
	EASA 2009-0009/AD Rev.R00				CFM56-7 LPT REAR FRAME LIFE LIMIT MANDATORY INSP		Not Applicable
		Document-Number			**Installed in affected Rotable**	**Status**	
		> > 7250-01056/EO (Rev.: R03 Issued by: 08003448)			No affected rotable installed	Not Applicable	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
		Document-Number			**Installed in affected Rotable**	**Status**
		>>7250-01056/EO (Rev.: R03 Issued by: 08003448)			No affected rotable installed	Not Applicable
EASA 2009-0270 ->7250-01068/EP (EASA)	AD	R00	Mandatory	COMP	CFM- LPT ROTOR/STATOR ASSY RPL	**Not Applicable**
					Original Document Requirement	
					Perform within an unlimited interval.	
		Complete document sign-up hierarchy				
		EASA 2009-0270/AD Rev.R00			CFM- LPT ROTOR/STATOR ASSY RPL	Not Applicable
		> CFM56-7B S/B 72-0743/VSB* Rev.R01			REPLACEMENT OF SUSPECT STG 3 LPT DISK	Not Applicable
					Replacement Information	
					This Document SUPERSEDES: CFM56-7B S/B 72-0743/VSB Rev.R00	
					Reason for this Status	
					N/A - Disk P/N- 336-002-006-0 & S/N PA738774 Installed	
		>>CFM56-7B S/B 72-0733/VSB* Rev.R00			SPARE PARTS RELEASE FOR CFM56-7B IPC	Not Applicable
					Reason for this Status	
					N/A - Disk P/N 336-002-006-0 & S/N PA738774 Installed	
EASA 2012-0209 ->7263-01001/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7B & -3 ACCESSORY GEARBOX HAND CRANKING	**See prev. Docstatus**
					Original Document Requirement	
					Perform WITHIN 730/D	
		Complete document sign-up hierarchy				
		EASA 2012-0209/AD Rev.R00			CFM56-7B & -3 ACCESSORY GEARBOX HAND CRANKING	See prev. Docstatus
		Document-Number			**Installed in affected Rotable**	**Status**

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
		> CFM56-7B S/B 72-0564/VSB (Rev.: R07 Issued by: 0058828)			340-046-503-0 / 1431BORROW (not inst.)	See prev. Docstatus	
EASA 2014-0130 ->7250-01054/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-5B/7B- TIME LIMITS ENG STATIONARY PARTS		**Open**
					Due Dim1 (D) / **Due Dim2** / **Due Dim3** / **New W/O**	**Time-Requirement of Document**	
						No limit	
EASA 2014-0261 ->7321-01309/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7B ENG FUEL & CONTROL, EEC SOFTWARE UPDATED.		**Terminated by third party 20.Aug.2015**
					Original Document Requirement		
					Perform within an unlimited interval.		
	Complete document sign-up hierarchy						
	EASA 2014-0261/AD Rev.R00				CFM56-7B ENG FUEL & CONTROL, EEC SOFTWARE UPDATED.		Terminated by third party 20.Aug.2015
	> CFM56-7B S/B 73-0203/VSB* Rev.R00				ECU - NEW SOFTWARE VERSION - 7.B.WF2 FOR DAC ENGIN		Terminated by third party 20.Aug.2015
					Replacement Information		
					This Document terminates	CFM56-7B S/B 73-0199/VSB Rev.R01	
					Perf Dim1 (D) / **Perf Dim2** / **Perf Dim3** / **W/O**	**Remarks**	
					20.Aug.2015 / 00:00/H / 0/C	PerfRev.:'R00' / Reason: COMPLETED / Return Information: COMPLETED AT 20/AUG/2015	
					Reason for this Status		
					COMPLETED AT 20/AUG/2015		
	> CFM56-7B S/B 73-0204/VSB* Rev.R00				ECU - NEW SOFTWARE VERSION - 7.B.WF2 & 7.B.WF3		Terminated by third party 20.Aug.2015
					Replacement Information		
					This Document terminates	CFM56-7B S/B 73-0199/VSB Rev.R01	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
					This Document is terminated with implementation of: CFM56-7B S/B 73-0210/VSB Rev.R00	
					Perf Dim1 (D) / **Perf Dim2** / **Perf Dim3** / **W/O** / **Remarks**: 20.Aug.2015 / 00:00/H / 0/C / PerfRev.:'R00' / Reason: COMPLETED / Return Information: COMPLETED 20.8.15	
					Reason for this Status: COMPLETED 20.8.15	
EASA 2019-0018 (EASA)	AD	00	Mandatory	COMP	FAN BLADE FAILURE ON A CFM56-7B ENGINE	**Repetitive**
					Replacement Information: This Document SUPERSEDES 2018-0211/AD Rev.00	
	Complete document sign-up hierarchy					
	EASA 2019-0018/AD Rev.00				FAN BLADE FAILURE ON A CFM56-7B ENGINE	Repetitive
					Replacement Information: This Document SUPERSEDES 2018-0211/AD Rev.00	
	> CFM56-7B S/B 72-1024/VSB Rev.00				ENGINE - FAN & BOOSTER ASSEMBLY - ONE TIME ULTRASONIC INSPECTION OF FAN BLADESDOVETAILS	Closed 18.Apr.2019
		Document-Number			**Installed in affected Rotable** / **Status**	
		> > EOC-B737NG-72-71-0001-R0/EOC (Rev.: 00 Issued by: 0058828)			340-001-029-0 / DE190848-C (not inst.) / Closed / Perf Date:18.Apr.2019 / Perf TAH: 40931:52 / Perf TAC: 27270	
					340-001-029-0 / DE190789-A (not inst.) / Closed / Perf Date:22.Apr.2018 / Perf TAH: 44000:54 / Perf TAC: 28128 / Perf WO: 32021029	
					340-001-029-0 / DE192115-N (not inst.) / Closed / Perf Date:22.Apr.2018 / Perf TAH: 12937:54 / Perf TAC: 9512 / Perf WO: 32021101	
	> CFM56-7B S/B 72-1033/VSB Rev.3				ENGINE - FAN & BOOSTER ASSEMBLY - FAN BLADE DOVETAIL REPETITIVE ULTRASONIC INSPECTION	Repetitive
					Replacement Information	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
					This Document SUPERSEDES	CFM56-7B S/B 72-1033/VSB Rev.2	
		Document-Number			**Installed in affected Rotable**	**Status**	
		> > EOC-B737NG-72-71-0002-R0/EOC (Rev.: 00 Issued by: 0058828)			340-001-026-0 / DE190670-L (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192992-W (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / BB224429-R (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE190789-A (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE188948-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190939-T (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190938-U (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DB623158-R (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192102-B (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE193007-M (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190957-U (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE192115-N (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192357-G (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE184501-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192116-M (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192402-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE188960-0 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192990-F (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DB863413-P (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192276-H (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / BB227495-P (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192087-3 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE190848-C (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE189513-3 (not inst.)	Repetitive / Next Due:28'662/CC	
F-1998-162R1 (EASA)	AD	1	Mandatory	COMP	PREVENT FAILURE OF THE HMU OVERSPEED GOVERNOR		**Not Applicable by Serial Number**

For P/N: `CFM56-7 B26` S/N: [redacted] (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `EASA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
F-1998-259R1 (EASA)	AD	0	Mandatory	COMP	SHUT DOWN FAILURE OF THE STARTER GEARSHAFT	**Not Applicable by Serial Number**
					Replacement Information	
					This Document SUPERSEDES F-1998-259/AD Rev.0	
F-1998-350R2 (EASA)	AD	00	Mandatory	COMP	PREVENT AN UNCOMMANDED ENGINE ACCELERATION EVENT	**Not Applicable by Serial Number**
F-2001-240(B) ->7200-01168/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7B REDUCED INTERVAL FOR CHIP DETECTOR INSP	**Not Applicable**
					Reason for this Status	
					N/A - TO NO 4 BRG. P/N 305-355-717-0 INSTALLED	
F-2002-390 IMP(B) ->7200-01147/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-7-INSPECTION OF DISKS,HUBS,SEALS, 2002-13-03	**Not Applicable by Serial Number**
F-2002-470(B) ->7252-01086/EP (EASA)	AD	R00	Mandatory	COMP	CFM56-5B/7B- 2 & 3 STAGE LOW PRESSURE TURBINE NOZZ	**Not Applicable**
	Complete document sign-up hierarchy					
	F-2002-470(B)/AD Rev.R00				CFM56-5B/7B- 2 & 3 STAGE LOW PRESSURE TURBINE NOZZ	Not Applicable
	> 02/CFM56/460/DOC Rev.R00				CFM56 - LPT STAGE 2/3 NOZZLE MODIFICATION	Not Applicable
	> > 72-241/VSB* Rev.R00				CFM56-LPT-NEW NOZZLE SEGMANTS STAGE 2&3 (72-0241)	Not Applicable by Serial Number

Nissim Pinhas
Quality Control Manager
EL-AL Israel Airlines

EL AL FAA Repair Station Engineering Administration & Records Number EILY551D

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

EL AL FAA Repair Station Engineering Administration & Records Number EILY551D

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2000-12-01 ->7200-01147/EP (FAA	AD	R00	Mandatory	COMP	737NG- CFM56 ENGINE ROTATING PARTS FAILURE	**Superseded (Open)**
					Replacement Information	
					This Document has been SUPERSEDED BY: 2002-13-03/AD Rev.R00	
	Complete document sign-up hierarchy					
	2000-12-01/AD Rev.R00				737NG- CFM56 ENGINE ROTATING PARTS FAILURE	Open
					Replacement Information	
					This Document has been SUPERSEDED BY: 2002-13-03/AD Rev.R00	
	> 2002-13-03/AD* Rev.R00				CFM56-7-INSPECTION OF DISKS,HUBS,SEALS,SHAFTS.	Open
					Replacement Information	
					This Document SUPERSEDES: 2000-12-01/AD Rev.R00	
					Due Dim1 (D) / Due Dim2 / Due Dim3 / New W/O / Time-Requirement of Document	
					/ / / / No limit Interval(F):0/H or 0/C or 0/D	
2001-02-12 ->7321-01172/EP (FAA	AD	R00	Mandatory	COMP	737NG- ONE-TIME INSP OF WING TORQUE	**Performed by prev. Operator**
	Complete document sign-up hierarchy					
	2001-02-12/AD Rev.R00				737NG- ONE-TIME INSP OF WING TORQUE	Performed by prev. Operator
	> CFM56-7B S/B 75-0005/VSB Rev.00				AIR - ENGINE (72-00-00) - INSPECTION OF PS3 LINE FITTINGS	Performed by prev. Operator
	> > 7511-01012/EO* Rev.R01				CFM56 LOOSE PS3 LINE CONNECTIONS SOURCE: AD 2001-02-12	Performed by prev. Operator
					Perf Dim1 (D) / Perf Dim2 / Perf Dim3 / W/O / Remarks	
					03.Jan.2018 / 43162:05/H / 27'893/C / / PerfRev.:'R01' / Reason: ACCOMPLISHED ONE TIME INSPECTION FOR LOOSE PS3 LINE FITTINGS IAW SB 75-0005 REF W/R 696/01 / Return Information: ACCOMPLISHED ONE TIME INSPECTION FOR LOOSE PS3 LINE FITTINGS IAW SB 75-0005 REF W/R 696/01	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
					Reason for this Status	
					ACCOMPLISHED ONE TIME INSPECTION FOR LOOSE PS3 LINE FITTINGS IAW SB 75-0005 REF W/R 696/01	
2001-11-05 ->7200-01168/EP (FAA	AD	R00	Mandatory	COMP	737NG- CFM56 ENG- INSP OF BEARINGS	**Not Applicable**
					Original Document Requirement	
					Perform within an unlimited threshold.	
	Complete document sign-up hierarchy					
	2001-11-05/AD Rev.R00				737NG- CFM56 ENG- INSP OF BEARINGS	Not Applicable
	> CFM56-7B S/B 72-0328/VSB* Rev.R01				ENGINE-LPT SHAFT (72-55-00) - REDUCED INTERVAL FOR AFT SUMP MAGNETIC CHIP DETECTOR OR DMS INSPECTION	Not Applicable
					Replacement Information	
					This Document SUPERSEDES: CFM56-7B S/B 72-0328/VSB Rev.R00	
					Reason for this Status	
					S/N OF #4 BEARING - NOT AFFECTED	
	> CFM56-7B S/B 72-0329/VSB* Rev.R00				ENGINE-LPT SHAFT (72-55-00)-REPLACEMENT OF NO. 4 ROLLER BEARING 305-355-717-0 I A DEFECTIVE BATCH	Not Applicable
					Reason for this Status	
					s/n of #4 bearing not affected.	
2002 -14-21 (FAA)	AD	00	Mandatory	COMP	737NG- PREVENT MAJOR FUEL LEAK	**Not Applicable by Serial Number**
2002-13-03 ->7200-01147/EP (FAA	AD	R00	Mandatory	COMP	CFM56-7-INSPECTION OF DISKS,HUBS,SEALS,SHAFTS.	**Open**
					Replacement Information	
					This Document SUPERSEDES: 2000-12-01/AD Rev.R00	
					Due Dim1 (D) | **Due Dim2** | **Due Dim3** | **New W/O** | **Time-Requirement of Document**	
					No limit Interval(F):0/H or 0/C or 0/D	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2002-16-18 ->7252-01086/EP (FAA	AD	R00	Mandatory	COMP	CFM56-7-LPT NGV ST.2 AND ST.3	**Closed 20.Dec.2018**
					Original Document Requirement	
					Perform WITHIN 730/D	
	Complete document sign-up hierarchy					
	2002-16-18/AD Rev.R00				CFM56-7-LPT NGV ST.2 AND ST.3	Closed 20.Dec.2018
	> CFM56-7B S/B 72-0241/VSB Rev.R01				NEW LPT NOZZLE SEGMENTS STAGES 2 & 3 REWORK	Closed 20.Dec.2018
		Document-Number			**Installed in affected Rotable** / **Status**	
		> > CFM56-7B S/B 72-0241/SB (Rev.: R01 Issue by: 0058828)			338-092-302-0 / 54X74523 (not inst.) / Closed / Perf Date:20.Dec.2018 / Perf TAH: 46150:37 / Perf TAC: 28776	
2003-03-01 ->7121-01068/EP (FAA	AD	R00	Mandatory	COMP	737NG- AFT ENGINE MOUNT INSP	**Superseded (Not Applicable)**
					Replacement Information	
					This Document has been SUPERSEDED BY: 2011-18-10/AD Rev.R00	
	Complete document sign-up hierarchy					
	2003-03-01/AD* Rev.R00				737NG- AFT ENGINE MOUNT INSP	Not Applicable by Serial Number
					Replacement Information	
					This Document has been SUPERSEDED BY: 2011-18-10/AD Rev.R00	
	> 737-71A1462/ASB* Rev.R01				737NG- AFT ENG MOUNT,CENTER LINK ASSY INSTL INSP	Not Applicable by Serial Number
					Replacement Information	
					This Document SUPERSEDES: 737-71A1462/ASB Rev.R00	
					This Document has been SUPERSEDED BY: 737-71A1462/ASB Rev.R03	
2006-26-01 ->7311-01152/EP (FAA	AD	R00	Mandatory	COMP	CFM56- FUEL FILTER FAILURE	**Not Applicable**
					Original Document Requirement	
					Perform WITHIN 1/H	
	Complete document sign-up hierarchy					

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
	2006-26-01/AD Rev.R00				CFM56- FUEL FILTER FAILURE	Not Applicable
	> 7311-01154/EO* Rev.R01				CFM56: ONE REPL./INSP. OF ENGINE FUEL FILTER. SOURCE: AD 2006-26-01	Not Applicable
					Reason for this Status	
					N/A To Installed Filter P/N	
2007-03-15 ->7700-01045/EP (FAA	AD	R00	Mandatory	COMP	CFM56-5 EGT HARNESSES RPL	**Not Applicable**
					Replacement Information	
					This Document SUPERSEDES: 2003-02-04/AD Rev.R00	
					Reason for this Status	
					AD N/A to CFM56-7B	
2008-03-09 ->7250-01054/EP (FAA	AD	R00	Mandatory	COMP	CFM56-7 - TURBINE REAR FRAME MANDATORY INSP	**Not Applicable**
	Complete document sign-up hierarchy					
	2008-03-09/AD Rev.R00				CFM56-7 - TURBINE REAR FRAME MANDATORY INSP	Not Applicable
	Document-Number				**Installed in affected Rotable**	**Status**
	> 7250-01056/EO (Rev.: R03 Issued by: 08003448)				No affected rotable installed	Not Applicable
2009-11-02 ->7250-01063/EP (FAA	AD	R00	Mandatory	COMP	CFM56-5- HPC 4-9 SPOOL, SPECIFIC S/N TO BE REMOVED	**Not Applicable by Serial Number**
2010-01-05 ->7250-01054/EP (FAA	AD	R00	Mandatory	COMP	CFM ENGINES- LP TURBINE REAR FRAME INSPECTION	**Not Applicable**
	Complete document sign-up hierarchy					
	2010-01-05/AD Rev.R00				CFM ENGINES- LP TURBINE REAR FRAME INSPECTION	Not Applicable
	Document-Number				**Installed in affected Rotable**	**Status**
	>> 7250-01056/EO (Rev.: R03 Issued by: 08003448)				No affected rotable installed	Not Applicable
	Document-Number				**Installed in affected Rotable**	**Status**

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
		>>7250-01056/EO (Rev.: R03 Issued by: 08003448)			No affected rotable installed	Not Applicable	
2010-13-09 ->7253-01051/EP (FAA	AD	R00	Mandatory	COMP	CFM56-5-,5B,-7B PREVENT UNCONTAINED FAILURE OF ST3		**Not Applicable**
					Original Document Requirement		
					Perform within an unlimited interval.		
	Complete document sign-up hierarchy						
	2010-13-09/AD Rev.R00				CFM56-5-,5B,-7B PREVENT UNCONTAINED FAILURE OF ST3		Not Applicable
	> CFM56-7B S/B 72-0743/VSB* Rev.R01				REPLACEMENT OF SUSPECT STG 3 LPT DISK		Not Applicable
					Replacement Information		
					This Document SUPERSEDES	CFM56-7B S/B 72-0743/VSB Rev.R00	
					Reason for this Status		
					N/A - Disk P/N- 336-002-006-0 & S/N PA738774 Installed		
	>>CFM56-7B S/B 72-0733/VSB* Rev.R00				SPARE PARTS RELEASE FOR CFM56-7B IPC		Not Applicable
					Reason for this Status		
					N/A - Disk P/N 336-002-006-0 & S/N PA738774 Installed		
2011 -18-10 (FAA)	AD	0	Mandatory	COMP	737NG AFT ENGINE MOUNT IDENTIFICATION		**Not Applicable by Serial Number**
2013-26-01 ->7263-01001/EP (FAA	AD	R00	Mandatory	COMP	CFM-LOSS OF ENGINE OIL WHILE IN FLIGHT		**See prev. Docstatus**
	Complete document sign-up hierarchy						
	2013-26-01/AD Rev.R00				CFM-LOSS OF ENGINE OIL WHILE IN FLIGHT		See prev. Docstatus
		Document-Number			**Installed in affected Rotable**	**Status**	
		> CFM56-7B S/B 72-0564/VSB (Rev.: R07 Issued by: 0058828)			340-046-503-0 / 1431BORROW (not inst.)	See prev. Docstatus	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2015-04-02 ->7321-01309/EP (FAA	AD	R00	Mandatory	COMP	CFM56-7B EEC SOFTWARE UPGRADE	**Terminated by third party 20.Aug.2015**

Original Document Requirement

Perform within an unlimited interval.

Complete document sign-up hierarchy

2015-04-02/AD Rev.R00	CFM56-7B EEC SOFTWARE UPGRADE	Terminated by third party 20.Aug.2015
> CFM56-7B S/B 73-0203/VSB* Rev.R00	ECU - NEW SOFTWARE VERSION - 7.B.WF2 FOR DAC ENGIN	Terminated by third party 20.Aug.2015

Replacement Information

This Document terminates	CFM56-7B S/B 73-0199/VSB Rev.R01

Perf Dim1 (D)	Perf Dim2	Perf Dim3	W/O	Remarks
20.Aug.2015	00:00/H	0/C		PerfRev.:'R00' / Reason: COMPLETED / Return Information: COMPLETED AT 20/AUG/2015

Reason for this Status

COMPLETED AT 20/AUG/2015

> CFM56-7B S/B 73-0204/VSB* Rev.R00	ECU - NEW SOFTWARE VERSION - 7.B.WF2 & 7.B.WF3	Terminated by third party 20.Aug.2015

Replacement Information

This Document terminates	CFM56-7B S/B 73-0199/VSB Rev.R01
This Document is terminated with implementation of	CFM56-7B S/B 73-0210/VSB Rev.R00

Perf Dim1 (D)	Perf Dim2	Perf Dim3	W/O	Remarks
20.Aug.2015	00:00/H	0/C		PerfRev.:'R00' / Reason: COMPLETED / Return Information: COMPLETED 20.8.15

Reason for this Status

COMPLETED 20.8.15

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
2015-18-04 ->7263-01007/EP (FAA	AD	CORR	Mandatory	COMP	CFM56-7B TO PREVENT FAILURE OF CERTAIN AGB GEARSHA	**Not Applicable**

Complete document sign-up hierarchy

2015-18-04/AD Rev.CORR	CFM56-7B TO PREVENT FAILURE OF CERTAIN AGB GEARSHA	Not Applicable

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
	> 7263-01008/EO* Rev.R02				CFM56-7B: ONE RPL OF SUSPECT AGB SOURCE: AD 2015-0133 CFM56-7B S/B 72-0965		Not Applicable
					Reason for this Status		
					Not Affected To Installed AGB S/N		
	> CFM56-7B S/B 72-0964/VSB* Rev.R02				AGB/TGB MAGNETIC CHIP DETECTOR INSP. FOR CFM56-7B		Not Applicable
					Replacement Information		
					This Document SUPERSEDES	CFM56-7B S/B 72-0964/VSB Rev.R01	
					Reason for this Status		
					Not Affected To Installed AGB S/N		
	> CFM56-7B S/B 72-0965/VSB* Rev.R00				73 TOOTH GEARSHAFT & 41 TOOTH GEARSHAFT MANAGEMENT		Not Applicable
					Reason for this Status		
					Not Affected To Installed AGB S/N		
2018-09-10 (FAA)	AD	00	Mandatory	COMP	CFM56-7B ENGINE - PREVENT FAILURE OF THE FAN BLADE		**Superseded (Not Applicable by Serial Number)**
					Replacement Information		
					This Document has been SUPERSEDED BY	2018-10-11/AD Rev.00	
2018-09-51 EMERGENCY (FAA)	AD	0	Mandatory	COMP	CFM 56-7B ENGINE EVALUATED ALL THE RELEVANT INFORMATION AND DETERMINED THE UNSAFE CONDITION DESCRIBED PREVIOUSLY IS LIKELY		**Not Applicable**
					Reason for this Status		
					THE ENGINE DOES NOT REACH THE REQUIRED 30,000 CSN AT THE ISSUE DATE (SEE TEXT FO MORE INFO)		
2018-10-11 (FAA)	AD	00	Mandatory	COMP	CFM56-7B ENGINES - PREVENT FAILURE OF THE FAN BLADE		**Superseded (Not Applicable by Serial Number)**
					Replacement Information		
					This Document SUPERSEDES	2018-09-10/AD Rev.00	
					This Document has been SUPERSEDED BY	2018-18-01/AD Rev.00	

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
2018-18-01 (FAA)	AD	00	Mandatory	COMP	CFM56-7B TO REDUCE THE REPETITIVE FAN BLADE INSPECTION INTERVAL TO PREVENT FAILURE OF THE FAN BLADE		**Superseded (Not Applicable by Serial Number)**
					Replacement Information		
					This Document SUPERSEDES	2018-10-11/AD Rev.00	
					This Document has been SUPERSEDED BY	2018-26-01/AD Rev.00	
2018-26-01 (FAA)	AD	00	Mandatory	COMP	CFM56-7 FAILURE OF THE FAN BLADE. THE UNSAFE CONDITION, IF NOT ADDRESSED, COULD RESULT IN FAILURE OF THE		**Repetitive**
					Replacement Information		
					This Document SUPERSEDES	2018-18-01/AD Rev.00	
Complete document sign-up hierarchy							
2018-26-01/AD Rev.00					CFM56-7 FAILURE OF THE FAN BLADE. THE UNSAFE CONDITION, IF NOT ADDRESSED, COULD RESULT IN FAILURE OF THE		Repetitive
					Replacement Information		
					This Document SUPERSEDES	2018-18-01/AD Rev.00	
> CFM56-7B S/B 72-1024/VSB Rev.00					ENGINE - FAN & BOOSTER ASSEMBLY - ONE TIME ULTRASONIC INSPECTION OF FAN BLADESDOVETAILS		Closed 18.Apr.2019
Document-Number					**Installed in affected Rotable**	**Status**	
> > EOC-B737NG-72-71-0001-R0/EOC (Rev.: 00 Issued by: 0058828)					340-001-029-0 / DE190848-C (not inst.)	Closed / Perf Date:18.Apr.2019 / Perf TAH: 40931:52 / Perf TAC: 27270	
					340-001-029-0 / DE190789-A (not inst.)	Closed / Perf Date:22.Apr.2018 / Perf TAH: 44000:54 / Perf TAC: 28128 / Perf WO: 32021029	
					340-001-029-0 / DE192115-N (not inst.)	Closed / Perf Date:22.Apr.2018 / Perf TAH: 12937:54 / Perf TAC: 9512 / Perf WO: 32021101	
> CFM56-7B S/B 72-1033/VSB Rev.3					ENGINE - FAN & BOOSTER ASSEMBLY - FAN BLADE DOVETAIL REPETITIVE ULTRASONIC INSPECTION		Repetitive
					Replacement Information		

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject		Status
					This Document SUPERSEDES	CFM56-7B S/B 72-1033/VSB Rev.2	
		Document-Number			**Installed in affected Rotable**	**Status**	
		> > EOC-B737NG-72-71-0002-R 0/EOC (Rev.: 00 Issued by: 0058828)			340-001-026-0 / DE190670-L (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192992-W (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / BB224429-R (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE190789-A (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE188948-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190939-T (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190938-U (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DB623158-R (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192102-B (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE193007-M (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE190957-U (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE192115-N (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192357-G (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE184501-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192116-M (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192402-8 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE188960-0 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192990-F (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DB863413-P (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192276-H (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / BB227495-P (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE192087-3 (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-029-0 / DE190848-C (not inst.)	Repetitive / Next Due:28'662/CC	
					340-001-026-0 / DE189513-3 (not inst.)	Repetitive / Next Due:28'662/CC	
2019-12-05 (FAA)	AD	00	Mandatory	COMP	CFM56 PREVENT FAILURE OF THE ROTATING AIR HPT FRONT SEAL		**Not Applicable**

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
	Complete document sign-up hierarchy					
	2019-12-05/AD Rev.00				CFM56 PREVENT FAILURE OF THE ROTATING AIR HPT FRONT SEAL	Not Applicable
	> CFM56-7B S/B 72-1042/SB Rev.00				ENGINE - HPT ROTOR ASSEMBLY - REPLACEMENT OF ROTATION AIR HPT FRONT SEAL P/N 1795M36P02	Not Applicable
	Document-Number				**Installed in affected Rotable**	**Status**
	> > CFM56-7B S/B 72-1042/VSB (Rev.: 2 Issued by: 0058828)				No affected rotable installed	Not Applicable
98-14-51 ->8011-01081/EP (FAA	AD	R00	Mandatory	COMP	CFM56-7B/ PREVENT INFLIGHT ENG SHUTDOWN	**Not Applicable**
	Complete document sign-up hierarchy					
	98-14-51/AD Rev.R00				CFM56-7B/ PREVENT INFLIGHT ENG SHUTDOWN	Not Applicable
	> CFM56-7B S/B 72-0130/VSB* Rev.R02				ACCESSORY GEARBOX ASSY - STARTER GEARSHAFT REPLMNT	Not Applicable
	> CFM56-7B S/B 72-0132/VSB* Rev.R00				ENGINE-ACC/GEARBOX (72-63-00)-REDUCED INTERVAL FOR MCD INSPECTION	Not Applicable
98-19-20 ->7321-01147/EP (FAA	AD	R00	Mandatory	COMP	CFN56-7B/ PREVENT FAILURE OF HMU OSG VLV SHAFT	**Not Applicable**
					Original Document Requirement	
					Perform within an unlimited interval.	
	Complete document sign-up hierarchy					
	98-19-20/AD Rev.R00				CFN56-7B/ PREVENT FAILURE OF HMU OSG VLV SHAFT	Not Applicable
	> CFM56-7B S/B 73-0016/VSB Rev.R02				ENGINE-FUEL AND CONTROL - HMU(73-00-00) - SCHEDULED/INSP.	Not Applicable
	Document-Number				**Installed in affected Rotable**	**Status**
	> > CHT1-73-0003/VSB (Rev.: R01 Issued by: 0034270)				No affected rotable installed	Not Applicable

For P/N: `CFM56-7 B26` S/N: `xxxxxx` (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status
98-21-23 ->7311-01119/EO (FAA	AD	R00	Mandatory	COMP	CFM56-7B- PREVENT UNCOMMANDED ENG ACCELERATION	**Open**
					Original Document Requirement	
					Perform within an unlimited interval.	
	Complete document sign-up hierarchy					
	98-21-23/AD Rev.R00				CFM56-7B- PREVENT UNCOMMANDED ENG ACCELERATION	Open
	> CFM56-7B SB 73-A0024/ASB* Rev.0				ENGINE FUEL AND CONTROL EEC -INTRODUCTION OF SOFTWARE VERSION 7.B.I1(7B38)	Open
					Due Dim1 (D) | **Due Dim2** | **Due Dim3** | **New W/O** | **Time-Requirement of Document**	
					No limit	
99-03-08 ->2822-01169/EP (FAA	AD	R00	Mandatory	COMP	737NG- ENG FUEL HOSE QUICK-DISCONNECT INSP	**Superseded (Not Applicable)**
					Replacement Information	
					This Document has been SUPERSEDED BY: 2002-14-21/AD Rev.R00	
	Complete document sign-up hierarchy					
	99-03-08/AD Rev.R00				737NG- ENG FUEL HOSE QUICK-DISCONNECT INSP	Not Applicable
					Replacement Information	
					This Document has been SUPERSEDED BY: 2002-14-21/AD Rev.R00	
	> > M-7200-98-03249/DOC* Rev.R00				SUSPECT ENGINE FUEL LINE FITTINGS	Not Applicable by Serial Number
T98-14-51 ->7260-01059/EP (FAA	AD	R00	Mandatory	COMP	CFM ENG- PREVENT DUEL INFLT ENG SHUTDOWN	**Not Applicable**
	Complete document sign-up hierarchy					
	T98-14-51/AD Rev.R00				CFM ENG- PREVENT DUEL INFLT ENG SHUTDOWN	Not Applicable
	> 98-14-51/AD Rev.R00				CFM56-7B/ PREVENT INFLIGHT ENG SHUTDOWN	Not Applicable
	> > CFM56-7B S/B 72-0130/VSB* Rev.R02				ACCESSORY GEARBOX ASSY - STARTER GEARSHAFT REPLMNT	Not Applicable
	> > CFM56-7B S/B 72-0132/VSB* Rev.R00				ENGINE-ACC/GEARBOX (72-63-00)-REDUCED INTERVAL FOR MCD INSPECTION	Not Applicable

For P/N: `CFM56-7 B26` S/N: [redacted] (POWER PLANT CFM56-7B)

Selection: AIRWORTHINESS DIRECTIVE Issued by `FAA` TSN: 49,939 Hrs CSN: 29,890 Cycles

Doc-Number (Issuer)	Type	Rev	Compliance	A|C	Subject	Status

Nissim Pinhas
Quality Control Manager
EL-AL Israel Airlines

EL AL FAA Repair Station
Engineering Administration & Records
Number EILY551D

4X-EKC Eng No. 2 ESN xxxxxx MPA Run Results

(AMM Task 71-00-00-700-813-F00 Rev 71 - 15 Feb 2020)

Date	**April / 07 / 2020**
OAT	**19.0° C**
Thrust Rating	**7B26**
N1 Modifier 4 =>> N1 Modifier Adjustment	**2**
Altitude Adjustment 7B27 Thrust (Ben Gurion Airport -130 feet)	**7**

N1 - 65%	
From MPA Test Tables fig. 503,504,505	
%N1 Target Speed	65.4
Max EGT - ° C	610
Max %N2	89.3
Test Data Records	
%N1	65.1
EGT - ° C	583
%N2	88.2
Calculations	
N1 Positive Difference = %N1 Target - N1 recorded	0.3
EGT Adjust = N1 Difference/0.1*0.8+EGT Recorded	585.4
%N2 Adjust = N1 Difference/0.1*0.03+%N2 Recorded	88.3
EGT Margin = EGT Max - EGT Adjust	24,6
%N2 Margin = N2 Max - N2 Adjust	1.0
EGT Margin ALT = EGT Margin - Altitude Adjustment factor	**17.6**
EGT Margin Adjustment N1 Modifier = EGT Margin ALT + N1 Modifier Adjustment	**19.6**

N1 - 70%	
From MPA Test Tables fig. 503,504,505	
%N1 Target Speed	70.5
Max EGT - ° C	655
Max %N2	91.1
Test Data Records	
%N1	70.1
EGT - ° C	625
%N2	90.1
Calculations	

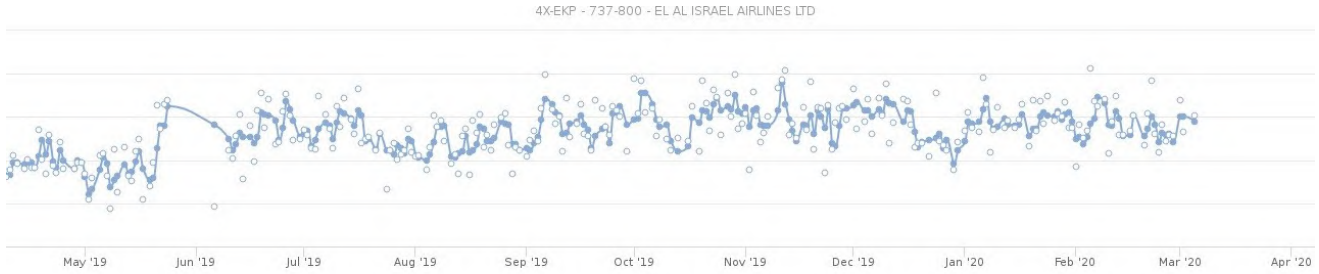
N1 Positive Difference = %N1 Target - N1 recorded	0.4
EGT Adjust = N1 Difference/0.1*0.8+EGT Recorded	628.2
%N2 Adjust = N1 Difference/0.1*0.03+%N2 Recorded	90.2
EGT Margin = EGT Max - EGT Adjust	26.8
%N2 Margin = N2 Max - N2 Adjust	0.9
EGT Margin ALT = EGT Margin - Altitude Adjustment factor	**19.8**
EGT Margin Adjustment N1 Modifier = EGT Margin ALT + N1 Modifier Adjustment	**21.8**

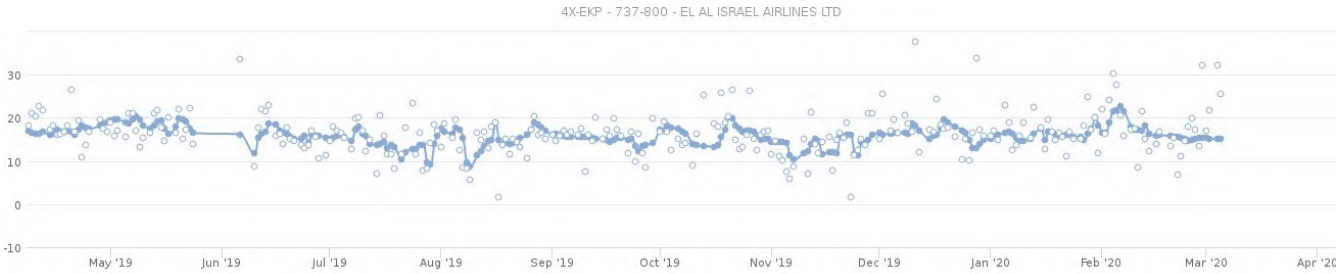
N1 - 75%	
From MPA Test Tables fig. 503,504,505	
%N1 Target Speed	75.5
Max EGT - ° C	685
Max %N2	92.7
Test Data Records	
%N1	75.3
EGT - ° C	660
%N2	91.6
Calculations	
N1 Positive Difference = %N1 Target - N1 recorded	0.2
EGT Adjust = N1 Difference/0.1*0.8+EGT Recorded	661.6
%N2 Adjust = N1 Difference/0.1*0.03+%N2 Recorded	91.7
EGT Margin = EGT Max - EGT Adjust	23.4
%N2 Margin = N2 Max - N2 Adjust	1
EGT Margin ALT = EGT Margin - Altitude Adjustment factor	**16.4**
EGT Margin Adjustment N1 Modifier = EGT Margin ALT + N1 Modifier Adjustment	**18.4**

Power Plant Engineer

Yoram Vigodzki

ECM data for ESN xxxxxx – 26.4.2020




4X-EKP - 737-800 - EL AL ISRAEL AIRLINES LTD
30
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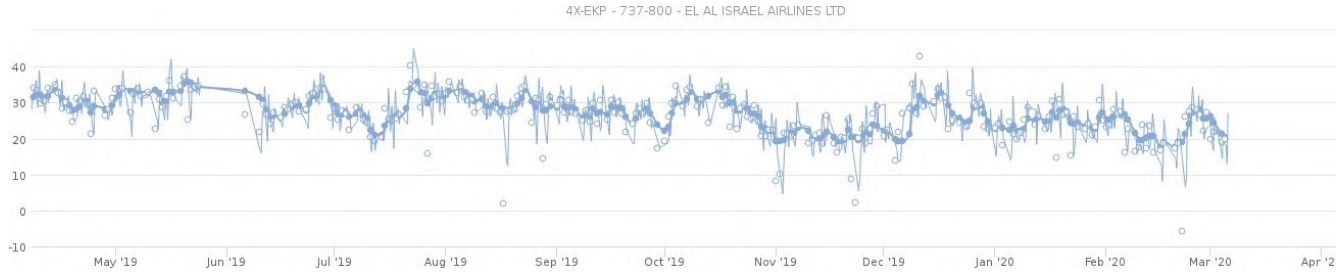
Mar '20
Apr '20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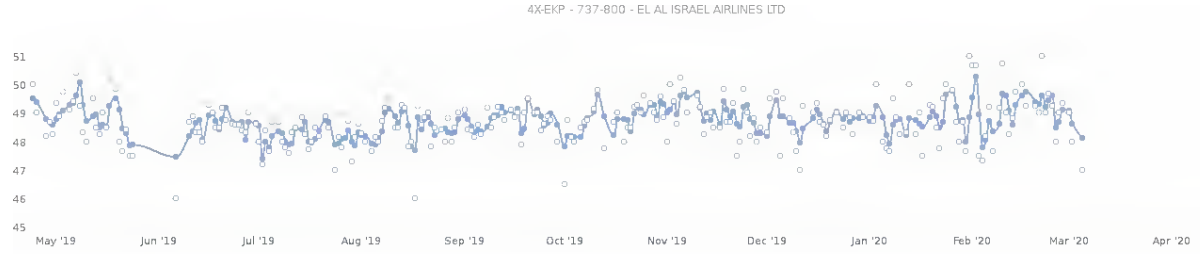
4X-EKP - 737-800 - EL AL ISRAEL AIRLINES LTD
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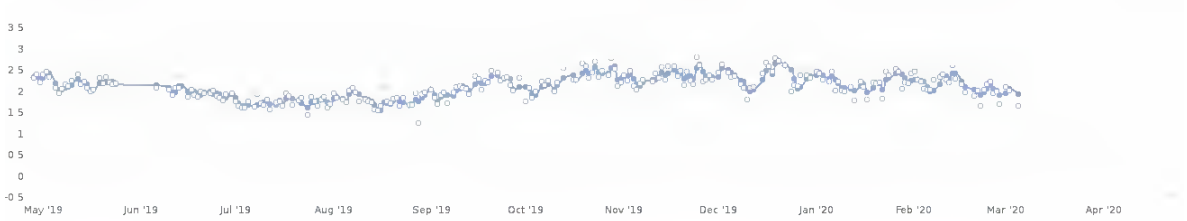
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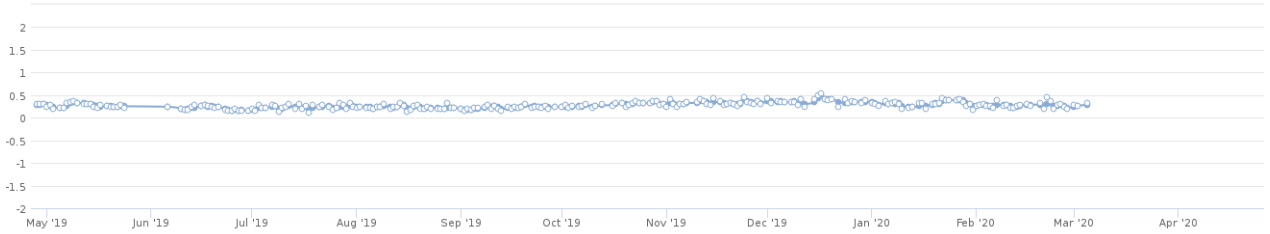
Apr '20

EL AL Israel Airlines LTD. Head office P.O.B 41, Ben Gurion Airport 7015001, Israel.
Tel: 972-3-9716111 www.elal.com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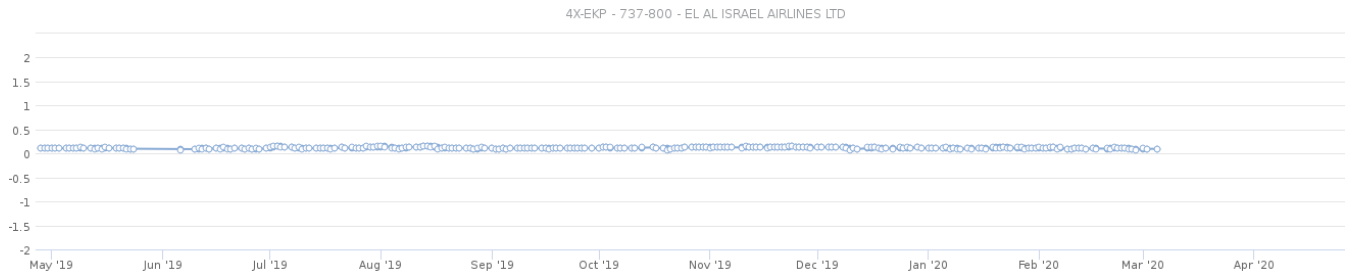
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May '19
Jun '19
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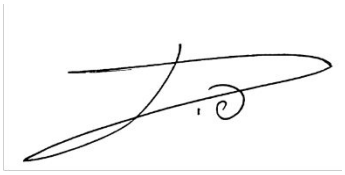
Feb '20
Mar '20
Apr '20

Regards,



Oil Consumption Statement

Date: **22.04.2020**

To whom it may concern:

Engine Model: **CFM56-7B26**

Engine Serial Number: **xxxxxx**

Total time at Induction: **37,743**

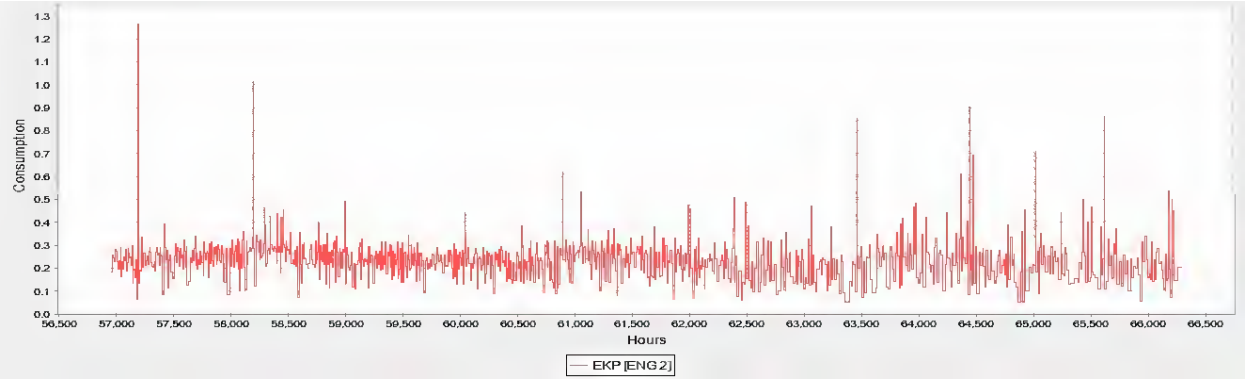
Total Cycles at Induction: **26,243**

Total Time at Re-delivery: **49,939**

Total Cycles at Re-delivery: **29,890**

I hereby certify that to the best of my knowledge the above-mentioned Engine during its operation with EL AL have the following oil consumption:

pos. right 05.Feb.2017 - 26.Apr.2020



Signature:

LRU/QEC INVENTORY

ENGINE S/N: [redacted]
ENGINE P/N: CFM56-7 B26

TSN: 49,939
CSN: 29,890

P/N	SERIAL NUMBER	DESCRIPTION	TSN	CSN	TSO	CSO	REMARKS
87006-9	21909	STATOR, ALTERNATOR	UNKN	UNKN	UNKN	UNKN	
UA538551-3	10569R	COOLER, IDG AIR/OIL	UNKN	UNKN	UNKN	UNKN	
761574B	AAAH006361	GENERATOR INTEGRATED DRIVE, IDG	35,834	10,137	35,834	10,137	
NOT VISIBLE	NOT VISIBLE	DETECTOR, FIRE, LEFT CORE	UNKN	UNKN	UNKN	UNKN	
S332T100-44	1302	DETECTOR, FIRE, UPPER FAN	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	DETECTOR, FIRE, LOWER FAN	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	1562	DETECTOR, FIRE, RIGHT CORE	UNKN	UNKN	UNKN	UNKN	
10-62167-2	K2319	PUMP, ENGINE DRIVEN, EDP	UNKN	UNKN	UNKN	UNKN	
3215618-5	11393	VALVE, THERMAL ANTI-ICE, INLET COWL	15,968	5,145	15,968	5,145	
21SN41-52	NOT VISIBLE	SWITCH, PRESSURE, THERMAL ANTI-ICE	UNKN	UNKN	UNKN	UNKN	
107492-6	8272	REGULATOR, BLEED AIR CONTROL	UNKN	UNKN	UNKN	UNKN	
3289562-6	5190	VALVE, PRECOOLER	UNKN	UNKN	UNKN	UNKN	
3214552-6	10913	VALVE, PNEU SYSTEM, S/O	36,368	10,614	10,122	3,234	
3214446-4	9291	VALVE, HIGH STAGE PRECOOLER	32,304	10,563	3,193	1,059	
107484-7	13700	REGULATOR, HIGH STAGE PNEU, EBU	UNKN	UNKN	UNKN	UNKN	
3202222-1	11255	VALVE, BLEED, 5TH.STAGE DUCT	UNKN	UNKN	UNKN	UNKN	
320548-2	20548	VALVE, SOLENOID ENG BLEED AIR	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	FITTING, HANGER, FWD ENGINE MOUNT	UNKN	UNKN	UNKN	UNKN	
310A2020-5	503523	MOUNT, FWD, SUB-ASSY	UNKN	UNKN	9,350	2,728	
314A2610-62	827-303	NOZZLE ASSY, PRIMARY	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	PLUG ASSY, PRIMARY	UNKN	UNKN	UNKN	UNKN	
310A2030-17	444	MOUNT, AFT, ASSY	UNKN	UNKN	9,350	2,728	

LRU/QEC INVENTORY

ENGINE S/N: [redacted] **TSN:** 49,939

ENGINE P/N: CFM56-7 B26 **CSN:** 29,890

P/N	SERIAL NUMBER	DESCRIPTION	TSN	CSN	TSO	CSO	REMARKS
3289630-2	5615	VALVE, STARTER, EBU PNEU	55,983	17,283	18,024	5,128	
828300-5	YA011497	PUMP, FUEL ENG	UNKN	UNKN	UNKN	UNKN	
45731-1393	YB901465	COOLER, IDG FUEL/OIL	UNKN	UNKN	UNKN	UNKN	
RP236-00	NOT VISIBLE	PROBE, PT25 TEMPERATURE SENSOR	UNKN	UNKN	UNKN	UNKN	
8TJ167GHH1	GDB9203L	TRANSMITTER, FUEL FLOW	UNKN	UNKN	UNKN	UNKN	
442653	BECW6415	HYDROMECHANICAL UNIT, HMU (EROPS)	39,400	11,165	39,400	11,165	
505344-1	NOT VISIBLE	ROTOR, ALTERNATOR	UNKN	UNKN	UNKN	UNKN	
1853M33P06	LMDN6420	CONTROL, ENGINE, EEC FADEC3 NON	UNKN	UNKN	UNKN	UNKN	
8TC19AAN1	GDBE718B	SENSOR, TEMP, CPRSR DISCHARGE(T3)	UNKN	UNKN	UNKN	UNKN	
TC292-02	N/A	SENSOR, T5	–	–	–	–	RECEIVED WITHOUT
RP235-00	N/A	PROBE, T12 TEMPERATURE SENSOR	–	–	–	–	RECEIVED WITHOUT
QA07995	NOT VISIBLE	SWITCH, FUEL DIFFERENTIAL	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	VALVE, TURBINE CLEARANCE	UNKN	UNKN	UNKN	UNKN	I/D PLATE MISSING
3291390-3	GRTM8508	VALVE, AIR TRANSIENT BLEED	UNKN	UNKN	UNKN	UNKN	
C24937001-1	YR010480	VALVE, LPT ACC	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	ACTUATOR, VARIABLE STATOR	UNKN	UNKN	UNKN	UNKN	I/D PLATE MISSING
NOT VISIBLE	NOT VISIBLE	ACTUATOR, VARIABLE STATOR	UNKN	UNKN	UNKN	UNKN	I/D PLATE MISSING
NOT VISIBLE	NOT VISIBLE	ACTUATOR, VALVE, VARIABLE BLEED, VBC	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	ACTUATOR, VALVE, VARIABLE BLEED, VBC	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	PROBE, T49.5 THERMOCOUPLE	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	PROBE, T49.5 THERMOCOUPLE	UNKN	UNKN	UNKN	UNKN	
NOT VISIBLE	NOT VISIBLE	PROBE, T49.5 THERMOCOUPLE	UNKN	UNKN	UNKN	UNKN	

LRU/QEC INVENTORY

ENGINE S/N: [redacted] **TSN:** 49,939

ENGINE P/N: CFM56-7 B26 **CSN:** 29,890

P/N	SERIAL NUMBER	DESCRIPTION	TSN	CSN	TSO	CSO	REMARKS
NOT VISIBLE	NOT VISIBLE	PROBE, T49.5 THERMOCOUPLE	UNKN	UNKN	UNKN	UNKN	
320-862-401-0	YJ185490	SENSOR SPEED, N1	UNKN	UNKN	UNKN	UNKN	
320-549-004-0	YJ192551	SENSOR SPEED, N2	UNKN	UNKN	UNKN	UNKN	
144-187-000-011	NOT VISIBLE	SENSOR, VIBRATION(FFCCV)	UNKN	UNKN	UNKN	UNKN	
41F1005	YT005467	LUBRICATION UNIT,	UNKN	UNKN	UNKN	UNKN	
11-841193-4	YP027084	EXCHANGER, HEAT, OIL/FUEL	UNKN	UNKN	UNKN	UNKN	
45731-1381	35965	SERVO, FUEL HEATER	UNKN	UNKN	UNKN	UNKN	
QA07656ISS1	RGB2244	TRANSMITTER, OIL CLOGGING	UNKN	UNKN	UNKN	UNKN	
8TJ146CFA1	YE010518	SENSOR, OIL LEVEL	UNKN	UNKN	UNKN	UNKN	
APTE8A20007BARD	YK010527	OIL PRESSURE TRANSMITTER	UNKN	UNKN	UNKN	UNKN	
3505945-9	GRTA2171C	STARTER, AIR TURB, (FOR-EROPS)	47,293	14,285	33,635	10,308	
10-631045-2	UNNEM750	EXCITER, IGNITION 737NG	UNKN	UNKN	UNKN	UNKN	
10-631045-2	UNNEM817	EXCITER, IGNITION 737NG	UNKN	UNKN	UNKN	UNKN	
41F3003	YT015462	ANTI-LEAK VALVE	UNKN	UNKN	UNKN	UNKN	
340-403-802-0	YT010454	OIL TANK	UNKN	UNKN	UNKN	UNKN	
390-660-401-0	PB002478	IDENTIFICATION PLUG	UNKN	UNKN	UNKN	UNKN	
1853M78P39	NOT VISIBLE	ECU SOFTWARE	UNKN	UNKN	UNKN	UNKN	
RP238-00	YC0958	OIL TEMP. TRANSMITTER	UNKN	UNKN	UNKN	UNKN	
7579078	11899	HYDRAULIC FILTER ASSY	UNKN	UNKN	UNKN	UNKN	
42F9002	YT022286-5	OIL SCAVENGE FILTER ASSY	UNKN	UNKN	UNKN	UNKN	
9059110-1	UNNA6908	IGNITION LEAD ASSY	UNKN	UNKN	UNKN	UNKN	
9059110-1	UNNA6912	IGNITION LEAD ASSY	UNKN	UNKN	UNKN	UNKN	
44E64-8	GWD26582	FUEL STAGING VALVE	UNKN	UNKN	UNKN	UNKN	

MAINTENANCE & ENGINEERING

LRU/QEC INVENTORY

ENGINE S/N: [redacted] **TSN:** 49,939

ENGINE P/N: CFM56-7 B26 **CSN:** 29,890

P/N	SERIAL NUMBER	DESCRIPTION	TSN	CSN	TSO	CSO	REMARKS
8910-114	N/A	VALVE BURNER SELECTION	-	-	-	-	BY CONFIG
TC296-04	NOT VISIBLE	PROBE T49.5	UNKN	UNKN	UNKN	UNKN	4EA
340-403-004-0	YP930472-5	FUEL NOZZLE FILTER ASSY	UNKN	UNKN	UNKN	UNKN	
144-186-000-011	NOT VISIBLE	VIB BRG 1	UNKN	UNKN	UNKN	UNKN	
340-046-503-0	1431	AGB	UNKN	UNKN	UNKN	UNKN	
340-050-704-0	1436	TGB	UNKN	UNKN	UNKN	UNKN	

ILIA KARMINSKY
ENGINE SHOP SUPERVISOR

12.MAY.2020

1.Approving Competent Authority / Country:	2.	3. Form Tracking Number:
CAA-NL THE NETHERLANDS	**AUTHORISED RELEASE CERTIFICATE** **EASA FORM 1**	E 001265360

4. Organisation Name and Address:	5. Work Order/Contract/Invoice:
KLM **KLM Engineering & Maintenance** **KLM Royal Dutch Airlines** **P.O. Box 7700, 1117 ZL Schiphol Airport, The Netherlands** **Trade Register Amsterdam no. 33014286**	7B/0104683---

6. Item	7. Description	8. Part No.	9. Quantity	10. Serial No.	11. Status/Work
1	ENGINE	CFM56-7B24	1	[redacted]	REPAIRED

12. Remarks:

ACCORDING TO: CFMI 72-00-00: REV. 42 DATED: 15-JUL-2010.
THE SUMMARY OF ACCOMPLISHED WORK (AD-; SB-; AND LLP STATUS) IS STATED ON TALLY SHEET EN20B.
ENGINE OIL AND FUEL SYSTEM INHIBITED FOR 365 DAYS PRESERVATION
I.A.W. 72-00-00 STORAGE ON: 07-OCT-2010
TSN:31063 CSN:18616

Pertinent details are on file at this repair station. This component is identified by codenumber - serialnumber - Delivered with logistical tag no.

KLM E&M, FAA Repair Station Number KRDY791F, certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with USA Title 14 CFR Part 43 and in respect to that work, the item(s) is/are approved for return to service under Title 14 CFR Part 43.9.

Transport Canada approval number: 800-03

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 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:	14c. Certificate/Approval Ref. No.:
			NL.145.1113
13d. Name *(typed or printed)*:	13e. Date (dd/mmm/yyyy):	14d. Name *(typed or printed)*:	14e. Date (dd/mmm/yyyy):
		A OOSTING 00033960	08 OCT 2010

EASA Form 1 MF/145 Issue 2

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 block 13a and 14a 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.

KLM engineering & maintenance

CARRY FORWARD SHEET

Engine Serial no. : [redacted] Project no. : 7B/0104683

GENERAL INFORMATION

This document provides information necessary for engine re-installation.
Items that require action during engine re-installation are still open on this document. These items must be cleared by the customer / operator i.a.w. the customer / operator procedures.

ENGINE TEST INFORMATION

Item no.	Task	Task(s) performed?	
1	The engine was performance tested (acc. GE ESM 72-00-00 Testing).	☒ Yes	☐ No
2	The engine was tested with IDG. **Note:** *(If installed during engine test, the I.D.G. was serviced* (acc. GE ESM 72-00-00 Testing 000). *Check oil sticker on IDG for oil type used.)*	☐ Yes	☒ No
3	The Engine oil tank was serviced (acc. GE ESM 72-00-00 Testing 000). Check oil sticker on engine oil tank for oil type used. For CF6 models the starter was serviced according GE ESM 72-00-00 Testing 000.	☒ Yes	☐ No
4	The engine oil and fuel systems were preserved. Upto 30 days	☐ Yes	☒ No
	Upto 3 months	☐ Yes	☒ No
	Upto one year	☒ Yes	☐ No

Remark: The engine was tested without hydraulic pump. The hydraulic system was not functionally tested.

ACTION ITEMS

Item no.	Issued by *(Stamp)*	Description open action items	Completed by *(Stamp)*
1	A Oosting 33960 D-EM	Fuel system was preserved. De-preserve prior to service i.a.w. AMM.	
2	A Oosting 33960 D-EM	Oil system was preserved. De-preserve prior to service i.a.w. AMM.	
3	A Oosting 33960 D-EM	Customer/operator is responsible for actioning the following AD's: **Refer to AD Status Report**	
4	A Oosting 33960 D-EM	Customer/operator to remove all engine transportation caps and covers, and desiccant bags (front and rear of engine) prior to service.	
5	A Oosting 33960 D-EM	Customer/operator to supply and install items listed missing on Accessories status list (enclosed in ride-on pack).	
6	A Oosting 33960 D-EM	Customer/operator is responsible for actioning the following deferred MRI tasks Customer responsible for all tasks to be performed.	
7	A Oosting 33960 D-EM	Check Post Testcell Robbery Sheet (KLM E&M 10645) to determine system integrity since the testcell performance run.	
	Issued by *(Stamp)*	Description open action items	Completed by *(Stamp)*
- row			

KLM engineering & maintenance

POST TESTCELL ROBBERY SHEET

Engine no. : [redacted] Project no. : 7B/0104683 Issue date: 08-oct-2010

Information for operator:
The following parts/components have been removed/replaced AFTER the engine performance test. Refer to the AMM for applicable test procedures to ensure the engine operates correctly after parts/components are replaced.

Item no.	Action	P/N	S/N	Date (dd-Mmm-yyyy)	Stamp/ Sign
1	Part name : HMU				
	Removed	1853M56P11	BECW1002	13-Okt-2010	RJ Willemstijn 31158 D-EM
	Installed				
2	Part name : MAIN FUEL PUMP				
	Removed	340-402-105-0	YA011497-J	13-OKT-2010	P.R. Putters 37504
	Installed				
3	Part name :				
	Removed				
	Installed				
4	Part name :				
	Removed				
	Installed				
5	Part name :				
	Removed				
	Installed				
6	Part name :				
	Removed				
	Installed				
7	Part name :				
	Removed				
	Installed				
8	Part name :				
	Removed				
	Installed				

Instruction for KLM mechanics (ref. WPI AM0072 and WPI AM0180):

- Whenever a part is removed or installed, record P/N and S/N data on this page.
  Note: For LRU robbery on KL/Pool engines: record "code- / volgnummer" instead of P/N and S/N.
  Fax a copy of this page to Engine Services – Poolmanagement, fax: (+31 20 64) 88501
- If this page is full, contact Engine Administration (tel. 93773) for an additional sheet.

KLM engineering & maintenance

AD STATUS REPORT

Engine Type	CFM56-7B24	**Total Time**	31063
Engine Serial Number	[redacted]	**Total Cycles**	18616
Date of issue	30 Sep 2010	**At date**	27 Jun 2010

AD Number / Amend. Nr. / Eff. Date	Reference (Code/Serial Nr. - KLM) Part/Serial Nr. - Vendor	Compliance data	Next Due	Comments
FAA 98-14-51 39-10758 01 Oct 1998 (DGAC 98-259(B)R1)	AGB/TGB MAGNETIC CHIP DETECTOR INSPECTION AND STARTER GEARSHAFT REMOVAL FROM SERVICE Effective starter gearshaft serial numbers: Ref. SB 72-130 and SB 72-132.	Not applicable to serial number installed.	Closed	p/n : **340-055-202-0** s/n : **UR10186**
FAA T98-18-51	EEC FAULT MESSAGE INSPECTION FOR HMU FMV SIGNAL FAULTS None	Superseded by AD 98-21-23	Closed	
FAA 98-19-20 39-10761 07 Oct 1998 (DGAC 98-162(B)R1)	HMU INSPECTION I.A.W. SB 73-016 Effective HMU part number: 1853M56P04 (442008), 1853M56P05 (442026).	Not applicable to part number installed.	Closed	p/n : **1853M56P11** s/n : **BECW1002**
FAA 98-21-23 39-10831 02 Nov 1998 (DGAC 98-350(B)R2)	EEC FAUL MESSAGE INSPECTION FOR HMU FMV SIGNAL FAULTS AND EEC SOFTWARE REPLACEMENT (I.A.W. SB 73-A024) Effective EEC software part numbers: 1853M78P07, 1853M78P08, 1853M78P10, 1853M78P11.	Inspection and replacement of EEC software i.a.w. SB 73-A024 is not applicable to software part number installed	Closed	p/n ECU : **2042M67P02** s/n ECU : **LMDR4681** p/n EEC software : **2044M25P08**
FAA 2000-12-01 39-11779 11 Dec 2000	ESM CFMI-TP.SM.10 - AIRWORTHINESS LIMITATIONS SECTION (05-00-00) REVISION None	Superseded by AD 2002-13-03	Closed	
FAA 2001-11-05 39-12246 11 Jun 2001 (DGAC 2001-240(B))	AFT SUMP MAGNETIC CHIP DETECTOR INSPECTION AND NO. 4 BEARING REMOVAL FROM SERVICE (SB 72-A0328 - SB 72-A0329) Effective no. 4 bearing (p/n : 305-355-717-0) serial numbers: Ref. AD 2001-11-05 Tabel 1.	Not applicable to part number installed.	Closed	p/n : **305-355-720-0** s/n : **DA856049-L**

Compiled by: E.R.V. Frankel

Checked by: T.R. dos Santos

KLM E M 2278-12.05

(stamp/ signature) ERV. Fränkel 71882-02

(stamp/ signature) R.D. Tjen 92230

KLM engineering & maintenance

AD STATUS REPORT

Engine Type	CFM56-7B24	**Total Time**	31063
Engine Serial Number	[redacted]	**Total Cycles**	18616
Date of issue	~~30 Sep 2010~~	**At date**	27 Jun 2010

AD Number **Amend. Nr.** **Eff. Date**	**Reference** **(Code/Serial Nr. - KLM)** **Part/Serial Nr. - Vendor**	**Compliance data**	**Next Due**	**Comments**
FAA 2002-13-03 39-12790 01 Aug 2002	REVISIONS TO AIRWORTHINESS LIMITATIONS SECTION OF ENGINE SHOP MANUAL AND APPROVED CONTINUOUS AIRWORTHINESS MAINTENANCE PROGRAM.			
	None Effective Fan Disks: all partnumbers Effective Fan Shafts: all partnumbers Effective HPT Disks: all partnumbers Effective HPT Front Rotating Air Seals: all partnumbers Effective HPC stage 1-2 Spools: all partnumbers Effective HPC stage 3 Spools: all partnumbers Effective HPC stage 4-9 Spools: all partnumbers Effective HPC Front Shafts: all partnumbers Effective HPC Rear (CDP) Air Seals: all partnumbers Effective LPT stage 1 Disks: all partnumbers Effective LPT stage 2 Disks: all partnumbers Effective LPT stage 3 Disks: all partnumbers Effective LPT stage 4 Disks: all partnumbers Effective LPT Rotor Supports: all partnumbers Effective LPT Shafts: all partnumbers	GE AE Engine manual changed and continuous airworthiness maintenance plans modified in accordance with AD 2009-04-10 . All mandatory inspections as mentioned in AD 2002-13-03 were added to the Engine manual. All applicable parts which were exposed on piece-part level have had all the appropriate inspections applicable at that time.	When at piece part exposure	See enclosure for more detailed information concerning accomplished inspections.
FAA 2002-16-18 39-12857 18 Sep 2002 (DGAC 2002-470(B))	2ND AND 3RD STAGE LOW PRESSURE TURBINE NOZZLE SEGMENTS RETIREMENT I.A.W. SB 72-0241			
	Effective stage 2 LP turbine nozzle segments references: 338-109-104-0, 338-109-105-0, 338-109-106-0, 338-109-204-0, 338-109-205-0, 338-109-206-0, 338-109-304-0, 338-109-305-0, 338-109-306-0. Effective stage 3 LP turbine nozzle segments references: 338-109-702-0, 338-109-802-0	Replacement of LPT nozzle segments stg. 2 and stg. 3 i.a.w. SB 72-0241 have been complied with on **30 Sep 2010**	Closed	p/n stg 2 nozzle segments : **338-109-107-0/ 338-109-308-0/ 338-109-207-0** p/n stg 3 nozzle segments : **338-109-704-0/ 338-109-705-0/ 338-109-805-0**

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AD STATUS REPORT

Engine Type	CFM56-7B24	**Total Time**	31063
Engine Serial Number	[redacted]	**Total Cycles**	18616
Date of issue	30 Sep 2010	**At date**	27 Jun 2010

AD Number Amend. Nr. Eff. Date	Reference (Code/Serial Nr. - KLM) Part/Serial Nr. - Vendor	Compliance data	Next Due	Comments
FAA 2003-03-01 39-13025 13 Feb 2003	AFT ENGINE MOUNT - CENTER LINK ASSEMBLY INSPECTION FOR CORRECT INSTALLATION I.A.W. SB 737-71A1462			
	Effective for airplanes on which an engine has been removed since aircraft delivery date. CEO 81631 (initial inspection) 1) Inspection of the aft engine mount to determine if the center link assembly is correctly installed 2) Inspection of the aft engine mount before installation of engine.	Operator's responsibility.	**Open,** SB 737-71A1462 to be performed every shop visit before installation on wing	
FAA 2006-26-01 39-14859 03 Jan 2007	REPLACEMENT OF FUEL FILTERS			
	Replacement of Fuel Filters on CFM56-7B and on CFM56-2,-3, and -5 Series Engines with part numbers: WF337661 or WF337017 and 7595983-101 or 7588133. MO 73-0370	N ot applicable to part number installed	Closed	p/n : **FA00631C** s/n : **YP930472-5**
EASA 2007-0104 02 May 2007	LIFE REDUCTION OF LOW PRESSURE TURBINE REAR FRAME I.A.W. SB 72-0579 rev. 1			
	LPT Rear frame with p/n's : **340-166-205-0**, **340-166-206-0**, **340-166-207-0**, **340-166-208-0**, **340-166-209-0** and **340-166-210-0**, comply with the LCF life limits i.a.w. chapters 05-12-04 and 05-21-03 in the CFM56-7B ESM, Rev.33 or later.	Not applicable to part number installed.	Closed	p/n : **340-027-113-0** s/n : **DA704905**
FAA 2008-03-09 39-15359 10 Mar 2008	PREVENTION OF FAILURE OF THE TRF FROM LOW CYCLE FATIQUE CRACKS I.A.W. SB 72-0579 rev. 1			
	LPT Rear frame with p/n's : **340-166-205-0**, **340-166-206-0**, **340-166-207-0**, **340-166-208-0**, **340-166-209-0** and **340-166-210-0**, comply with the LCF life limits i.a.w. chapters 05-21-03 with temporary revision 05-0080 CFM56-7B ESM.	Not applicable to part number installed.	Closed	p/n : **340-027-113-0** s/n : **DA704905**
EASA 2009-0009 28 Jan 2009	LPT REAR FRAME LOW CYCLE FATIQUE (LCF) LIFE LIMITS OR MANDATORY INSPECTIONS I.A.W. SB 72-0579 rev. 4, AND SB 72-0558 rev. 2.			
	LPT Rear frame with p/n's : **340-166-254-0**, **340-166-255-0**, **340-166-256-0**, **340-166-257-0**, **340-166-258-0**, **340-166-259-0**, **340-177-551-0**, **340-177-552-0**, **340-177-553-0**, **340-177-554-0**, **340-177-555-0** and **340-177-556-0** comply with the new LCF life limits i.a.w. CFM56-7B ESM chapter 05 with Temporary Revisions 05-0097, 05-0098 and 05-0099.	Not applicable to part number installed.	Closed	p/n : **340-027-113-0** s/n : **DA704905**

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Checked by: T.R. dos Santos

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AD STATUS REPORT

Engine Type	CFM56-7B24	**Total Time**	31063
Engine Serial Number	[redacted]	**Total Cycles**	18616
Date of issue	30 Sep 2010	**At date**	27 Jun 2010

AD Number Amend. Nr. Eff. Date	Reference (Code/Serial Nr. - KLM) Part/Serial Nr. - Vendor	Compliance data	Next Due	Comments
FAA 2009-11-02	REMOVAL HPC 4-9 SPOOLS WITH CERTAIN PART AND SERIAL NUMBERS.			
23 Jun 2009	CFM56-2, CFM56-3, CFM56-5A, CFM56-5B, CFM56-5C and CFM56-7B turbofan engines with HPC 4-9 Spool installed.	Not applicable to part and serial number installed	Closed	p/n : **2048M20G03** s/n : **GWN0N0A1**
EASA 2009-0270	Removal from service certain LPT Stg. 3 Disks with p/n : 336-002-006-0.			
31 Dec 2009	For all CFM 56-7B engines, all models, if equipped with stage 3 LPT disks p/n : 336-002-006-0, with s/n : DE255844, DE256388, DE256622, DE256623, DE256625, DE256627, DE256628, DE256631, DE256637. Remove from service above mentioned Disks before accumulating 9500 Part CSN i.a.w. SB 72-0743.	Not applicable to serial number installed.	Closed	p/n : **336-002-006-0** s/n : **PA438774**
FAA 2010-01-05	Eddy Current Inspection i.a.w. SB 72-0579 on the LP Turbine Rear Frame.			
18 Feb 2010	For CFM 56-7B20, -7B22, -7B24, -7B26, -7B27, -7B22/B1, -7B24/B1, -7B27/B1, -7B26/B1, -7B20/3, -7B22/3, -7B24/3, -7B26/3, -7B27/3, -7B22/3B1, -7B24/3B1, -7B27/3B1, -7B26/3B1, -7B26/3F, -7B27/B3, -7B27/3F, -7B27/3B1F and -7B27/3B3 turbofan engines with installed LPT Rear Frame with p/n : 340-166-254-0, 340-166-255-0, 340-166-256-0, 340-166-257-0, 340-166-258-0 or 340-166-259-0 perform an Eddy Current inspection.	Not applicable to part number installed.	Closed	p/n : **340-027-113-0** s/n : **DA704905**
FAA 2010-13-09 39-16340 26 Jul 2010	Removal from service certain LPT Stg. 3 Disks with p/n : 336-002-006-0.			
	For all CFM 56-7B engines, all models, if equipped with stage 3 LPT disks p/n : 336-002-006-0, with s/n : DE255844, DE256388, DE256622, DE256623, DE256625, DE256627, DE256628, DE256631, DE256637. Remove from service above mentioned Disks before accumulating 9500 Part CSN i.a.w. SB 72-0743.	Not applicable to serial number installed.	Closed	p/n : **336-002-006-0** s/n : **PA438774**

Revision No.	Reason for Revision	Date	Revised by : (name)

Abbreviations used:	
AD	Airworthiness Directive
CSN	Cycles Since New
EC	Eddy Current Inspection
FPI	Fluorescent Penetrant Inspection
i.a.w.	in accordance with
MPI	Magnetic Particle Inspection
SB	Service Bulletin

Compiled by: E.R.V. Frankel

Checked by: T.R. dos Santos

(stamp/ signature) ERV. Fränkel 71882-02

(stamp/ signature) R.D. Tjen 92230

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AD STATUS REPORT

Engine Type	CFM56-7B24	**Total Time**	31063
Engine Serial Number	[redacted]	**Total Cycles**	18616
Date of issue	30 Sep 2010	**At Date**	27 Jun 2010

ENCLOSURE FOR AD 2002-13-03

Part :	Subtask :	Piece Part exposed this shopvisit ?	Date of last inspection record (dd Mmm yyyy)
Fan Disk (IIN 213)	72-21-03-230-051 (FPI)	New	N/A
	72-21-03-250-052 (EC)	New	N/A
	72-21-03-250-051 (EC)	New	N/A
Fan Shaft (IIN 221)	72-22-01-240-052 (MPI)	New	N/A
HPC Front Shaft (IIN 312)	72-31-07-230-051 (FPI)	New	N/A
HPC Stage 1-2 Spool (IIN 313)	72-31-04-230-055/056 (FPI)	New	N/A
HPC Stage 3 Disk (IIN 314)	72-31-05-230-051 (FPI)	New	N/A
HPC Stage 4-9 Spool (IIN 315)	72-31-06-230-051 (FPI)	New	N/A
HPC Rear (CDP) Air Seal (IIN 316)	72-31-08-230-051 (FPI)	New	N/A
HPT Front Rotaiting Air Seal (IIN 522)	72-52-03-230-051 (FPI)	New	N/A
	72-52-03-250-051 (EC)	New	N/A
	72-52-03-230-053 (FPI)	New	N/A
HPT Disk (IIN 525)	72-52-02-230-051 (FPI)	New	N/A
	72-52-02-250-051 (EC)	New	N/A
LPT Stage 1 Disk (IIN 542)	72-54-03-230-052 (FPI)	New	N/A
LPT Stage 2 Disk (IIN 543)	72-54-03-230-052 (FPI)	New	N/A
LPT Stage 3 Disk (IIN 544)	72-54-03-230-052 (FPI)	New	N/A
LPT Stage 4 Disk (IIN 545)	72-54-03-230-052 (FPI)	New	N/A
LPT Rotor Support (IIN 546)	72-54-05-230-051 (FPI)	New	N/A
LPT Shaft (IIN 551)	72-55-01-240-051 (MPI)	New	N/A

Compiled by: E.R.V. Frankel

(stamp / signature) ERV. Fränkel 71882-02

Checked by: T.R. dos Santos

(stamp / signature) R.D. Tjen 92230

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

IIN	Partnumber	Serialnumber	Nomenclature
211	340-000-816-0:F0301	DE458631	SPOOL-BOOSTER

Flown cycles/model

Model	Limit	CTG
567B20	23600	23600
567B20_2	23600	23600
567B22	23600	23600
567B22_2	23600	23600
567B22_B1	23600	23600
567B24	23600	23600
567B24_2	23600	23600
567B24_B1	23600	23600
567B26	23600	23600
567B26_2	23600	23600
567B26_B1	23600	23600
567B27	23600	23600
567B27_2	23600	23600
567B27_B1	22900	22900
567B27_B3	23600	23600

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_722100_001_810	21X74523	0	0	0	0	23600

IIN	Partnumber	Serialnumber	Nomenclature
213	340-000-420-0:F0301	PA368558	DISK-FAN ASSY

Flown cycles/model

Model	Limit	CTG
567B20	30000	30000
567B20_2	19900	19900
567B22	30000	30000
567B22_2	19900	19900
567B22_B1	30000	30000
567B24	30000	30000
567B24_2	19900	19900

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_722100_001_191	21X74523	0	0	0	0	30000

Engine serial number	[redacted]	Engine TSN	31063	Aircraft Registration/Pos.	HK4627/1
Engine configuration	567B24	Engine CSN	18616	Stub Life	15000

567B24_B1	30000	30000
567B26	30000	30000
567B26_2	19900	19900
567B26_B1	19900	19900
567B27	30000	30000
567B27_2	19900	19900
567B27_B1	30000	30000
567B27_B3	19900	19900

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
221	335-006-414-0:F0301	DE802296	FAN SHAFT ASSY	4_722200_001_520	22X74523	0	0	0	0	30000

Flown cycles/model	Limit	CTG
567B18	30000	30000
567B20	30000	30000
567B20_2	30000	30000
567B22	30000	30000
567B22_2	30000	30000
567B22_B1	30000	30000
567B24	30000	30000
567B24_2	30000	30000
567B24_B1	30000	30000
567B26	30000	30000
567B26_2	30000	30000
567B26_B1	30000	30000
567B27	30000	30000
567B27_2	30000	30000
567B27_B1	30000	30000
567B27_B3	30000	30000

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
312	1386M56P03:07482	GWN0N16D	SHAFT-CPRSR ROTOR	4_723100_001_530	31X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B26_B1	20000	20000
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000
567B27_B3	20000	20000

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
313	1558M31G07:07482	GWN0MN16	SPOOL ASSY CPSR ROTOR STG 1 & 2	4_723100_001_550	31X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

567B26	20000	20000
567B26_2	20000	20000
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000

IIN	Partnumber	Serialnumber	Nomenclature
314	2116M23P01:07482	XAEK4631	DISK STG-3

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_723100_001_520	31X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000

IIN	Partnumber	Serialnumber	Nomenclature
315	2048M20G03:58828	GWN0N0A1	SPOOL ASSY CPSR ROTOR STG 4 TRU 9

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_723100_001_510	31X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000

Engine serial number [redacted] Engine TSN 31063 Aircraft Registration/Pos. HK4627/1
Engine configuration 567B24 Engine CSN 18616 Stub Life 15000

567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
316	2116M25P01:07482	GFF5FCWW	SEAL, ROTATING AIR REAR	4_723100_001_470	31X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
521	2048M21P03:07482	FCV02472	SHAFT HPT ROTOR FRONT	4_725200_001_190	52X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B26_B1	15500	15500
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000
567B27_B3	15500	15500

IIN	Partnumber	Serialnumber	Nomenclature	Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
522	2116M20P02:07482	TMT5CP26	SEAL ROTATINGAIR HPT FRONT	4_725200_001_200	52X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

567B26_B1	10400	10400
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000
567B27_B3	10400	10400

IIN	Partnumber	Serialnumber	Nomenclature
525	1498M43P07:07482	GWN0MWJN	DISK HPT ROTOR

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725200_001_240	52X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000
567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B26_B1	13800	13800
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000
567B27_B3	13800	13800

IIN	Partnumber	Serialnumber	Nomenclature
526	1864M90P04:07482	TMT7U441	SHAFT-HPT REAR

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725200_001_172	52X74523	0	0	0	0	20000

Flown cycles/model

Model	Limit	CTG
567B20	20000	20000
567B20_2	20000	20000

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

567B22	20000	20000
567B22_2	20000	20000
567B22_B1	20000	20000
567B24	20000	20000
567B24_2	20000	20000
567B24_B1	20000	20000
567B26	20000	20000
567B26_2	20000	20000
567B26_B1	16500	16500
567B27	20000	20000
567B27_2	20000	20000
567B27_B1	20000	20000
567B27_B3	16500	16500

IIN	Partnumber	Serialnumber	Nomenclature
542	336-001-804-0:F0301	PA408744	DISK-LPT STG 1

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725400_010_340	54X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B18	25000	25000
567B20	25000	25000
567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000
567B26_B1	25000	25000

Engine serial number [redacted] Engine TSN 31063 Aircraft Registration/Pos. HK4627/1
Engine configuration 567B24 Engine CSN 18616 Stub Life 15000

567B27	25000	25000
567B27_2	25000	25000
567B27_B1	25000	25000
567B27_B3	25000	25000

IIN	Partnumber	Serialnumber	Nomenclature
543	336-001-909-0:F0301	PA322560	DISK-LPT STG 2

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725400_010_090	54X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B18	25000	25000
567B20	25000	25000
567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000
567B26_B1	25000	25000
567B27	25000	25000
567B27_2	25000	25000
567B27_B1	25000	25000
567B27_B3	25000	25000

IIN	Partnumber	Serialnumber	Nomenclature
544	336-002-006-0:F0301	PA438774	DISK-LPT STG 3

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725400_005_240	54X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B18	25000	25000
567B20	25000	25000

Engine serial number [redacted]
Engine configuration 567B24

Engine TSN 31063
Engine CSN 18616

Aircraft Registration/Pos. HK4627/1
Stub Life 15000

567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000
567B26_B1	25000	25000
567B27	25000	25000
567B27_2	25000	25000
567B27_B1	25000	25000
567B27_B3	25000	25000

IIN	Partnumber	Serialnumber	Nomenclature
545	336-002-105-0:F0301	PA447972	DISK-LPT STG 4

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725400_005_070	54X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B18	25000	25000
567B20	25000	25000
567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000

Engine serial number [redacted] Engine TSN 31063 Aircraft Registration/Pos. HK4627/1
Engine configuration 567B24 Engine CSN 18616 Stub Life 15000

567B26_B1	19500	19500
567B27	25000	25000
567B27_2	25000	25000
567B27_B1	23900	23900
567B27_B3	19500	19500

IIN	Partnumber	Serialnumber	Nomenclature
546	338-077-502-0:F0301	DE661132	SUPPORT

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725400_005_340	54X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B18	25000	25000
567B20	25000	25000
567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000
567B26_B1	25000	25000
567B27	25000	25000
567B27_2	25000	25000
567B27_B1	25000	25000
567B27_B3	25000	25000

IIN	Partnumber	Serialnumber	Nomenclature
551	340-074-723-0:F0301	PA438449	SHAFT-LPT

Figure Item	Next higher	TSN	CSN	TSO	CSO	CTG
4_725500_001_280	55X74523	0	0	0	0	25000

Flown cycles/model

Model	Limit	CTG
567B20	25000	25000

Engine serial number	[redacted]	Engine TSN	31063	Aircraft Registration/Pos.	HK4627/1
Engine configuration	567B24	Engine CSN	18616	Stub Life	15000

567B20_2	25000	25000
567B22	25000	25000
567B22_2	25000	25000
567B22_B1	25000	25000
567B24	25000	25000
567B24_2	25000	25000
567B24_B1	25000	25000
567B26	25000	25000
567B26_2	25000	25000
567B26_B1	25000	25000
567B27	25000	25000
567B27_2	25000	25000
567B27_B1	25000	25000
567B27_B3	25000	25000

---------- END OF REPORT ----------

KLM engineering & maintenance
Engine Services

PARTS TRACKING LIST:

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
POWER PLANT	72X	CFM56-7-720000	874523	31063	18616		
FAN MAJOR MODULE	01X	CFM56-7-720001	01X74523	31063	18616		
FAN FRAME MODULE	23X	CFM56-7-722300	23X74523	31063	18616		
HUB-12 STRUT		340-002-805-0	LA058132	UKNW	UKNW	UKNW	UKNW
CASE		340-059-817-0	DA482844	UKNW	UKNW	UKNW	UKNW
SHROUD-FAN FR		340-059-921-0	DA936866	UKNW	UKNW	UKNW	UKNW
INNER SHAFT RADIAL		340-049-803-0	UV00468	UKNW	UKNW	UKNW	UKNW
SEAL-OIL STA	23G	1851M47G01	PPBNM326	0	0	0	0
SEAL-STA NO.3 BRG	23E	1853M10G03	CTDH4241	UKNW	UKNW	0	0
FAN AND BOOSTER MODULE	21X	CFM56-7-722100	21X74523	31063	18616		
DISK-FAN ASSY	213	340-000-420-0	PA368558	0	0	0	0
FAN BLADE	21A	340-001-027-0	DA817243	UNKW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-028-0	DC002069	UKNW	UKNW	0	0
FAN BLADE	21A	340-001-026-0	DC000827	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-028-0	DC001523	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-028-0	DC000418	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-028-0	DB863556	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-028-0	DC000496	UKNW	UKNW	0	0
FAN BLADE	21A	340-001-027-0	DB620151	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	BA827913	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB623029	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB623229	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB623051	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	BB177619	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB498564	UKNW	UKNW	0	0
FAN BLADE	21A	340-001-027-0	DA814472	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB620975	UKNW	UKNW	0	0
FAN BLADE	21A	340-001-027-0	DA815048	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	BB361415	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB382667	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB381120	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	BB172042	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB623217	UKNW	UKNW	0	0
FAN BLADE (NP)	21A	340-001-029-0	DB621619	UKNW	UKNW	0	0
FAN BLADE	21A	340-001-027-0	DA814312	UKNW	UKNW	0	0
SPOOL-BOOSTER	211	340-000-816-0	DE458631	0	0	0	0
ACCESSORY GEARBOX ASSEMBLY	63X	CFM56-7-726300	63X74523	31063	18616		
GEARSHAFT ASSY-55 TOOTH		340-048-301-0	U000276	31063	18616	0	0
BEARING	63D	305-115-201-0	UR11548	31063	18616	0	0

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
BEARING	63F	305-115-306-0	UR31508	31063	18616	0	0
BEARING	63L	301-480-926-0	UR32819	31063	18616	0	0
BEARING	63D	340-052-602-0	EB710406	0	0	0	0
BEARING	63R	301-480-726-0	EB761167	0	0	0	0
BEARING	63F	335-304-503-0	UR22967	31063	18616	0	0
BEARING	63L	340-054-502-0	EB706040	0	0	0	0
BEARING	63R	305-115-104-0	UR58212	31063	18616	0	0
BEARING	63D	301-480-320-0	UR16569	31063	18616	0	0
BEARING	63R	301-480-726-0	EB761179	0	0	0	0
BEARING	63R	305-115-104-0	UR58208	31063	18616	0	0
BEARING	63C	301-480-320-0	UR16570	31063	18616	0	0
BEARING	63L	301-480-926-0	UR32818	31063	18616	0	0
GEARSHAFT ASSY-73X44 TOOTH	637	335-303-201-0	UR40733	31063	18616	0	0
BEARING	63F	305-115-306-0	UR31509	31063	18616	0	0
BEARING	63R	305-115-104-0	UR58207	31063	18616	0	0
BEARING	63C	301-480-320-0	UR16572	31063	18616	0	0
BEARING	63R	305-115-104-0	UR58206	31063	18616	0	0
GEARSHAFT AS		340-051-801-0	UN00673	31063	18616	0	0
GEARSHAFT ASSY-62 TOOTH		340-051-901-0	U000183	31063	18616	0	0
GEARSHAFT ASSY-61X31 TOOTH	638	340-055-202-0	UR10186	31063	18616	0	0
GEARSHAFT AS		335-302-902-0	UN10920	31063	18616	0	0
GEARSHAFT AS		335-303-002-0	UN09952	31063	18616	0	0
BEARING	63D	335-304-402-0	UR13042	31063	18616	0	0
GEARSHAFT AS		335-303-503-0	UN10325	31063	18616	0	0
SHAFT ASSY		335-312-603-0	UC50030	UKNW	UKNW	0	0
GEARSHAFT AS		335-303-601-0	UN10633	31063	18616	0	0
HOUSING ASSY		340-046-602-0	U000648	31063	18616	0	0
CORE ENGINE MAJOR MODULE	02X	CFM56-7-720002	02X74523	31063	18616		
HPC ROTOR ASSEMBLY	31X	CFM56-7-723100	31X74523	31063	18616		
SEAL, ROTATING AIR REAR	316	2116M25P01	GFF5FCWW	0	0	0	0
SPOOL ASSY CPSR ROTOR STG 4 TRU 9	315	2048M20G03	GWN0N0A1	0	0	0	0
DISK STG-3	314	2116M23P01	XAEK4631	0	0	0	0
SHAFT-CPRSR ROTOR	312	1386M56P03	GWN0N16D	0	0	0	0
SPOOL ASSY CPSR ROTOR STG 1 & 2	313	1558M31G07	GWN0MN16	0	0	0	0
DUCT-AIR	311	9514M54G05	CAN52398	UKNW	UKNW	0	0
COMPRESSOR FRONT STATOR ASSEMBLY	32X	CFM56-7-723200	32X74523	31063	18616		
CASE ASSY		1559M30G10	GWNMW998	UKNW	UKNW	0	0
COMPRESSOR REAR STATOR ASSEMBLY	33X	CFM56-7-723300	33X74523	31063	18616		
CASE-CPRSR STTR REAR	331	1559M40G03	GWNMW955	UKNW	UKNW	0	0
COMBUSTION CASE ASSEMBLY	41X	CFM56-7-724100	41X74523	31063	18616		
SEAL-STATIONARY HPT OUTER	414	1808M58G07	FCPFCVTA	UKNW	UKNW	0	0

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
SEAL-STATIONARY HPT INR STATOR	413	1808M56G01	ALFDL304	UKNW	UKNW	0	0
CASE	411	2002M81G06	GEVEVPR9	UKNW	UKNW	0	0
COMBUSTION CHAMBER MODULE	42X	CFM56-7-724200	42X74523	31063	18616		
LINER-OUTER COMBUSTION CHAMBER	42B	1968M44G06	GGMVT25V	UKNW	UKNW	0	0
COMBUSTION	42B	1968M41G02	GGMVT6A2	UKNW	UKNW	UKNW	UKNW
LINER-INNER COMBUSTION CHAMBER	423	2257M42G01	GGMVT4MP	UKNW	UKNW	0	0
COWL-OUTER	424	9531M61G06	ANC24611	UKNW	UKNW	0	0
COWL-INNER		9531M11G02	BOM58526	UKNW	UKNW	0	0
DOME-COMBUSTION CHAMBER	42C	1561M26G05	GGMVT4RV	UKNW	UKNW	0	0
HPT NOZZLE MODULE	51X	CFM56-7-725100	51X74523	31063	18616		
NOZZLE-HPT STATOR	511	2002M20G07	MDKOL9KL	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOKRG2	31063	18616	0	0
NOZZLE-HPT STATOR	511	2086M14G02	MDKOLC06	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOL46Y	31063	18616	0	0
NOZZLE-HPT STATOR	511	2086M14G02	MDKOL3D2	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLCK8	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLOK9	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLENT	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLC09	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLD8G	31063	18616	0	0
NOZZLE-HPT STATOR	511	2086M14G02	MDKOLAV6	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLD6P	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLD6H	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLAAE	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLDTG	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLDD7	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOKYY7	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLDDO	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLDDD	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOL8FF	31063	18616	0	0
NOZZLE-HPT STATOR	511	2002M20G07	MDKOLC75	31063	18616	0	0
SUPPORT	512	2131M81G06	FCPFCTN2	31063	18616	0	0
SUPPORT	513	1358M35G02	NUM23701	31063	18616	0	0
HPT ROTOR MODULE	52X	CFM56-7-725200	52X74523	31063	18616		
BLADE HPT ROTOR		2100M96P03	FEL7LB74	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB68	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL5LJ33	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MN92	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MN72	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL3MN72	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL9MN27	0	0	0	0

NOMENCLATURE	IIN PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
BLADE HPT ROTOR	2100M96P03	FEL3MN78	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN19	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN23	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN21	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7LB69	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7LB72	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MN85	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL3MN73	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL2MT83	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN29	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MT37	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MF28	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL8MR26	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN24	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL3LG56	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN30	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL5MF70	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL5MF76	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MF62	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL8LW50	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MN28	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL5MF77	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL8LW58	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL5MF78	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL8LW72	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MF52	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MF56	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7MD12	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7MD53	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MT42	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL5MF57	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL3LA88	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL4KW06	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7LB67	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7LB64	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7LB62	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MF55	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL6MF54	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL7MD47	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL9MT51	0	0	0	0
BLADE HPT ROTOR	2100M96P03	FEL8LW69	0	0	0	0

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
BLADE HPT ROTOR		2100M96P03	FEL3LA95	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB71	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2LE22	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB70	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB65	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB63	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL8LW61	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL8LW33	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL8LW76	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF84	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF74	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF75	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF81	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL9MN26	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MN94	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MF61	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MF58	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL8LW47	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL8LW40	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF89	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF82	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF17	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF76	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL2MF20	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MN93	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MN95	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MF59	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL6MF57	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL7LB60	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL3KW52	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL4KW08	0	0	0	0
BLADE HPT ROTOR		2100M96P03	FEL9MN20	0	0	0	0
SHAFT HPT ROTOR FRONT	521	2048M21P03	FCV02472	0	0	0	0
SEAL ROTATINGAIR HPT FRONT	522	2116M20P02	TMT5CP26	0	0	0	0
DISK HPT ROTOR	525	1498M43P07	GWN0MWJN	0	0	0	0
RETAINER BLADE HPT RTR REAR		2002M15P01	NCE1959J	UKNW	UKNW	0	0
SEAL ROTATING HPT REAR	528	1319M17P02	NCE8308H	UKNW	UKNW	0	0
SHAFT-HPT REAR	526	1864M90P04	TMT7U441	0	0	0	0
HPT SHROUD AND STAGE 1 LPT NOZZLE MODULE	53X	CFM56-7-725300	53X74523	31063	18616		
NOZZLE-SEGMENT STG 1		338-108-608-0	BB01370C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB01370D	31063	18616	0	0

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
NOZZLE-SEGMENT STG 1		338-108-608-0	BB01371A	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB01371C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB01378B	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02146A	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02525A	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02526A	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02526C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02539C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02539D	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02540A	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02882B	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02882C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB02883D	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	BB03106C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902052	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902135	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902138	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902279	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902284	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-708-0	BA97450C	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-708-0	BA99260D	31063	18616	0	0
NOZZLE-SEGMENT STG 1		338-108-608-0	DA902086	31063	18616	0	0
SUPPORT	533	2002M69G02	ALFLL498	31063	18616	0	0
FLANGE		338-111-002-0	DA863724-5	UKNW	UKNW	0	0
NO.1 AND NO. 2 BEARING SUPPORT MODULE	22X	CFM56-7-722200	22X74523	31063	18616		
BEARING	226	337-205-501-0	MA010158	UKNW	UKNW	0	0
SUPPORT-BRG2	229	340-034-302-0	MC006761	UKNW	UKNW	0	0
BEARING	223	305-364-002-0	MA030741-U	UKNW	UKNW	0	0
SUPPORT ASSY-NO.1 BRG	228	340-033-005-0	MA015403	UKNW	UKNW	0	0
SLEEVE	222	301-297-812-0	MAO33305	UKNW	UKNW	0	0
SEAL-STA BRG 1	22A	338-063-705-0	MA257779	0	0	0	0
FAN SHAFT ASSY	221	335-006-414-0	DE802296	0	0	0	0
NUT	227	301-298-208-0	MA007675	UKNW	UKNW	0	0
LPT MAJOR MODULE	03X	CFM56-7-720003	03X74523	31063	18616		
LPT ROTOR/ STATOR MODULE	54X	CFM56-7-725400	54X74523	31063	18616		
RING-SUPPORT	54B	336-013-101-0	DA943863	UKNW	UKNW	0	0
RING 1	54B	338-111-502-0	DA853980-5	UKNW	UKNW	0	0
CASE LPT	541	338-117-455-0	DA643698	31063	18616	0	0
RING 4	54B	336-003-102-0	DA992463	31063	18616	0	0
RING 2	549	338-111-603-0	DE800692	0	0	0	0
SEAL-SUPPORT	555	336-026-302-0	BA981124	31063	18616	0	0

NOMENCLATURE	IIN	PARTNUMBER	SERIALNUMBER	TSN	CSN	TSO	CSO
RING 3, ROTATING	54A	338-111-703-0	DE362929	0	0	0	0
DISK-LPT STG 4	545	336-002-105-0	PA447972	0	0	0	0
DISK-LPT STG 3	544	336-002-006-0	PA438774	0	0	0	0
SUPPORT	546	338-077-502-0	DE661132	0	0	0	0
DISK-LPT STG 2	543	336-001-909-0	PA322560	0	0	0	0
DISK-LPT STG 1	542	336-001-804-0	PA408744	0	0	0	0
LPT SHAFT MODULE	55X	CFM56-7-725500	55X74523	31063	18616		
BEARING	557	337-108-401-0	DA823739	31063	18616	0	0
BEARING	556	305-355-720-0	DA856049	UKNW	UKNW	0	0
SHAFT-LPT	551	340-074-723-0	PA438449	0	0	0	0
LPT REAR FRAME MODULE	56X	CFM56-7-725600	56X74523	31063	18616		
FRAME-REAR LPT	561	340-027-113-0	DA704905	31063	18616	31063	18616
IGB AND NO. 3 BEARING MODULE	61X	CFM56-7-726100	61X74523	31063	18616		
GEAR-BEVEL 47 TOOTH	612	9542M67P01	ACHP4798	0	0	0	0
SEAL-ROTATING NO.3 BRG	613	1361M13P01	WIN7745T	31063	18616	0	0
BEARING	619	1364M91P05	FCAB4835	31063	18616	0	0
BEARING	614	1665M98P02	MDANW655	0	0	0	0
NUT	KAC	9972M46G05	FFNAV679	0	0	0	0
GEAR ASSY	615	9972M31G03	ACH79169	31063	18616	0	0
BEARING	618	9972M34P08	MDAGP583	31063	18616	0	0
BEARING	616	9541M89P01	FCAT9973	0	0	0	0
BEARING	617	9972M33P06	MDAGT378	31063	18616	0	0
HOUSING-INLET GEARBOX		1360M70G01	ACH80637	UKNW	UKNW	0	0
TRANSFER GEARBOX MODULE	62X	CFM56-7-726200	62X74523	31063	18616		
OUTER-RADIAL DRIVE SHAFT	628	340-050-101-0	UP00541	31063	18616	31063	18616
BEARING	627	335-304-202-0	UR12168	31063	18616	31063	18616
BEARING	62A	340-051-002-0	UR01428	31063	18616	31063	18616
BEARING	625	335-304-103-0	UR24009	31063	18616	31063	18616
BEARING	626	340-050-901-0	UR00574	31063	18616	31063	18616
HOUSING ASSY	623	335-300-403-0	UN06312	31063	18616	31063	18616

KLM engineering & maintenance
Engine Services

CHANGED LIFE LIMITED PARTS:

PARTS REMOVED					PARTS INSTALLED				
IIN PARTNUMBER	SERIAL NUMBER	TSN	CSN	CTG	IIN PARTNUMBER	SERIAL NUMBER	TSN	CSN	CTG
213 340-000-415-0	DA607288	31063	18616	3984	213 340-000-420-0	PA368558	0	0	30000
211 340-000-814-0	DA739318	31063	18616	4984	211 340-000-816-0	DE458631	0	0	23600
221 335-006-414-0	DA704087	31063	18616	11384	221 335-006-414-0	DE802296	0	0	30000
316 1523M35P01	GFFR8AE6	31063	18616	1384	316 2116M25P01	GFF5FCWW	0	0	20000
315 1588M89G03	GWNYE352	31063	18616	1384	315 2048M20G03	GWN0N0A1	0	0	20000
314 1590M59P01	GWNYE500	31063	18616	1384	314 2116M23P01	XAEK4631	0	0	20000
312 1386M56P03	GWNSC476	31063	18616	1384	312 1386M56P03	GWN0N16D	0	0	20000
313 1558M31G04	GWNJN804	31063	18616	1384	313 1558M31G07	GWN0MN16	0	0	20000
526 1498M45P06	TMTKK382	31063	18616	1384	526 1864M90P04	TMT7U441	0	0	20000
521 1873M73P01	GWNSC385	31063	18616	1384	521 2048M21P03	FCV02472	0	0	20000
522 1795M36P02	GWNSC438	31063	18616	1384	522 2116M20P02	TMT5CP26	0	0	20000
525 1498M43P04	GWNJA162	31063	18616	1384	525 1498M43P07	GWN0MWJN	0	0	20000
545 336-002-105-0	BB118009	31063	18616	6384	545 336-002-105-0	PA447972	0	0	25000
544 336-002-006-0	BA675737	31063	18616	6384	544 336-002-006-0	PA438774	0	0	25000
546 338-077-502-0	BA906781	31063	18616	6384	546 338-077-502-0	DE661132	0	0	25000
543 336-001-909-0	BA970526	31063	18616	6384	543 336-001-909-0	PA322560	0	0	25000
542 336-001-804-0	BB103746	31063	18616	6384	542 336-001-804-0	PA408744	0	0	25000
551 340-074-720-0	LA059598	31063	18616	6384	551 340-074-723-0	PA438449	0	0	25000

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Engine Services

SERIALIZED PARTS:

ACCOMPLISHED SB'S

SB NUMBER.	REV.	SB DESCRIPTION
71-A1462	3	AFT ENGINE MOUNT CENTER LINK ASSEMBLY
72-0400	2	REPLACEMENT OF OUTER RACE BY A NEW OUTER RACE MATERIAL FOR NO.4 ROLLER BEARINGS IN FIELD
72-0450	1	TIGHTENING OF FAN DISK FWD+MID FLANGE
72-0451	1	TIGHTENING OF BOOSTER SPOOL FWD PINS
72-0461	0	HPTR - INTRODUCTION OF NEW HPT DISK
72-0552	0	RE INDENTIFICATION OF LPT CASE IN FIELD
72-0556	0	HPT FINS - EROSION COATING REWORK
72-0574	4	NEW STATIONARY SEAL WITH IMPROVED ADHESIVE
72-0608	1	INSPECTION OF LPT CASE
72-0641	0	INTRODUCTION OF A HPC STAGE 3 DISK
72-0642	0	INTRODUCTION OF HPCR STAGES 1 AND 2 SPOOL
72-0643	2	INTRO IMPROVED HPC / HPT ROTATING PARTS
72-0647	2	COMBUSTOR OUTER LINER REWORK
72-0665	1	INTRO OF NEW METALLIC COMPOSITE VSV BUSHING
72-0694	0	REWORK OF COMBUSTOR INNER LINER
72-0718	0	LPT CASE REWORK TO FINAL FIX CONFIGURATION
72-0758	0	RELEASE OF NEW HPT ROTOR BLADES
73-0090	1	REPLACEMENT OF CLAMPS WITH KEVLAR CUSHION
73-0096	1	IMPLEMENTATION OF FLUOROCARBON PACKINGS
73-0109	1	HMU - NEW SOLENOID AND VALVE
73-0136	1	HMU - IMPROVED TBV EHSV
73-0139	1	ENGINE FUEL AND CONTROL ECU NEW SOFTWARE VERSION 7.B.S.
73-0158	0	MODIFIED METERING VALVE RESOLVER
79-0009	3	INTRO OF NEW PACKING PREFORMED O-RINGS
79-0010	2	REPL. FLUOROSIL. BY FLUOROCARB. O-RINGS
79-0023	1	INTRODUCTION OF A NEW MAIN OIL/FUEL HEATEXCHANGER
79-0024	1	LUBR. UNIT-NEW PACKING PREFORMED O-RINGS
79-0026	0	LSP - INTRO NEW OUTER SEALING SPOOL
73-0109	1	HMU - NEW SOLENOID AND VALVE

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NON-SERIALIZED PARTS:

ACCOMPLISHED SB'S

SB NUMBER.	REV.	SB DESCRIPTION
72-0106	4	INTRODUCTION OF RECONFIGURABLE HYBRID TECHNOLOGY IDENTIFICATION CONNECTORS
72-0198	0	INTRODUCTION OF A LPT STAGE 2 SEAL SEGMENT WITH A NEW LOCK
72-0241	1	NEW LPT NOZZLE SEGMENTS STG 2 & STG 3
72-0300	4	INTRODUCTION OF A NEW BOOSTER SPOOL WITH THE INCREASED THICKNESS FORWARD FLANGE
72-0339	0	REPLACEMENT OF THE CURRENT OIL SUPPLY TUBE BY A REMOVEABLE TUBE
72-0350	1	INTRODUCTION OF FIELD REWORK FOR AIR HPT STATOR MANIFOLD
72-0417	0	SPARE PARTS RELEASE FOR CFM56-7B
72-0454	2	IMPROVEMENT OF THE FAN AND BOOSTER VANE ASSY TO PREVENT CORROSION IN FIELD ONLY
72-0581	2	STG2,3 IMPR.INNER BUSH,VANES,SEALS,SHRDS
72-0586	1	INTRODUCTION OF NEW FAN BLADE PLATFORM WITH A NEW ELASTOMER SEAL
72-0673	1	INTRODUCTION ANTI-ROTATION STRAIGHT PIN
75-0036	0	REWORK TCC VALVES TO REDUCE FUEL LEAKAGE

KLM Engine Services

Customer: AIRES

EngineType: CFM56-7B

Engine Serial nr: [redacted]

Projectnr: 7B/0104683

LIST OF ACCESSORIES

Nomenclature	Part number	Serial number	Workscope performed					Requested Workscope	Remarks / Reason for Replacement
			INSPECT.	REPAIR.	OVERHAUL.	MODIFY.	REJECT.		
ACTUATOR VBV	7074-300	YU020901						FIT AS RECEIVED	
ACTUATOR VBV	7074-300	YU020872						FIT AS RECEIVED	
ACTUATOR VSV	1211313-010	APMME600			X			CLEAN/INSPECT/BENCH CHECK	
ACTUATOR VSV	1211313-010	APMME604			X			CLEAN/INSPECT/BENCH CHECK	
COOLER IDG AIR/OIL	UA538551-3	6615R	X					CLEAN/INSPECT/BENCH CHECK	
COOLER IDG FUEL/OIL	340-403-102-0	YB910465-2						FIT AS RECEIVED	
ELECTRONIC CONTROL UNIT	2042M67P02	LMDR4681	X					OVERHAUL	C/W: SB 73-0139R1
EXCITER, IGNITION UNIT	10-631045-2	UNNEM750		X				CLEAN/INSPECT/BENCH CHECK	
EXCITER, IGNITION UNIT	9238M66P08	UNNEM817		X				CLEAN/INSPECT/BENCH CHECK	
EXHAUST NOZZLE								NOT INSTALLED AT ESN ARRIVAL	
EXHAUST PLUG								NOT INSTALLED AT ESN ARRIVAL	
FILTER OIL SCAVENGE	41F9002	YT020001-0						FIT AS RECEIVED	
FILTER-CASE DRAIN	7579078	11899						FIT AS RECEIVED	
FILTER-FUEL NOZZLE	FA00631C	YP930472-5			X			OVERHAUL	
FIRE DETECTOR CORE LEFT HAND	902862	NOT VISIBLE						FIT AS RECEIVED	
FIRE DETECTOR CORE RIGHT HAND	902018-01	9001						FIT AS RECEIVED	
FIRE DETECTOR FAN LOWER	902016-01	1609						FIT AS RECEIVED	
FIRE DETECTOR FAN UPPER	902864	1302						FIT AS RECEIVED	
FUEL NOZZLE	1317M47G01	PCY1383D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1382D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1381D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1379D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1380D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1392D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1394D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1391D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1393D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1384D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1386D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1385D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1390D						OVERHAUL	VENDOR EXCHANGE

KLM Engine Services

Customer: AIRES | EngineType: CFM56-7B

Engine Serial nr: [redacted] | Projectnr: 7B/0104683

LIST OF ACCESSORIES

Nomenclature	Part number	Serial number	Workscope performed					Requested Workscope	Remarks / Reason for Replacement
			INSPECT.	REPAIR.	OVERHAUL.	MODIFY.	REJECT.		
FUEL NOZZLE	1317M47G01	PCY1388D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1387D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G01	PCY1389D						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G16	PHCFN612						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G16	PHCFN615						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G16	PHCFN613						OVERHAUL	VENDOR EXCHANGE
FUEL NOZZLE	1317M47G16	PHCFN614						OVERHAUL	VENDOR EXCHANGE
HARNESS - MW0301	325-035-501-0	YH295302-T		X				CLEAN/INSPECT/BENCH CHECK	
HARNESS - MW0302	325-026-901-0	YH300059-0	X					CLEAN/INSPECT/BENCH CHECK	
HARNESS - MW0303	325-015-001-0	YH305550-3						FIT AS RECEIVED	
HARNESS - MW0304	325-035-201-0	YH310583-W						FIT AS RECEIVED	
HARNESS - MW0311 FAN	325-029-902-0	YH315509-9		X				CLEAN/INSPECT/BENCH CHECK	
HARNESS - MW0312	325-026-701-0	YH320555-C						FIT AS RECEIVED	
HARNESS - MW0313	325-026-801-0	YH326022-J						FIT AS RECEIVED	
HARNESS - MW0315 FAN FIRE	325-027-302-0	YH335432-W						FIT AS RECEIVED	
HARNESS - MW0316 FAN FIRE	325-027-403-0	YH340427-T		X				CLEAN/INSPECT/BENCH CHECK	
HARNESS - MW0325 CORE FIRE	325-027-503-0	YH340540-D						YH340540-D	
HARNESS - MW0326 CORE FIRE	325-027-604-0	YH350330-2						FIT AS RECEIVED	
HARNESS-CJ10	325-025-401-0	YH250299-M						FIT AS RECEIVED	
HARNESS-CJ9	325-027-701-0	YH246891-M						FIT AS RECEIVED	
HARNESS-J10	325-034-802-0	YH240591-V						FIT AS RECEIVED	
HARNESS-J5	325-034-902-0	YH215316-E						FIT AS RECEIVED	
HARNESS-J6	325-035-002-0	YH220316-R						FIT AS RECEIVED	
HARNESS-J7	325-025-702-0	YH225439-8						FIT AS RECEIVED	
HARNESS-J8	325-025-803-0	YH230494-U						FIT AS RECEIVED	
HARNESS-J9	325-025-202-0	YH235419-8		X				CLEAN/INSPECT/BENCH CHECK	
HEATER SERVO FUEL	45731-1381	YB000518-6	X					CLEAN/INSPECT/BENCH CHECK	
HEATEXCHANGER OIL/FUEL	11-841193-4	YP027084-P			X			CLEAN/INSPECT/BENCH CHECK	C/W: SB 79-0010R2,79-0023R1
HYDRO MECHANICAL UNIT	1853M56P11	BECW1002			X			OVERHAUL	C/W: SB 73-0096R1,73-0109R1,73-0136R1
I.D.G.								NOT INSTALLED AT ESN ARRIVAL	
IDENT. PLUG (CONNECTOR)	390-660-301-0	YJ378983-M					X	CLEAN/INSPECT/BENCH CHECK	FAULT MESSAGE

KLM Engine Services

Customer: AIRES

EngineType: CFM56-7B

Engine Serial nr [redacted]

Projectnr: 7B/0104683

LIST OF ACCESSORIES

Nomenclature	Part number	Serial number	Workscope performed					Requested Workscope	Remarks / Reason for Replacement
			INSPECT.	REPAIR.	OVERHAUL.	MODIFY.	REJECT.		
IGNITION LEAD	9059110-1	UNNA6908			X			CLEAN/INSPECT/BENCH CHECK	
IGNITION LEAD	9059110-1	UNNA6912			X			CLEAN/INSPECT/BENCH CHECK	
MOUNT AFT ASSEMBLY	310A2030-6	444			X			OVERHAUL	C/W: BOEI-737-71A1462R3
MOUNT FWD ASSY	310A2020-5	NONE			X			OVERHAUL	
MOUNT-THRUST LEFT HAND	340-060-001-0	NONE					X	CLEAN/INSPECT/BENCH CHECK	
MOUNT-THRUST RIGHT HAND	340-032-901-0	NONE					X	CLEAN/INSPECT/BENCH CHECK	
PROBE PT25	RP236-00	VYC065536						FIT AS RECEIVED	
PROBE T12	RP235-00	FF2531						FIT AS RECEIVED	
PROBE T49.5	TC296-02	YC077104-3						FIT AS RECEIVED	
PROBE T49.5	TC296-02	YC077051-K						FIT AS RECEIVED	
PROBE T49.5	TC296-02	YC077052-J						FIT AS RECEIVED	
PROBE T49.5	TC296-02	YC077050-L						FIT AS RECEIVED	
PUMP FUEL	340-402-105-0	YA011497-J			X			OVERHAUL	
PUMP HYDRAULIC								NOT INSTALLED AT ESN ARRIVAL	
PUMP OIL LUBRICATION UNIT	340-400-004-0	YT005467-J			X			CLEAN/INSPECT/BENCH CHECK	C/W: SB 79-0009R3,79-0024,79-0026
QAD ADAPTER IDG	762246	427						FIT AS RECEIVED	
ROTOR ALTERNATOR	85465-2	HTLR5602						FIT AS RECEIVED	
SENSOR N1 SPEED	320-862-401-0	VJ185490-N						FIT AS RECEIVED	
SENSOR N2 SPEED CFM56-7B	320-549-003-0	YJ191348						FIT AS RECEIVED	
SENSOR OIL LEVEL	340-402-801-0	YE010518-2						FIT AS RECEIVED	
SENSOR OIL PRESSURE	340-402-902-0	YK010527-C						FIT AS RECEIVED	
SENSOR OIL TEMPERATURE (PROBE)	340-403-201-0	YC095868-3						FIT AS RECEIVED	
SENSOR T3 COMPRESSOR TEMP DISCH	8TC19AAN1	GDBE393A						FIT AS RECEIVED	
SENSOR THERMOCOUPLE HPT CC	8TC19AAH1	GDBE895A						FIT AS RECEIVED	
SENSOR VIBRATION BEARING1	144-186-000-011	NOT VISIBLE						FIT AS RECEIVED	
SENSOR VIBRATION FFCCV	340-401-501-0	NOT VISIBLE						FIT AS RECEIVED	
STARTER AIR TURBINE	3505945-9	GRTA2845C						FIT AS RECEIVED	
STARTER VALVE	3289630-2	3643						CLEAN/INSPECT/BENCH CHECK	STILL IN PROCESS
STATOR ALTERNATOR	87006-9	HTL10997					X	CLEAN/INSPECT/BENCH CHECK	
SWITCH FUEL FILTER DIFF PRESSURE	340-402-706-0	YY095232-6						FIT AS RECEIVED	
SWITCH INLET COWL TAI PRESSURE	21SN41-52	B061092A						FIT AS RECEIVED	

KLM Engine Services

Customer: AIRES

EngineType: CFM56-7B

Engine Serial nr [redacted]

Projectnr: 7B/0104683

LIST OF ACCESSORIES

Nomenclature	Part number	Serial number	Workscope performed					Requested Workscope	Remarks / Reason for Replacement
			INSPECT.	REPAIR.	OVERHAUL.	MODIFY.	REJECT.		
TANK OIL	340-403-802-0	YT010454-P	X					CLEAN/INSPECT/BENCH CHECK	
THRUST LINK ASSEMBLY LH	310A2041-9	NONE			X			CLEAN/INSPECT/BENCH CHECK	
THRUST LINK ASSEMBLY RH	310A2041-10	NONE			X			CLEAN/INSPECT/BENCH CHECK	
TRANSMITTER FUEL FLOW	8TJ167GHH1	GDB9203L	X					CLEAN/INSPECT/BENCH CHECK	
TRANSMITTER-OIL FILTER CLOGGING	QA07656ISS1	3098						FIT AS RECEIVED	
VALVE - REG. BLEED AIR								NOT INSTALLED AT ESN ARRIVAL	
VALVE - REG. HIGH STAGE								NOT INSTALLED AT ESN ARRIVAL	
VALVE AIR TRANSIENT BLEED	1821M60P02	GRTG2752						CLEAN/INSPECT/BENCH CHECK	STILL IN PROCESS
VALVE BLEED / CHECK								NOT INSTALLED AT ESN ARRIVAL	
VALVE BURNER STAGING	1527M33P10	GRTG2607						FIT AS RECEIVED	
VALVE H.P.T. CLEARANCE CONTROL	1821M59P06	GRTG0313C		X				CLEAN/INSPECT/BENCH CHECK	C/W: SB 75-1074,75-0036 , EXCHANGED DUE TO DELAY
VALVE HIGH STAGE								NOT INSTALLED AT ESN ARRIVAL	
VALVE L.P.T. CLEARANCE CONTROL	340-402-003-0	YR010480-C			X			CLEAN/INSPECT/BENCH CHECK	
VALVE OIL -ANTI LEAK	41F3003	YT15462-N						FIT AS RECEIVED	
VALVE PRECOOLER CONTROL								NOT INSTALLED AT ESN ARRIVAL	
VALVE REGUL.SHUTOFF								NOT INSTALLED AT ESN ARRIVAL	
VALVE TAI - TEMP.								NOT INSTALLED AT ESN ARRIVAL	
VALVE TAI - TEMP.SOL.								NOT INSTALLED AT ESN ARRIVAL	

KLM Engine Services

Customer: AIRES

Engine Type: CFM56-7B

Engine Serial nr [redacted]

Projectnr: 7B/0104683

OVERVIEW OF NEW INSTALLED ACCESSORIES

Nomenclature	Part number	Serial number	TSN	CSN	TSO	CSO	Workscope performed / Remarks
STARTER VALVE	3289630-2	1359	UNK	UNK	0	0	OVERHAULED
STATOR ALTERNATOR	87006-9	S21909	0	0	0	0	NEW
MOUNT-THRUST RIGHT HAND	340-032-901-0	DL358392	0	0	0	0	NEW
VALVE H.P.T. CLEARANCE CONTROL	3291186-6	GRTU6002	UNK	UNK	0	0	OVERHAULED & C/W: SB 75-0036
MOUNT-THRUST LEFT HAND	340-060-001-0	DL358375-B	0	0	0	0	NEW
VALVE AIR TRANSIENT BLEED	3291390-1	GRTT7415	0	0	0	0	NEW,INSPECTED
IDENT. PLUG (CONNECTOR)	390-660-301-0	YJ390775	0	0	0	0	NEW
FUEL NOZZLE	6840023E18	PSDFG859	0	0	0	0	NEW
FUEL NOZZLE	1317M47G18	PCY1518M	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY6827M	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY3500D	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY6355H	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY9595H	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PHC98J62	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PHC07H45	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY411D5	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY2690T	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY4369P	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	CSDAA927	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY4050R	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY3506D	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1

KLM Engine Services

Customer: AIRES

EngineType: CFM56-7B

Engine Serial nr [redacted]

Projectnr: 7B/0104683

OVERVIEW OF NEW INSTALLED ACCESSORIES

FUEL NOZZLE	1317M47G18	PCY5202R	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G18	PCY5190R	UNK	UNK	0	0	OVERHAULED & C/W: PARKER SB 73-005R1,73-007R1 & CFM SB 73-0147R1,73-0198R1,73-0220R1,73-0168R1,73-0132R1
FUEL NOZZLE	1317M47G16	PHCJP694	UNK	UNK	0	0	OVERHAULED & C/W: CE-0003,CE-0023,CE-0024,CE-0046, CE-0050,CE-0051
FUEL NOZZLE	1317M47G16	PHCMM788	UNK	UNK	0	0	OVERHAULED & C/W: CE-0003,CE-0023,CE-0024,CE-0046, CE-0050,CE-0051
FUEL NOZZLE	1317M47G16	PSDAKB83	UNK	UNK	0	0	OVERHAULED & C/W: CE-0003,CE-0023,CE-0024,CE-0046, CE-0050,CE-0051
FUEL NOZZLE	1317M47G16	PSDAKB89	UNK	UNK	0	0	OVERHAULED & C/W: CE-0003,CE-0023,CE-0024,CE-0046, CE-0050,CE-0051

KLM engineering & maintenance

CFM56-7 Assembly Manual – Performance Summary Report

PERFORMANCE SUMMARY CFM56-7B24, 7B24/2, 7B24/3

Engine no. : [redacted]	Project no. : **7B/0104683**	Testrun date : **6 okt 2010**

Standard Day performance with zero modifier

Pwr. setting	N1 speed %	N2 speed %	EGT °C	FF kg/hr	SFC Marg. %	Fn lbs	Fn Marg. %
M.C.	92.17	97.34	752	3811		23112	1.37
T.O.	94.30	98.37	779	4113	-2.0	24640	1.82

Hot Day performance with zero modifier

Pwr. setting	N1 speed %	N2 speed %	EGT °C
M.C.	93.68		786
T.O.	96.54	100.40	832

Performance including N1 modifier effect

Pwr. setting	[1]N1 speed %	[2]N2 speed %	[2]N2 Marg. %	[2]EGT °C	[2]EGT Marg. °C	[1]Fn lbs	[1]Fn Marg. %
T.O.	94.20	100.37	1.99	831	88	24581	1.57

[1]: Standard Day performance
[2]: Hot Day Performance

Mechanical performance

Acceleration time	3.8 sec.	Oil consumption	0.21 ltr/hr
Time to min. idle	44.9 sec.	Fire warning system	TESTED
Corrected oil press. at T.O.	56.4 psi.	I.D.G.	NOT INSTALLED
Fuel-and oil system preserved for up to 365 days per E.M. 72-00-00 storage.	Yes	Ident plug partnr.	390-660-301-0
		N1 trim level	1
Oil system filled with oil type 2	MOBIL JET2	EEC Software partnr.	2044M25P08

Vibration survey

Power setting	N1 speed %	Fan vibration mils	N2 speed %	Core vibration ips
Min. idle	19.5	0.1	58.8	0.1
Ap. idle	30.0	0.1	74.3	0.1
M.C.	92.4	0.0	97.6	0.7
T.O.	94.7	0.1	98.7	0.8
Trim balance performed: Yes		See trimbalance sheet filed at Engine Testcell.		

Final statement

I certify that the engine test is performed according the testing manual procedures and meets all applicable criteria. Ref. Engine testing 72-00-00 Chapters 000 to 005/009	sign test cell operator	stamp test cell operator: MJJ de Mol 30922 D-EM
	Sign checked by	Stamp checked by: R.J.M Collignon 39856 D-EM

KLM engineering & maintenance

CFM56-7B Engine Assembly Manual – Bill of Work – Shopvisit

Maintenance Overview

GE

ENG. TSN	:	31063	Hrs	**ENG. TSLSV**	:	31063	Hrs	**ESN**	[redacted]
ENG. CSN	:	18616	Cyl	**ENG. CSLSV**	:	18616	Cyl	**MODEL**	: CFM56-7B24
ENG. REM. DATE	:	27 JUN 2010						**PROJECT NO**	: 7B/0104683
ENG. REM. REASON	:	Loss of oil quantity						**CUSTOMER/CODE**	: 25069

Overview maintenance levels underlying modules and assemblies

Nomenclature	IIN	Serial no.	*Admin.	Serviceable removed	Minimum	Minimum & Performance	Performance	Performance & Full Overhaul	Full Overhaul
Engine Assembly					√				
Fan Major Module	**01X**	74523			√				
Fan Frame Module	23X	74523							
Core Engine Major Module	**02X**	74523			√				
HPC Rotor Assembly	31X	74523							√
Compressor Front Stator Assembly	32X	74523							√
Compressor Rear Stator Assembly	33X	74523							√
Combustion Case Assembly	41X	74523							√
Combustion Chamber Module	42X	74523							√
HP Turbine Nozzle Module	51X	74523							√
HP Turbine Rotor Module	52X	74523							√
HPT Shroud & Stg.1 LPT Nozzle Module	53X	74523							√
Low Pressure Turbine Major Module	**03X**	74523			√				
LPT Rotor/Stator Module	54X	74523						√	
LPT Shaft Module	55X	74523							√
LPT Rear Frame Module	56X	74523						√	
Fan & Booster Module	**21X**	74523							√
No.1 & No.2 Bearing Support Module	**22X**	74523							√
Inlet Gearbox & No.3 Bearing Module	**61X**	74523							√
Transfer Gearbox Module	**62X**	74523			√				
Accessory Gearbox Module	**63X**	74523							√

*Administrative justification of handling modules/assemblies on Engine level.

	Date (dd-mmm-yyyy)	Auth. staff (Stamp)
Workscope agreed by Mechanic (Cat. D)	02-Aug-2010	A Oosting 33960 D-EM
Bill of Work issued by Powerplant Engineering (E21)	02-Aug-2010	E21 Bisschop 93934

Engine no. : [redacted]	Project no. : 7B/0104683	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.1	BORESCOPE INSPECTION.	
NOTE:	There are two methods to perform the CFM56-7B after testcell BSI. Standard and full. Standard: HPC blades stage 2, 4, 6 and 8, combustion chamber, HPT nozzles, HPT blades and LPT blades. Full: standard, plus additional LPC and HPC blades stage 1, 3, 5, 7, and 9. The full BSI is only to be performed if specifically requested on the BOW. If not, perform standard BSI.	
1.1.1	Inspect LPC blade airfoils. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-21-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module and stages.	~~APP~~ / NAP * (See NOTE)

Findings/ Remarks,	Actions:
Stage 2 L/E.	
NOT APPLICABLE	NOT APPLICABLE
Stage 3 T/E, S0.	
NOT APPLICABLE	NOT APPLICABLE
Stage 4 L/E, S0.	
NOT APPLICABLE	NOT APPLICABLE

J. Tichelaar mechanic 47246 D-EM

1.1.2 Inspect stage 2, 4, 6 and 8 HPC blade airfoils.
(Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-31-00).
Record BSI on DVD. Record also: ESN, Workorder Number and identification of module and stages.

Findings/ Remarks,	Actions:
Stage 2, S2-S3.	
NONE	NONE
Stage 4, S4-S5.	
NONE	NONE
Stage 6, S6-S7.	
NONE	NONE
Stage 8, S8-S9.	
NONE	NONE

J. Tichelaar mechanic 47246 D-EM

* : Cross out what is not applicable

Engine no. : [redacted]	Project no. : **7B/0104683**	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.1	BORESCOPE INSPECTION (cont'd).	
1.1.3	Inspect stage 1, 3, 5, 7 and 9 HPC blade airfoils. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-31-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module and stages.	~~APP~~ / NAP * (See NOTE)

Findings/ Remarks,	Actions:
Stage 1, S1-S2.	
NOT APPLICABLE	NOT APPLICABLE
Stage 3, S3-S4.	
NOT APPLICABLE	NOT APPLICABLE
Stage 5, S5-S6.	
NOT APPLICABLE	NOT APPLICABLE
Stage 7, S7-S8.	
NOT APPLICABLE	NOT APPLICABLE
Stage 9, S9.	
NOT APPLICABLE	NOT APPLICABLE

Stamp mechanic
J. Tichelaar
47246 D-EM

1.1.4	Inspect combustor chamber. BSI ports S10 through S15. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-42-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module.	

Findings/ Remarks,	Actions:
NONE	NONE

Stamp mechanic
J. Tichelaar
47246 D-EM

1.1.5	Inspect HPT nozzle guide vanes. BSI ports S10 through S15. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-51-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module.	

Findings/ Remarks	Actions:
NONE	NONE

Stamp mechanic
J. Tichelaar
47246 D-EM

* : Cross out what is not applicable

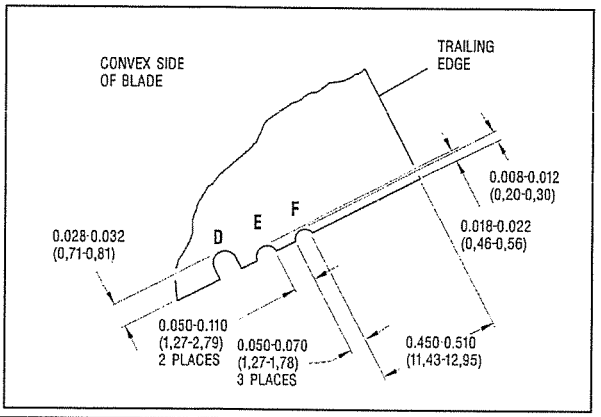
Engine no. : [redacted]	Project no. : 7B/0104683	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.1	BORESCOPE INSPECTION, continued.	
1.1.6	Inspect HPT blades. BSI ports S10, S11, S16 and S17. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-52-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module.	

Findings/ Remarks,	Actions:
NONE	NONE

J. Tichelaar 47246 D-EM Stamp mechanic

1.1.7	Inspect the HPT blades for tip notches still being visible on 4 blades. BSI ports S10, S11, S16 and S17. Record BSI on DVD. Record also: ESN, Workorder Number and identification of module.



Findings; indicate whether a specified notch is still visible.

Blade 1 notch D	Blade 2 notch D	Blade 3 notch D	Blade 4 notch D
YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~
Blade 1 notch E	Blade 2 notch E	Blade 3 notch E	Blade 4 notch E
YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~
Blade 1 notch F	Blade 2 notch F	Blade 3 notch F	Blade 4 notch F
YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~	YES / ~~NO*~~

Actions

NONE

J. Tichelaar 47246 D-EM Stamp mechanic

* : Cross out what is not applicable

Engine no. : [redacted]	Project no. : 7B/0104683	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.1	BORESCOPE INSPECTION, continued.	
1.1.8	Inspect LPT stage 1, 2, 3 and 4 blades. BSI ports S16-S20. (Ref. CFM 56 NDT Manual CFMI-TP-NT.11 Part 7; Chapter 72-00-00 / 72-54-00). Record BSI on DVD. Record also: ESN, Workorder Number and identification of module and stages.	

Findings/ Remarks,

Stage 1	Stage 2	Stage 3	Stage 4
none	none	none	none

Actions

none

Stamp mechanic
S. Dommez
04092

1.2	GENERAL VISUAL INSPECTION
1.2.1	GVI - FAN MODULE.
1.2.1.1	Internal, including fan frame.
1.2.1.2	Liners, fillets and fairings.
1.2.1.3	External including brackets, clamps, tubes, safety wire.
1.2.1.4	Spinner cone and fan blades.
1.2.1.5	EEC / PMUX system.

Findings/ Remarks	Actions:
none	none

Stamp mechanic
J. Tichelaar
47246 D-EM

1.2.2	GVI - ACCESSORY GEARBOX MODULE.
1.2.2.1	External, including brackets, clamps, tubes, safety wire.
1.2.2.2	Accessories.

Findings/ Remarks	Actions:
None	None

Stamp mechanic
P. Meijer
47742

*: Cross out what is not applicable

Engine no. : [redacted]	Project no. : 7B/0104683	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.2	GENERAL VISUAL INSPECTION	
1.2.3	HYDRAULIC PUMPS (only applicable if installed)	NAP ~~/ APP*~~
1.2.3.1	Install hydraulic pumps on engine.	
1.2.3.2	Torque the nuts, unions and tubes with the correct torque value according P.P.B.M..	
1.2.3.3	Attach warning label (KLM 5215-01.95) to hydraulic pump fittings.	

Findings/ Remarks	Actions:
NOT APPLICABLE	NOT APPLICABLE

Stamp mechanic J. Tichelaar 47246 D-EM

1.2.4	GVI - CORE ENGINE MODULE.
1.2.4.1	External, including brackets clamps tubes safety wire.
1.2.4.2	Casings and VSV system.
1.2.4.3	Fuel system.
1.2.4.4	Inspect the Variable Stator Vanes of the HPC Forward Casing for radial and axial play.
1.2.4.5	Inspect the lever arms of the IGV's and stages 1, 2 and 3 for cracking, tears and bends. If you cannot use the existing gage inspect lever arms visually for bending ATTENTION: Report any deviation to Engineering.

Findings/ Remarks,

Stage 1	Stage 2	Stage 3	Stage 4
No findings	No findings	No findings	No findings

Findings/ Remarks	Actions:
No findings	none

Stamp mechanic [illegible] 53560 D-EM

1.2.5	GVI - COMPRESSOR REAR FRAME.
1.2.5.1	External, including brackets, clamps, tubes, safety wire.
1.2.5.2	Fuel nozzles.

Findings/ Remarks	Actions:
None	None

Stamp mechanic P. Meijer 47748

* : Cross out what is not applicable

Engine no. : [redacted]	Project no. : 7B/0104683	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.2	GENERAL VISUAL INSPECTION (cont'd)	
1.2.6	GVI - LOW PRESSURE TURBINE.	
1.2.6.1	External, including brackets, clamps, tubes, safety wire.	
1.2.6.2	Turbine rear frame.	
1.2.6.3	LPT cooling manifold.	

Findings/ Remarks	Actions:
NONE	NONE

Stamp mechanic
P. Meijer
47742

Insp. no.	Item
1.2.7	GVI - ENGINE ASSEMBLY.
1.2.7.1	External, including brackets, clamps, tubes, safety wire.
1.2.7.2	Fire wire system, oil system, fuel system, pneumatic system.
1.2.7.3 a.	Check for correct placards referring to engine oil type: For Pool Engines:- Check if placards for BP Turbo Oil 2197 are in place. Placards are installed at Testcell per supplement page instructions see EM 72-00-00 Testing 000.
b.	For Non-Pool Engines: No requirements for placards, oil type used per Customer Demands or BOW instructions.

Findings/ Remarks	Actions:
I.D. plug missing	I.D plug will be profided by customer.

Stamp mechanic
A.Costing
33980 D-EM

1.2.8	GVI - ELECTRICAL SYSTEM.

Findings/ Remarks	Actions:
NONE	NONE

Stamp mechanic
A.Costing
33980 D-EM

1.2.9	GVI - SEALED PARTS

Findings/ Remarks	Actions:
NONE	NONE

Stamp mechanic
P. Meijer
47742

* : Cross out what is not applicable

Engine no. : [redacted]	Project no. : **7B/0104683**	Issue date: 28-Jul-2010

Insp. no.	Item	Mechanic:
1.3	OPEN TESTCELL ITEMS	
	Check the "Overgave Journal" **KLM2275** for open test cell items and correct items stated.	Stamp mechanic J. Tichelaar 47246 D-EM
1.4	FINAL INSPECTION.	
1.4.1	Check the following documents are present and have been completed:	
		Present
a	**Serviceable label.**	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
b	**Engine test performance summary & testcell trim balance weight sheet(s)** (KLM Map 1056-7, Chapter 7-2.X)	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
c	**FADEC memory verification sheet.**	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
d	**Engine Ident/Rating plug verification form.**	YES ~~Yes / No*~~ — Stamp mechanic A Oosting 33960 D-EM
e	**No.4 Bearing Test Sheet.**	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
f	**LRU completeness check – Incl. List of Missing Parts.** (KLM Map 1256-7, Chapter 1).	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
g	**Carry Forward Sheet.** KLM Form 10671	Yes / ~~No*~~ — Stamp mechanic A Oosting 33960 D-EM
h	**Post Testcell Robbery Sheet.** KLM Form 10645	Yes / ~~No*~~ — Stamp mechanic A Oosting D-EM
1.5	POST SHOPVISIT SEALING.	
	Seal Engine and place desiccant dry bags according procedure.	Stamp mechanic A Oosting 33960 D-EM

Verified all work carried out and stamped off.
Engine has been provided with damage protective blanks and covers and is fit for subsequent processing.

date: dd / Mmm / yyyy	stamp & sign mechanic	stamp & sign auth. Cat.D. Techn.
08-OCT-2010	D. Cohen 77181 Denis Cohen	A Oosting 33960 D-EM

* : Cross out what is not applicable

BladePlot(3.1.0) - Results

Engine : CFM56-7
Stage : fanblades
Serial #: [redacted]

Operator: E.Coenraad
Location: KLM E&M
Date : 9/25/2010 7:01:53 PM

Pos. Num.	Blade Num.	Serial #	Weight (g-cm)	Pos. Num.	Blade Num.	Serial #	Weight (g-cm)
1	23	DC000827	212132	13	24	DA817243	213302
2	9	BA827913	204022	14	3	BB361415	203492
3	6	DC000418	212162	15	22	DC001523	211232
4	10	BB177619	207832	16	11	DB620151	208162
5	1	DA814312	211362	17	7	DB863556	211322
6	21	BB172042	207812	18	8	DB623029	208602
7	19	DA814472	211362	19	17	DB621619	210882
8	15	DB382667	208792	20	2	DB498564	208862
9	5	DC002069	210842	21	20	DA815048	210722
10	16	DB623217	208712	22	14	DB620975	208992
11	13	DB381120	210432	23	4	DC000496	210182
12	18	DB623051	209932	24	12	DB623229	210272

Plot To Zero Unbalance

Final Unbalance : 5 g-cm at 60° (Light Angle)

Stamp

E Coenraad
84201 D-EM

KLM engineering & maintenance

BLADE PLOT RESULTS

CFM56-7

874523-2010_10_06-13

[redacted]

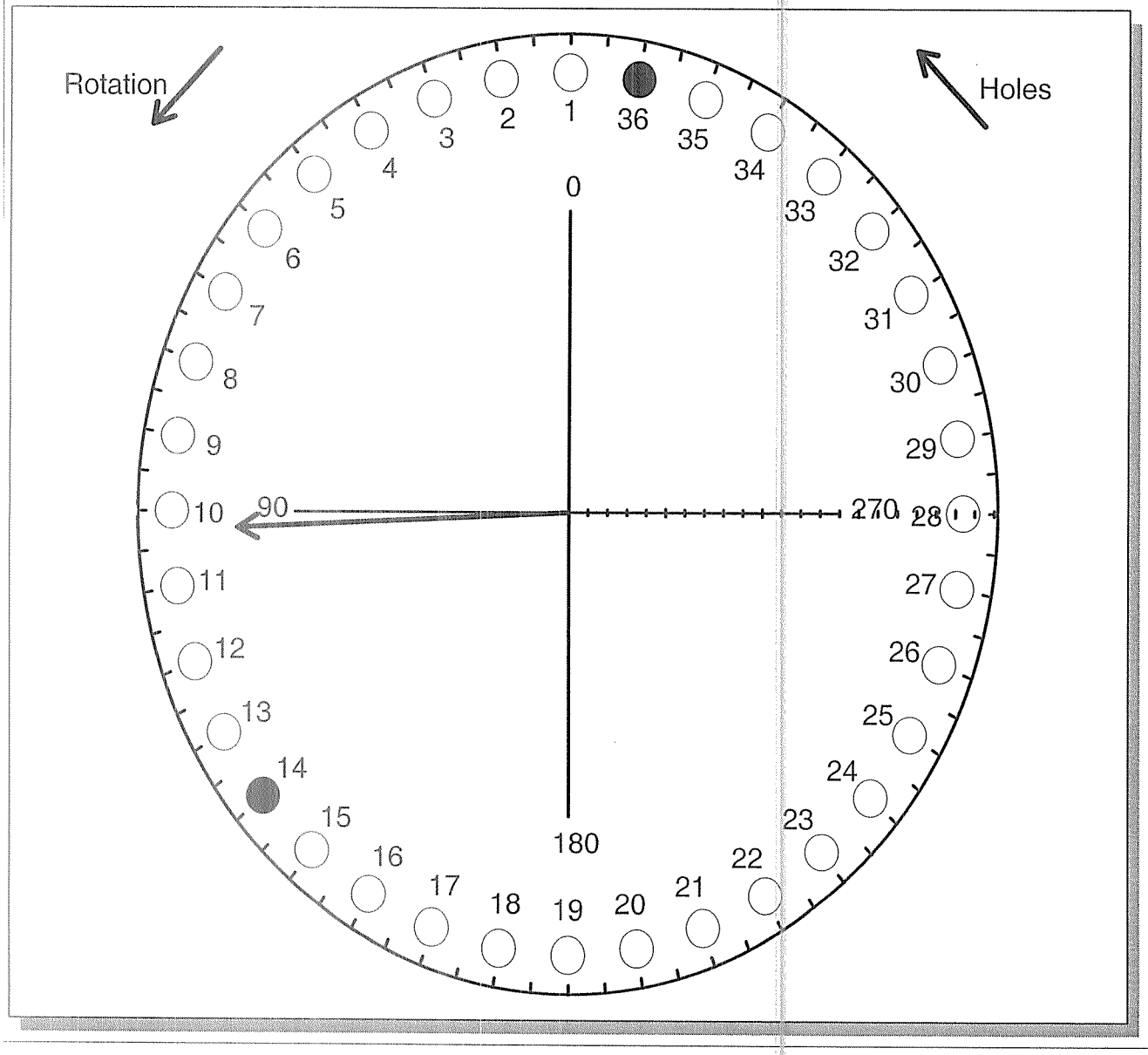
10/06/2010

21:06:42

FORWARD LOOKING AFT

Fan

9.688 Gm-Cm @ 92.6



Balance Speeds (RPM)

3000	4400	4600
5000	4800	4000
3500	2500	

Balance Weights To Install

Weight Class	Hole No.	Weight Label
5	14	9111M35P05/12
3	36	9111M35P03/10