LOCKHEED MARTIN
Commercial Engine Solutions

575531 SMALL PACKAGE INDEX

Chapter 1

Transport Canada Form
(Form One)

1. Approving Civil Aviation Authority/Country: Autorité de l'aviation civile/Pays qui approuve le bon de sortie	2. **Authorized Release Certificate - Bon De Sortie Autorisée** Form One	3. Form Tracking Number. - Numéro de suivi du formulaire
Transport Canada		**126376**

4. Organization Name and Address. Nom et adresse de l'organisme	5. Work Order/Contract/Invoice Bon de travail/contrat/facture
Lockheed Martin **Commercial Engine Solutions** **7171 COTE-VERTU WEST** **ST-LAURENT, QC H4S 1Z3** **CANADA** **PH: (514) 340-8400**	**WEN101120**

6. Item Article:	7. Description:	8. Part No - Numéro de pièce	9. Qty: - Qtée:	10. Serial/Batch No. - No de série/de lot	11. Status/Work - Situation/travail
1	CFM56 TURBOFAN ENGINE	CFM56-5B4/P	1	575531	REPAIRED

12. REMARKS - REMARQUES:

Customer: WWTAI AIROPCO 1 BERMUDA LTD TSN: 49678,5 HRS. CSN: 26845 CYC Customer RO: MF-2024-Q2
Work performed: Engine inspected, repaired and tested serviceable in accordance with Customer instructions, using Lockheed Martin commercial engine solutions workscope CFM56-5B WPG, WOS shop work package as amended this event, LMCES shop procedures, Engine Shop Manual CFMI-SM.9 Rev 80 dated March 15/2024 & AMM - A318,A319,A320,A321 - LEASE - Rev 16 dated May 01/2024
Note: This engine was shop tested per CFM56-5B ESM test procedure 72-00-00 testing 001,002,003 & 009
N1 TRIM: -5B3/P Modifier level 4 ; -5B4/P Modifier level 3 & -5B5/P Modifier level 5 per test result.
For deviations consult deviation summary sheet applicable for this event.
Additional Open Items listed on attached KAC-1996A. (02 open items).
Engine fuel and oil systems preserved for 30 to 365 days per ESM 72-00-00-12 storage on 2024-08-15, preservation expiry date: 2025-08-15
For L.L.P.'s, A.D.'s & S/B's status, submitted to customer for approval this shop visit, see additional documents supplied.
Note: All pertinent information's are on file at LMCES under work order number: WEN101120.

Maintenance performed in accordance with EASA 145.7266
Maintenance accomplie en accord avec EASA 145.7266

13a. Certifies that the items identified above were manufactured in conformity to:
Le present bon certife que les articles indiqués ci-dessus ont été construits conformément à:

Approved design data and are in a condition for safe operation.
☐ Des données de conception approuvées et qu'ils peuvent être utilisés en toute sécurité.

☐ Non-approved design data specified in Block 12
Des données de conception non approuvées indiquées a la case 12

14a ☒ CAR 571.10 Maintenance release.
RAC 571.10 (certification après maintenance)

☒ Other regulation specified in Block 12.
Autre réglementation précisée à la case 12.

Certifies that, except where otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was performed in accordance with Canadian Air Regulations and FAR 43.17, as it applies to this product.

Le présent bon certifie qu'à moins d'inidication contraire apparaissant à la case 12, le travail inidiqué à la case 11 et décrit à la case 12 a été effectué conformément au Règlement de l'aviation canadien et au FAR 43.17, tel qu'applicable à ce produit.

13b. Signature:	13c. Approval Organization Number	14b.Signature: B 370781	14c. Approval Ref. - Numéro de l'organisme agréé
			AMO 34-12
13d. Name - Nom	13e. Date (dd/mmm/yyyy) - (jj/mmm/aaaa)	14d. Name - Nom SAMUEL ADAMS 370781	14e. Date (dd/mmm/yyyy) - (jj/mmm/aaaa) 17/Aug/2024

User/Installer Responsibilities

This certificate does not constitute authority to install.
Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulation before the aircraft may be flown.

Responsabilités Du Monteur

Le présent bon de sortie ne constitue pas une autorisation de montage.

Le monteur qui travaille conformément à la réglementation d'un pays autre que celui specifié à la case 1 doit s'assurer que la réglementation en question reconnait la certification du pays ainsi spécifié.

Les déclarations des cases 13a et 14a ne constituent pas une certification de montage. Dans tout les cas, le dossier technique de l'aéronef doit inclure une certification de montage délivrée conformément à la réglementation nationale qui s'applique, avant que l'aéronef puisse voler.

Chapter 2

FAA Form 337

U.S Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Power plant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 2/28/2011 | Electronic Tracking number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9 Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark	Serial No.	
	Make	Model	Series
2. Owner	Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)* Address City State Zip Country	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☐	AIRFRAME		*(As described in item 1 above)*	
☒	☐	POWERPLANT	**CFM**	**CFM56-5B4/P**	**575531**
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name: Lockheed Martin commercial engine solutions
Address: 7171 Cote-Vertu Ouest
City: DORVAL State: QUEBEC
Zip: H4S 1Z3 Country: CANADA

B. Kind of Agency

- ☐ U.S. Certificated Mechanic
- ☐ Manufacturer
- ☐ Foreign Certificated Mechanic
- ☐ Certificated Repair Station
- ☒ Certificated Maintenance Organization

C. Certificate No.

TCCA AMO 34-12

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended Range Fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual

SAMUEL ADAMS # 370781 , Inspector B 370781

Aug / 18 /2024

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY							
	☐ FAA Flt. Standards Inspector	☐ Manufacturer	☒ Maintenance Organization	☐ Person Approved by Canadian Department of Transport
	☐ FAA Designee	☐ Repair Station	☐ Inspection Authorization	Other *(Specify)* TCCA AMO 34-12

Cerficate or Designation No.

Signature/Date of Authorized Individual

SAMUEL ADAMS # 370781 , Inspector B 370781

Aug / 18 /2024

FAA Form 337 (10-06)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

Nationality and Registration Mark | Date

Engine S/N:	575531	TSN:	49678,5	TSLSV:	5627,85
Type:	CFM56-5B4/P	CSN:	26845	CSLSV:	3841
Reason for removal:		Lease Return		Customer P.O.:	MF-2024-Q2

Work performed: : Engine inspected, repaired and tested serviceable in accordance with Customer instructions, using Lockheed Martin commercial engine solutions workscope CFM56-5B WPG, WOS shop work package as amended this event, LMCES shop procedures, Engine Shop Manual CFMI-SM.9 Rev 80 dated March 15/2024 & AMM - A318,A319,A320,A321 – LEASE – Rev 16 dated May 01/2024

NOMENCLATURE	S/N	LEVEL OF MAINTENANCE ACCOMPLISHED
72-00 Engine	575531	Minimum workscope
72-00-01 Fan Major Module	01X75531	Serviceability check.
72-21 Fan Blades	N/A	Minimum workscope.
72-21 Booster	21X77152	Full Overhaul workscope. From ESN 577152
72-22 1 & 2 Bearing support	22X77731	Minimum workscope.
72-23 Fan frame	23X75531	Exposed areas Inspected per ESM 72-00-01.
72-00-02 Core Major Mod	02X75531	Inspected per ESM 72-00-02-SP020
72-31 HP Compressor	31X75531	Borescope inspected per AMM 72-31-00.
72-32 HPC FWD Stator	32X75531	Exposed areas Inspected per ESM 72-00-02-SP020.
72-33 HPC Rear stator	33X75531	Not Exposed.
72-41 Combustion case	41X75531	Exposed areas Inspected per ESM 72-00-02-SP020.
72-42 Combustion chamber	GGM8WRF2	Borescope inspected per AMM 72-42-00.
72-51 HPT Nozzle	51X75531	Borescope inspected per AMM 72-51-00.
72-52 HP Turbine	52X75531	Exposed areas Inspected per ESM 72-00-02-SP020.
72-53 Low pressure turbine nozzles	53X75531	Inspected & Repaired per ESM 72-00-02-SP020.
72-00-03 LPT Major Module	50X575686	Inspected & Repaired per ESM 72-00-03-SP020. From ESN 575686
72-54 LP turbine rotor/stator	54X75686	Inspected per ESM 72-00-03-SP020.From ESN 575686
72-55 LP turbine shaft	55X75686	Inspected & Repaired per ESM 72-00-03-SP020. From ESN 575686
72-56 LP turbine frame	56X75650	Minimum workscope. From ESN 575650
72-61 Inlet gearbox	61X75531	Exposed areas Inspected per ESM 72-00-01.
72-62 Transfer gearbox	62X75531	Exposed areas Inspected per ESM 72-00-01.
72-63 Accessory gearbox	63X75531	Exposed areas Inspected per ESM 72-00-01.

This engine was shop tested per CFM56-5B ESM test procedure 72-00-00 testing 001,002,003 & 009
N1 TRIM: -5B3/P Modifier level 4 ; -5B4/P Modifier level 3 & -5B5/P Modifier level 5 per test result.
For deviations consult deviation summary sheet applicable for this event.
Additional Open Items listed on attached KAC-1996A. (02 open items).
Engine fuel and oil systems preserved for 30 to 365 days per ESM 72-00-00-12 storage on 2024-08-15, preservation expiry date: 2025-08-15
For L.L.P.'s, A.D.'s & S/B's status, submitted to customer for approval this shop visit, see additional documents supplied.
Note: All pertinent information's are on file at LMCES under work order number: WEN101120.
AUTHORIZED RELEASE CERTIFICATE FORM ONE TRACKING # 126376 ATTACHED.

☐ Additional Sheets Are Attached

FAA Form 337 (10-06)

Chapter 3

Open Additional Items & Missing Parts List

LOCKHEED MARTIN

Open Additional Items

Form Tracking #	Customer	Date (yyyy-mm-dd)
WEN101120	WWTAI AirOpCo 1 Bermuda Ltd.	2024-08-17
ESN	**Attach to ARC Form One Tracking #**	**Station**
575531	126376	YUL

Item 1	Defect Description: DEPRESERVE FUEL & OIL SYSTEMS I.A.W A319/320 AMM.	Posted By: SAMUEL ADAMS (B 370781)	
		Date (yyyy-mm-dd): 2024-08-17	
	Corrective Action	Work Performed	MR
		Date (yyyy-mm-dd)	Date (yyyy-mm-dd)
Item 2	Defect Description: VERIFY & CORRECT TO SERVICEABILITY LEVEL ALL ENGINE FLUIDS I.A.W A319/320 AMM.	Posted By: SAMUEL ADAMS (B 370781)	
		Date (yyyy-mm-dd): 2024-08-17	
	Corrective Action	Work Performed	MR
		Date (yyyy-mm-dd)	Date (yyyy-mm-dd)
Item	Defect Description	Posted By	
		Date (yyyy-mm-dd)	
	Corrective Action	Work Performed	MR
		Date (yyyy-mm-dd)	Date (yyyy-mm-dd)
Item	Defect Description	Posted By	
		Date (yyyy-mm-dd)	
	Corrective Action	Work Performed	MR
		Date (yyyy-mm-dd)	Date (yyyy-mm-dd)
Item	Defect Description	Posted By	
		Date (yyyy-mm-dd)	
	Corrective Action	Work Performed	MR
		Date (yyyy-mm-dd)	Date (yyyy-mm-dd)

LOCKHEED MARTIN

Missing Parts List

Customer		
WWTAI AIROPCO 1 BERMUDA		
Engine S/N	**Engine Type**	**Engine Serviceable Date**
575531	CFM56-5B4/P	2024-08-17

Item	Nomenclature	Part Number	Qty	Remarks
	No missing part			

Prepared by:	SCA Stamp	Date
SAMUEL ADAMS	B 370781	2024-08-17

Chapter 4

Life Limited Parts

LOCKHEED MARTIN
Commercial Engine Solutions

LIFE LIMITED PARTS REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD
Work Order No.:	WEN101120
Engine Serial No.:	575531

Engine Type:	CFM56-5B4/P
Engine Total Time:	49 678,50
Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST / J.CHARLAND-LEFEBVRE
Employee Stamp:	A 423265

IIN REF	Description Nomenclature	Part Number	Serial Number	Total Hours	Total Cycles	TOTAL CYCLES USED					PARTS LIFE LIMITS					CYCLES REMAINING					Replaced **	Removed from Engine	Remarks
						5B2/P	5B4/P	5B5/P	5B6/P	7B26	5B2/P	5B4/P	5B5/P	5B6/P	7B26	5B2/P	5B4/P	5B5/P	5B6/P	7B26			
211	Booster Spool (Chp. 5-11)	338-001-906-0	DD687210	31157	19996	0	0	19996	0		30000	30000	30000	30000		10004	10004	10004	10004		**	575396	
213	Fan Disk (Chp. 5-11)	338-001-504-0	MA245396	28568,87	19375	0	0	19375	0		30000	30000	30000	30000		10625	10625	10625	10625		**	577152	
221	Fan Shaft (Chp. 05-11)	338-010-601-0	DD436270	48142	19673	0	15189	4484	0		30000	30000	30000	30000		10327	10327	10327	10327		**	577731	
312	HPC Rotor Shaft (Chp. 05-11)	1386M56P03	GWN0P61L	19350,85	10892	0	3841	0	0	7051	20000	20000	20000	20000	20000	9108	9108	9108	9108	9108		575531	
313	HPC Stage 1 -2 Spool (Chp. 05-11)	1558M31G07	GWN0RD5P	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	20000	8271	8271	8271	8271	8271		575531	
314	HPC Stage 3 Disk (Chp. 05-11)	2116M23P01	XAEBC272	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	20000	8271	8271	8271	8271	8271		575531	
315	HPC Stage 4 - 9 Spool (Chp. 05-11)	1588M89G03	GWN0R818	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	20000	8271	8271	8271	8271	8271		575531	
316	CDP Seal (Chp. 05-11)	1523M35P01	GFF5GP3G	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	18600	8271	8271	8271	8271	7692		575531	
521	HPT Front Shaft (Chp. 05-11)	1873M73P01	XAEM6888	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	17600	8271	8271	8271	8271	7278		575531	
522	HPT Rotating Air Front Seal	1795M36P02	TMT6Y917	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	17600	8271	8271	8271	8271	7278		575531	
525	HPT Rotor Disk (Chp. 05-11)	1498M43P06	GWN0R899	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	20000	8271	8271	8271	8271	8271		575531	
526	HPT Rear Shaft (Chp. 05-11)	1864M90P04	TMTA4920	19125,5	11729	0	11729	0	0	0	20000	20000	20000	20000	20000	8271	8271	8271	8271	8271		575531	
541	LPT Case (Chp. 05-12)	338-117-455-0	DC503768	36198	29994	5820	0	0	24174	0	N/L	N/L	N/L	N/L	N/L	N/A	N/A	N/A	N/A	N/A	**	575686	SB's 72-0589, 72-0229 AND 72-0636 PCW AT LAST SHOP VISIT. P/N RE-IDENTIFIED AS 338-117-455-0
542	LPT Stage 1 Disk (Chp. 05-11)	336-001-804-0	PC254873	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000	25000	15006	15006	15006	15006	15006	**	575686	
543	LPT Stage 2 Disk (Chp. 05-11)	336-001-909-0	DK739109	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000	25000	15006	15006	15006	15006	15006	**	575686	
544	LPT Stage 3 Disk (Chp. 05-11)	336-002-006-0	PC255402	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000	25000	15006	15006	15006	15006	15006	**	575686	
545	LPT Stage 4 Disk (Chp. 05-11)	336-002-105-0	PC268992	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000	25000	15006	15006	15006	15006	15006	**	575686	
546	LPT Rotor Support (Conical)	340-301-702-0	DK367177	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000	25000	15006	15006	15006	15006	15006	**	575686	
551	LPT Shaft (Chp. 05-11)	338-010-005-0	PC276036	13226	9994	5820	0	0	4174	0	25000	25000	25000	25000		15006	15006	15006	15006		**	575686	
Mandatory Inspections Per Chp. 05-21-03																							
561	LPTurbine Rear Frame	338-171-705-0	LA108656	54413,12	39806	0	0	39806	0	0	4700	4700	4700	4700		4700	4700	4700	4700		**	575650	SB 72-0620 CW
ESM Chp 05-21-04: Mandatory Inspections: are covered in ESM Piece-part level Inspection. See AD Report AD 2002-13-03 & F-2002-390-IMP (B)																							

Notes :

(1) : Hours & Cycles above mentioned are issued from Customer information

(2) : Maximum Parts Limitations and Remaining lives are subject to alterations. Please always refer to Engine Shop Manual chapter 05-XX-XX (Life limits 001).

** : Part has been replaced by LMCES during shop visit (Outgoing LLP status). CSP Remarks =Customer Supplied Part

Chapter 5

Engine Build Configuration

LOCKHEED MARTIN
Commercial Engine Solutions

Incoming / Outgoing Modules

Customer:	WWTAI AIROPCO 1 BERMUDA LTD
Work Order No.:	WEN101120
Engine Serial No.:	575531
Engine Type:	CFM56-5B4/P
Engine Total Time:	49 678,50
Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
20X	FAN MAJOR MODULE	72-20-CFM-MODULE	01X75531	49 678,5	26 845	72-20-CFM-MODULE	01X75531	49 678,5	26 845	UNK	UNK	RP	575531
21X	FAN & BOOSTER MODULE	338-070-707-0	21X75531	49 678,5	26 845	338-070-707-0	21X77152	48 147,35	33 505	0,00	0	OH	577152
211	*BOOSTER SPOOL*	*338-001-906-0*	*HB457350*	*5 627,85*	*3 841*	*338-001-906-0*	*DD687210*	*31 157,00*	*19 996*	*0,00*	*0*	*OH*	575396
213	*FAN DISK*	*338-001-504-0*	*MA454638*	*5 627,85*	*3 841*	*338-001-504-0*	*MA245396*	*28 568,87*	*19 375*	*0,00*	*0*	*OH*	577152
INCOMING FAN BLADES_QTY 36						*OUTGOING FAN BLADES_QTY 36*							
21A	FAN BLADE_POS 1	338-002-114-0	DH728619	UNK	UNK	338-002-114-0	DH728619	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 2	338-002-114-0	BB923587	UNK	UNK	338-002-114-0	BB721004	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 3	338-002-114-0	BB907350	UNK	UNK	338-002-114-0	BB907348	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 4	338-002-114-0	BB890746	UNK	UNK	338-002-114-0	BB428143	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 5	338-002-114-0	PA130390	UNK	UNK	338-002-114-0	BB923587	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 6	338-002-114-0	BB918628	UNK	UNK	338-002-114-0	BB890745	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 7	338-002-114-0	PA372437	UNK	UNK	338-002-114-0	BB918969	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 8	338-002-114-0	BB918969	UNK	UNK	338-002-114-0	BB918970	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 9	338-002-114-0	BB909666	UNK	UNK	338-002-114-0	BB907350	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 10	338-002-114-0	BB907348	UNK	UNK	338-002-114-0	DC012644	54 784,00	28 120	UNK	UNK	IT	575629
21A	FAN BLADE_POS 11	338-002-114-0	BB907347	UNK	UNK	338-002-114-0	BC485028	UNK	UNK	UNK	UNK	IT	779830
21A	FAN BLADE_POS 12	338-002-114-0	BB932096	UNK	UNK	338-002-114-0	BB909666	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 13	338-002-114-0	BB890745	UNK	UNK	338-002-114-0	BC908383	41 949,85	17 689	UNK	UNK	IT	575531
21A	FAN BLADE_POS 14	338-002-114-0	BB721004	UNK	UNK	338-002-114-0	BB921420	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 15	338-002-114-0	BC908383	41 949,85	17 689	338-002-114-0	BB890746	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 16	338-002-114-0	BB907360	UNK	UNK	338-002-114-0	BB907363	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 17	338-002-114-0	BB907363	UNK	UNK	338-002-114-0	PA372437	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 18	338-002-114-0	BB907351	UNK	UNK	338-002-114-0	PA306331	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 19	338-002-114-0	DD702779	UNK	UNK	338-002-114-0	DD702779	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 20	338-002-114-0	PA372435	UNK	UNK	338-002-114-0	BB609998	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 21	338-002-114-0	BB923588	UNK	UNK	338-002-114-0	BB909664	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 22	338-002-114-0	BB907364	UNK	UNK	338-002-114-0	PA130283	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 23	338-002-114-0	BC914059	41 949,85	17 689	338-002-114-0	PA372435	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 24	338-002-114-0	BB428143	UNK	UNK	338-002-114-0	PA104255	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 25	338-002-114-0	BB918968	UNK	UNK	338-002-114-0	BB918971	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 26	338-002-114-0	BB918973	UNK	UNK	338-002-114-0	BB907360	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 27	338-002-114-0	DC003099	UNK	UNK	338-002-114-0	BB923588	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 28	338-002-114-0	BB909664	UNK	UNK	338-002-114-0	DC465536	54 784,00	28 120	23 923,00	13 167	IT	575629
21A	FAN BLADE_POS 29	338-002-114-0	BB921420	UNK	UNK	338-002-114-0	PA130390	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 30	338-002-114-0	PA104255	UNK	UNK	338-002-114-0	DC003099	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 31	338-002-114-0	PA306331	UNK	UNK	338-002-114-0	BC037059	53 734,00	27 482	15 457,00	8 642	IT	575629
21A	FAN BLADE_POS 32	338-002-114-0	BB609998	UNK	UNK	338-002-114-0	BB907347	UNK	UNK	UNK	UNK	IT	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
21A	FAN BLADE_POS 33	338-002-114-0	PA130283	UNK	UNK	338-002-114-0	BB907364	UNK	UNK	UNK	UNK	IT	575531
21A	FAN BLADE_POS 34	338-002-114-0	BB918970	UNK	UNK	338-002-114-0	DC012358	54 784,00	28 120	0,00	0	OH	575629
21A	FAN BLADE_POS 35	338-002-114-0	BB918971	UNK	UNK	338-002-114-0	BB832732	50 777,00	25 811	23 923,00	13 167	IT	575629
21A	FAN BLADE_POS 36	338-002-114-0	PA372450	UNK	UNK	338-002-114-0	BB932096	UNK	UNK	UNK	UNK	IT	575531
22X	No.1 & 2 BRG SUPPORT MODULE	338-070-802-0	22X75531	49 678,5	26 845	338-070-804-0	22X77731	48 142,00	19 673	13 243,29	6 488	RP	577731
221	*FAN SHAFT*	*338-010-601-0*	*HC925586*	*5 627,85*	*3 841*	*338-010-601-0*	*DD436270*	*48 142,00*	*19 673*	*13 243,29*	*6 488*	*NR*	577731
223	BALL BEARING #1	337-108-201-0	MA145251	49 678,5	26 845	337-108-201-0	MA196867	48 142,00	19 673	13 243,29	6 488	NR	577731
228	#1 BEARING SUPPORT	338-010-502-0	MC023074	49 678,5	26 845	338-010-502-0	MC042931	13 243,29	6 488	13 243,29	6 488	NR	577731
226	ROLLER BEARING #2	305-366-204-0	MA143127	49 678,5	26 845	305-365-704-0	MA138686	48 142,00	19 673	13 243,29	6 488	NR	577731
229	#2 BEARING SUPPORT	301-539-211-0	MA132890	49 678,5	26 845	301-539-211-0	MA211058	48 142,00	19 673	13 243,29	6 488	NR	577731
23X	FAN FRAME MODULE	338-070-936-0	23X75531	49 678,5	26 845	338-070-936-0	23X75531	49 678,5	26 845	UNK	UNK	NR	575531
231	FAN FRAME	338-077-913-0	DC088331	49 678,5	26 845	338-077-913-0	DC088331	49 678,5	26 845	UNK	UNK	NR	575531
234	FAN CASE	338-075-622-0	DC213643	49 678,5	26 845	338-075-622-0	DC213643	49 678,5	26 845	UNK	UNK	NR	575531
30X	CORE MAJOR MODULE	72-30-CFM-MODULE	02X75531	49 678,5	26 845	72-30-CFM-MODULE	02X75531	49 678,5	26 845	5 627,85	3 841	RP	575331
31X	HPC ROTOR MODULE	1887M18G01	31X75531	49 678,5	26 845	1887M18G01	31X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
312	*HPC ROTOR SHAFT*	*1386M56P03*	*GWN0P61L*	*19 350,85*	*10 892*	*1386M56P03*	*GWN0P61L*	*19 350,85*	*10 892*	*5 627,85*	*3 841*	*NR*	575531
313	*HPC STAGE 1 -2 SPOOL*	*1558M31G07*	*GWN0RD5P*	*19 125,5*	*11 729*	*1558M31G07*	*GWN0RD5P*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
314	*HPC STAGE 3 DISK*	*2116M23P01*	*XAEBC272*	*19 125,5*	*11 729*	*2116M23P01*	*XAEBC272*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
315	*HPC STAGE 4 - 9 SPOOL*	*1588M89G03*	*GWN0R818*	*19 125,5*	*11 729*	*1588M89G03*	*GWN0R818*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
316	*CDP SEAL*	*1523M35P01*	*GFF5GP3G*	*19 125,5*	*11 729*	*1523M35P01*	*GFF5GP3G*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
32X	HPC FRONT STATOR MODULE	1887M16G01	32X75531	49 678,5	26 845	1887M16G01	32X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
321	HPC FRONT STATOR CASE	1559M30G06	FBJF0633	49 678,5	26 845	1559M30G06	FBJF0633	49 678,5	26 845	5 627,85	3 841	NR	575531
33X	HPC REAR STATOR MODULE	1887M17G01	33X75531	49 678,50	26 845	1887M17G01	33X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
331	HPC REAR STATOR CASE	1559M40G03	CDAC3136	49 678,5	26 845	1559M40G03	CDAC3136	49 678,5	26 845	5 627,85	3 841	NR	575531
41X	COMBUSTION CASE MODULE	1887M83G01	41X75531	49 678,5	26 845	1887M83G01	41X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
411	COMBUSTION CASE	1784M91G02	GEVKNDFR	49 678,5	26 845	1784M91G02	GEVKNDFR	49 678,5	26 845	5 627,85	3 841	NR	575531
413	HPT INNER STATIONARY SEAL	1808M56G01	ALF12DL5	49 678,5	26 845	1808M56G01	ALF12DL5	49 678,5	26 845	5 627,85	3 841	NR	575531
INCOMING FUEL NOZZLES_QTY 20													
923_1	FUEL NOZZLE	1317M47G18	PCY161A2	UNK	UNK	1317M47G18	PCY161A2	UNK	UNK	5 627,85	3 841	NR	575531
923_2	FUEL NOZZLE	1317M47G18	PCY160A8	UNK	UNK	1317M47G18	PCY160A8	UNK	UNK	5 627,85	3 841	NR	575531
923_3	FUEL NOZZLE	1317M47G18	PCY161A4	UNK	UNK	1317M47G18	PCY161A4	UNK	UNK	5 627,85	3 841	NR	575531
923_4	FUEL NOZZLE	1317M47G18	PCY161A0	UNK	UNK	1317M47G18	PCY161A0	UNK	UNK	5 627,85	3 841	NR	575531
923_5	FUEL NOZZLE	1317M47G16	PCYFT417	UNK	UNK	1317M47G16	PCYFT417	UNK	UNK	5 627,85	3 841	NR	575531
923_6	FUEL NOZZLE	1317M47G16	PCYPB653	UNK	UNK	1317M47G16	PCYPB653	UNK	UNK	5 627,85	3 841	NR	575531
923_7	FUEL NOZZLE	1317M47G16	PCYFT420	UNK	UNK	1317M47G16	PCYFT420	UNK	UNK	5 627,85	3 841	NR	575531
923_8	FUEL NOZZLE	1317M47G16	PCYFT419	UNK	UNK	1317M47G16	PCYFT419	UNK	UNK	5 627,85	3 841	NR	575531
923_9	FUEL NOZZLE	1317M47G18	PCY161A6	UNK	UNK	1317M47G18	PCY161A6	UNK	UNK	5 627,85	3 841	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
923_10	FUEL NOZZLE	1317M47G18	PCY162A1	UNK	UNK	1317M47G18	PCY162A1	UNK	UNK	5 627,85	3 841	NR	575531
923_11	FUEL NOZZLE	1317M47G18	PCY161A7	UNK	UNK	1317M47G18	PCY161A7	UNK	UNK	5 627,85	3 841	NR	575531
923_12	FUEL NOZZLE	1317M47G18	PHC45T04	UNK	UNK	1317M47G18	PHC45T04	UNK	UNK	5 627,85	3 841	NR	575531
923_13	FUEL NOZZLE	1317M47G18	PCY162A0	UNK	UNK	1317M47G18	PCY162A0	UNK	UNK	5 627,85	3 841	NR	575531
923_14	FUEL NOZZLE	1317M47G18	PCY2884T	UNK	UNK	1317M47G18	PCY2884T	UNK	UNK	5 627,85	3 841	NR	575531
923_15	FUEL NOZZLE	1317M47G18	PSDGT207	UNK	UNK	1317M47G18	PSDGT207	UNK	UNK	5 627,85	3 841	NR	575531
923_16	FUEL NOZZLE	1317M47G18	PSDGT208	UNK	UNK	1317M47G18	PSDGT208	UNK	UNK	5 627,85	3 841	NR	575531
923_17	FUEL NOZZLE	1317M47G18	PSDGT209	UNK	UNK	1317M47G18	PSDGT209	UNK	UNK	5 627,85	3 841	NR	575531
923_18	FUEL NOZZLE	1317M47G18	PSDGT210	UNK	UNK	1317M47G18	PSDGT210	UNK	UNK	5 627,85	3 841	NR	575531
923_19	FUEL NOZZLE	1317M47G18	PSDGT113	UNK	UNK	1317M47G18	PSDGT113	UNK	UNK	5 627,85	3 841	NR	575531
923_20	FUEL NOZZLE	1317M47G18	PSDGT114	UNK	UNK	1317M47G18	PSDGT114	UNK	UNK	5 627,85	3 841	NR	575531
421	COMBUSTION CHAMBER MODULE	1968M41G03	GGM8WRF2	49 678,5	26 845	1968M41G03	GGM8WRF2	49 678,5	26 845	5 627,85	3 841	NR	575531
423	OUTER LINER	2257M42G02	GGM8WN3L	49 678,5	26 845	2257M42G02	GGM8WN3L	49 678,5	26 845	UNK	UNK	NR	575531
42B	INNER LINER	2414M75G07	GGM8WLJP	49 678,5	26 845	2414M75G07	GGM8WLJP	49 678,5	26 845	5 627,85	3 841	NR	575531
42C	COMBUSTION CHAMBER DOME	1561M26G05	GGM8WP9R	49 678,5	26 845	1561M26G05	GGM8WP9R	49 678,5	26 845	UNK	UNK	NR	575531
424	OUTER COWL	1968M59G01	EGTC1891	49 678,5	26 845	1968M59G01	EGTC1891	49 678,5	26 845	UNK	UNK	NR	575531
42A	INNER COWL	9531M11G02	BOMF4740	5 627,85	3 841	9531M11G02	BOMF4740	5 627,85	3 841	5 627,85	3 841	NR	575531
50X	LPT MAJOR MODULE	72-50-CFM-MODULE	03X75531	49 678,5	26 845	338-092-218-0	50X575686	36198	29994	13226	9994	RP	575686
51X	HPT NOZZLE ASSY	1887M19G04	51X75531	49 678,5	26 845	1887M19G04	51X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
512	HPT NOZZLE INNER FWD SUPPORT	2071M28G05	FCP55L3J	49 678,5	26 845	2071M28G05	FCP55L3J	49 678,5	26 845	5 627,85	3 841	NR	575531
513	HPT NOZZLE INNER AFT SUPPORT	1358M35G02	WDMA4127	49 678,5	26 845	1358M35G02	WDMA4127	49 678,5	26 845	5 627,85	3 841	NR	575531
414	HPT OUTER STATIONARY SEAL	1784M84G01	FCP55LJ6	49 678,5	26 845	1784M84G01	FCP55LJ6	49 678,5	26 845	5 627,85	3 841	NR	575531
INCOMING HPT NOZZLES_QTY 21						OUTGOING HPT NOZZLES_QTY 21							
511_1	HPT NOZZLES	2080M35G10	JMN1B0L2	5 627,85	3 841	2080M35G10	JMN1B0L2	5 627,85	3 841	5 627,85	3 841	NR	575531
511_2	HPT NOZZLES	1893M39G05	JMMC678M	49 678,5	26 845	1893M39G05	JMMC678M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_3	HPT NOZZLES	1893M39G05	JMMC690M	49 678,5	26 845	1893M39G05	JMMC690M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_4	HPT NOZZLES	2086M14G02	JMMC436M	49 678,5	26 845	2086M14G02	JMMC436M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_5	HPT NOZZLES	2080M35G10	JMN1B4HB	5 627,85	3 841	2080M35G10	JMN1B4HB	5 627,85	3 841	5 627,85	3 841	NR	575531
511_6	HPT NOZZLES	1893M39G05	JMMC451M	49 678,5	26 845	1893M39G05	JMMC451M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_7	HPT NOZZLES	2086M14G02	JMMC728M	49 678,5	26 845	2086M14G02	JMMC728M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_8	HPT NOZZLES	1893M39G05	JMMC566H	49 678,5	26 845	1893M39G05	JMMC566H	49 678,5	26 845	5 627,85	3 841	NR	575531
511_9	HPT NOZZLES	2086M14G02	JMMC711M	49 678,5	26 845	2086M14G02	JMMC711M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_10	HPT NOZZLES	2086M14G02	JMMC721M	49 678,5	26 845	2086M14G02	JMMC721M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_11	HPT NOZZLES	1893M39G05	JMMC463M	49 678,5	26 845	1893M39G05	JMMC463M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_12	HPT NOZZLES	1893M39G05	JMMC439M	49 678,5	26 845	1893M39G05	JMMC439M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_13	HPT NOZZLES	1893M39G05	JMMC838H	49 678,5	26 845	1893M39G05	JMMC838H	49 678,5	26 845	5 627,85	3 841	NR	575531
511_14	HPT NOZZLES	2086M14G02	JMMC686M	49 678,5	26 845	2086M14G02	JMMC686M	49 678,5	26 845	5 627,85	3 841	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
511_15	HPT NOZZLES	1893M39G05	JMMC702M	49 678,5	26 845	1893M39G05	JMMC702M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_16	HPT NOZZLES	2086M14G02	JMMC537M	49 678,5	26 845	2086M14G02	JMMC537M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_17	HPT NOZZLES	2086M14G02	JMMC586M	49 678,5	26 845	2086M14G02	JMMC586M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_18	HPT NOZZLES	1893M39G05	JMMC421M	49 678,5	26 845	1893M39G05	JMMC421M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_19	HPT NOZZLES	1893M39G05	JMMC427M	49 678,5	26 845	1893M39G05	JMMC427M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_20	HPT NOZZLES	1893M39G05	JMMC664M	49 678,5	26 845	1893M39G05	JMMC664M	49 678,5	26 845	5 627,85	3 841	NR	575531
511_21	HPT NOZZLES	1893M39G05	JMMC281M	49 678,5	26 845	1893M39G05	JMMC281M	49 678,5	26 845	5 627,85	3 841	NR	575531
52X	HPT ROTOR MODULE	1887M11G01	52X75531	49 678,5	26 845	1887M11G01	52X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
521	*HPT FRONT SHAFT*	*1873M73P01*	*XAEM6888*	*19 125,5*	*11 729*	*1873M73P01*	*XAEM6888*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
522	*HPT ROTATING AIR FRONT SEAL*	*1795M36P02*	*TMT6Y917*	*19 125,5*	*11 729*	*1795M36P02*	*TMT6Y917*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
525	*HPT ROTOR DISK*	*1498M43P06*	*GWN0R899*	*19 125,5*	*11 729*	*1498M43P06*	*GWN0R899*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
526	*HPT REAR SHAFT*	*1864M90P04*	*TMTA4920*	*19 125,5*	*11 729*	*1864M90P04*	*TMTA4920*	*19 125,5*	*11 729*	*5 627,85*	*3 841*	*NR*	575531
528	HPT ROTATING REAR SEAL	1319M17P02	NCE4627W	UNK	UNK	1319M17P02	NCE4627W	UNK	UNK	5 627,85	3 841	NR	575531
INCOMING HPT BLADES_QTY 80						OUTGOING HPT BLADES_QTY 80							
527_1	HPT BLADE	2100M96P05	FELE07YL	5 627,85	3 841	2100M96P05	FELE07YL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_2	HPT BLADE	2100M96P05	FELG21WR	5 627,85	3 841	2100M96P05	FELG21WR	5 627,85	3 841	5 627,85	3 841	NR	575531
527_3	HPT BLADE	2100M96P05	FELG29WR	5 627,85	3 841	2100M96P05	FELG29WR	5 627,85	3 841	5 627,85	3 841	NR	575531
527_4	HPT BLADE	2100M96P05	FELG53RA	5 627,85	3 841	2100M96P05	FELG53RA	5 627,85	3 841	5 627,85	3 841	NR	575531
527_5	HPT BLADE	2100M96P05	FELH01KB	5 627,85	3 841	2100M96P05	FELH01KB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_6	HPT BLADE	2100M96P05	FELH01KW	5 627,85	3 841	2100M96P05	FELH01KW	5 627,85	3 841	5 627,85	3 841	NR	575531
527_7	HPT BLADE	2100M96P05	FELH02KH	5 627,85	3 841	2100M96P05	FELH02KH	5 627,85	3 841	5 627,85	3 841	NR	575531
527_8	HPT BLADE	2100M96P05	FELH02MC	5 627,85	3 841	2100M96P05	FELH02MC	5 627,85	3 841	5 627,85	3 841	NR	575531
527_9	HPT BLADE	2100M96P05	FELH03KH	5 627,85	3 841	2100M96P05	FELH03KH	5 627,85	3 841	5 627,85	3 841	NR	575531
527_10	HPT BLADE	2100M96P05	FELH03MC	5 627,85	3 841	2100M96P05	FELH03MC	5 627,85	3 841	5 627,85	3 841	NR	575531
527_11	HPT BLADE	2100M96P05	FELH04LY	5 627,85	3 841	2100M96P05	FELH04LY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_12	HPT BLADE	2100M96P05	FELH05BJ	5 627,85	3 841	2100M96P05	FELH05BJ	5 627,85	3 841	5 627,85	3 841	NR	575531
527_13	HPT BLADE	2100M96P05	FELH05KB	5 627,85	3 841	2100M96P05	FELH05KB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_14	HPT BLADE	2100M96P05	FELH05KN	5 627,85	3 841	2100M96P05	FELH05KN	5 627,85	3 841	5 627,85	3 841	NR	575531
527_15	HPT BLADE	2100M96P05	FELH07JR	5 627,85	3 841	2100M96P05	FELH07JR	5 627,85	3 841	5 627,85	3 841	NR	575531
527_16	HPT BLADE	2100M96P05	FELH07KP	5 627,85	3 841	2100M96P05	FELH07KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_17	HPT BLADE	2100M96P05	FELH08KP	5 627,85	3 841	2100M96P05	FELH08KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_18	HPT BLADE	2100M96P05	FELH10KP	5 627,85	3 841	2100M96P05	FELH10KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_19	HPT BLADE	2100M96P05	FELH16DL	5 627,85	3 841	2100M96P05	FELH16DL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_20	HPT BLADE	2100M96P05	FELH18KP	5 627,85	3 841	2100M96P05	FELH18KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_21	HPT BLADE	2100M96P05	FELH19KP	5 627,85	3 841	2100M96P05	FELE07YL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_22	HPT BLADE	2100M96P05	FELH21MB	5 627,85	3 841	2100M96P05	FELG21WR	5 627,85	3 841	5 627,85	3 841	NR	575531
527_23	HPT BLADE	2100M96P05	FELH23MB	5 627,85	3 841	2100M96P05	FELG29WR	5 627,85	3 841	5 627,85	3 841	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
527_24	HPT BLADE	2100M96P05	FELH25KP	5 627,85	3 841	2100M96P05	FELG53RA	5 627,85	3 841	5 627,85	3 841	NR	575531
527_25	HPT BLADE	2100M96P05	FELH26HL	5 627,85	3 841	2100M96P05	FELH01KB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_26	HPT BLADE	2100M96P05	FELH28HL	5 627,85	3 841	2100M96P05	FELH01KW	5 627,85	3 841	5 627,85	3 841	NR	575531
527_27	HPT BLADE	2100M96P05	FELH32KP	5 627,85	3 841	2100M96P05	FELH02KH	5 627,85	3 841	5 627,85	3 841	NR	575531
527_28	HPT BLADE	2100M96P05	FELH33KY	5 627,85	3 841	2100M96P05	FELH02MC	5 627,85	3 841	5 627,85	3 841	NR	575531
527_29	HPT BLADE	2100M96P05	FELH38BT	5 627,85	3 841	2100M96P05	FELH03KH	5 627,85	3 841	5 627,85	3 841	NR	575531
527_30	HPT BLADE	2100M96P05	FELH40BP	5 627,85	3 841	2100M96P05	FELH03MC	5 627,85	3 841	5 627,85	3 841	NR	575531
527_31	HPT BLADE	2100M96P05	FELH40BT	5 627,85	3 841	2100M96P05	FELH04LY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_32	HPT BLADE	2100M96P05	FELH40BU	5 627,85	3 841	2100M96P05	FELH05BJ	5 627,85	3 841	5 627,85	3 841	NR	575531
527_33	HPT BLADE	2100M96P05	FELH40KY	5 627,85	3 841	2100M96P05	FELH05KB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_34	HPT BLADE	2100M96P05	FELH41BT	5 627,85	3 841	2100M96P05	FELH05KN	5 627,85	3 841	5 627,85	3 841	NR	575531
527_35	HPT BLADE	2100M96P05	FELH41BU	5 627,85	3 841	2100M96P05	FELH07JR	5 627,85	3 841	5 627,85	3 841	NR	575531
527_36	HPT BLADE	2100M96P05	FELH46BT	5 627,85	3 841	2100M96P05	FELH07KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_37	HPT BLADE	2100M96P05	FELH47BT	5 627,85	3 841	2100M96P05	FELH08KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_38	HPT BLADE	2100M96P05	FELH47FU	5 627,85	3 841	2100M96P05	FELH10KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_39	HPT BLADE	2100M96P05	FELH48BT	5 627,85	3 841	2100M96P05	FELH16DL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_40	HPT BLADE	2100M96P05	FELH48BU	5 627,85	3 841	2100M96P05	FELH18KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_41	HPT BLADE	2100M96P05	FELH48KA	5 627,85	3 841	2100M96P05	FELH19KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_42	HPT BLADE	2100M96P05	FELH49BT	5 627,85	3 841	2100M96P05	FELH21MB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_43	HPT BLADE	2100M96P05	FELH49HL	5 627,85	3 841	2100M96P05	FELH23MB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_44	HPT BLADE	2100M96P05	FELH50BU	5 627,85	3 841	2100M96P05	FELH25KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_45	HPT BLADE	2100M96P05	FELH51BT	5 627,85	3 841	2100M96P05	FELH26HL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_46	HPT BLADE	2100M96P05	FELH52KA	5 627,85	3 841	2100M96P05	FELH28HL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_47	HPT BLADE	2100M96P05	FELH53KG	5 627,85	3 841	2100M96P05	FELH32KP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_48	HPT BLADE	2100M96P05	FELH54BT	5 627,85	3 841	2100M96P05	FELH33KY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_49	HPT BLADE	2100M96P05	FELH56BT	5 627,85	3 841	2100M96P05	FELH38BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_50	HPT BLADE	2100M96P05	FELH56BU	5 627,85	3 841	2100M96P05	FELH40BP	5 627,85	3 841	5 627,85	3 841	NR	575531
527_51	HPT BLADE	2100M96P05	FELH56CB	5 627,85	3 841	2100M96P05	FELH40BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_52	HPT BLADE	2100M96P05	FELH56MB	5 627,85	3 841	2100M96P05	FELH40BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_53	HPT BLADE	2100M96P05	FELH57BT	5 627,85	3 841	2100M96P05	FELH40KY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_54	HPT BLADE	2100M96P05	FELH58BU	5 627,85	3 841	2100M96P05	FELH41BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_55	HPT BLADE	2100M96P05	FELH59KY	5 627,85	3 841	2100M96P05	FELH41BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_56	HPT BLADE	2100M96P05	FELH60EJ	5 627,85	3 841	2100M96P05	FELH46BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_57	HPT BLADE	2100M96P05	FELH60KY	5 627,85	3 841	2100M96P05	FELH47BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_58	HPT BLADE	2100M96P05	FELH62MM	5 627,85	3 841	2100M96P05	FELH47FU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_59	HPT BLADE	2100M96P05	FELH66KG	5 627,85	3 841	2100M96P05	FELH48BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_60	HPT BLADE	2100M96P05	FELH67KY	5 627,85	3 841	2100M96P05	FELH48BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_61	HPT BLADE	2100M96P05	FELH69MM	5 627,85	3 841	2100M96P05	FELH48KA	5 627,85	3 841	5 627,85	3 841	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
527_62	HPT BLADE	2100M96P05	FELH70EJ	5 627,85	3 841	2100M96P05	FELH49BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_63	HPT BLADE	2100M96P05	FELH71EJ	5 627,85	3 841	2100M96P05	FELH49HL	5 627,85	3 841	5 627,85	3 841	NR	575531
527_64	HPT BLADE	2100M96P05	FELH71JT	5 627,85	3 841	2100M96P05	FELH50BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_65	HPT BLADE	2100M96P05	FELH74JT	5 627,85	3 841	2100M96P05	FELH51BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_66	HPT BLADE	2100M96P05	FELH74KH	5 627,85	3 841	2100M96P05	FELH52KA	5 627,85	3 841	5 627,85	3 841	NR	575531
527_67	HPT BLADE	2100M96P05	FELH75KH	5 627,85	3 841	2100M96P05	FELH53KG	5 627,85	3 841	5 627,85	3 841	NR	575531
527_68	HPT BLADE	2100M96P05	FELH76KH	5 627,85	3 841	2100M96P05	FELH54BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_69	HPT BLADE	2100M96P05	FELH77KH	5 627,85	3 841	2100M96P05	FELH56BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_70	HPT BLADE	2100M96P05	FELH80JT	5 627,85	3 841	2100M96P05	FELH56BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_71	HPT BLADE	2100M96P05	FELH80MM	5 627,85	3 841	2100M96P05	FELH56CB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_72	HPT BLADE	2100M96P05	FELH84LY	5 627,85	3 841	2100M96P05	FELH56MB	5 627,85	3 841	5 627,85	3 841	NR	575531
527_73	HPT BLADE	2100M96P05	FELH85BY	5 627,85	3 841	2100M96P05	FELH57BT	5 627,85	3 841	5 627,85	3 841	NR	575531
527_74	HPT BLADE	2100M96P05	FELH86JP	5 627,85	3 841	2100M96P05	FELH58BU	5 627,85	3 841	5 627,85	3 841	NR	575531
527_75	HPT BLADE	2100M96P05	FELH86KY	5 627,85	3 841	2100M96P05	FELH59KY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_76	HPT BLADE	2100M96P05	FELH87JP	5 627,85	3 841	2100M96P05	FELH60EJ	5 627,85	3 841	5 627,85	3 841	NR	575531
527_77	HPT BLADE	2100M96P05	FELH89KA	5 627,85	3 841	2100M96P05	FELH60KY	5 627,85	3 841	5 627,85	3 841	NR	575531
527_78	HPT BLADE	2100M96P05	FELH94KA	5 627,85	3 841	2100M96P05	FELH62MM	5 627,85	3 841	5 627,85	3 841	NR	575531
527_79	HPT BLADE	2100M96P05	FELH96KA	5 627,85	3 841	2100M96P05	FELH66KG	5 627,85	3 841	5 627,85	3 841	NR	575531
527_80	HPT BLADE	2100M96P05	FELH99HC	5 627,85	3 841	2100M96P05	FELH67KY	5 627,85	3 841	5 627,85	3 841	NR	575531
53X	HPT / LPT NOZZLE MODULE	1887M12G03	53X75531	49 678,5	26 845	1887M12G03	53X75531	49 678,5	26 845	5 627,85	3 841	IT	575531
533	SHROUD NOZZLE SUPPORT	1784M36G01	ALF7LD49	49 678,5	26 845	1784M36G01	ALF7LD49	49 678,5	26 845	5 627,85	3 841	NR	
INCOMING LPT STAGE 1 NOZZLES_QTY 24						OUTGOING LPT STAGE 1 NOZZLES_QTY 24							
531_1	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_2	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_3	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_4	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_5	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_6	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_7	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_8	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_9	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_10	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_11	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_12	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_13	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_14	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_15	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
Engine Serial No.:	575531	Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
531_16	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_17	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_18	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_19	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_20	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_21	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_22	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_23	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
531_24	LPT STAGE 1 NOZZLE	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
54X	LPT ROTOR / STATOR MODULE	338-092-303-0	54X75531	49 678,5	26 845	338-092-309-0	54X75686	36198	29994	13226	9994	IT	575686
541	*LPT CASE*	*338-117-455-0*	*DC155523*	*49 678,5*	*26 845*	*338-117-455-0*	*DC503768*	*36 198*	*29 994*	*13 226*	*9 994*	*MD*	575686
542	*LPT STAGE 1 DISK*	*336-001-804-0*	*DY553990*	*5 627,85*	*3 841*	*336-001-804-0*	*PC254873*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
543	*LPT STAGE 2 DISK*	*336-001-909-0*	*PC766213*	*5 627,85*	*3 841*	*336-001-909-0*	*DK739109*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
544	*LPT STAGE 3 DISK*	*336-002-006-0*	*PC764756*	*5 627,85*	*3 841*	*336-002-006-0*	*PC255402*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
545	*LPT STAGE 4 DISK*	*336-002-105-0*	*PC769032*	*5 627,85*	*3 841*	*336-002-105-0*	*PC268992*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
546	*LPT ROTOR SUPPORT (Conical)*	*340-301-702-0*	*DK367177*	*13 226*	*9 994*	*340-301-702-0*	*DK367177*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
548	LPT ROTATING AIR SEAL STAGE 1	338-111-502-0	DC213406	UNK	UNK	338-111-502-0	BC039334	UNK	UNK	UNK	UNK	NR	575686
549	LPT ROTATING AIR SEAL STAGE 2	338-111-603-0	DY103318	5 627,85	3 841	338-111-603-0	DB681677	36 198	29 994	UNK	UNK	NR	575686
54A	LPT ROTATING AIR SEAL STAGE 3	338-111-701-0	DB680659	49 678,5	26 845	338-111-701-0	DB682428	36 198	29 994	UNK	UNK	NR	575686
54B	LPT ROTATING AIR SEAL STAGE 4	336-003-102-0	DC373158	49 678,5	26 845	336-003-102-0	DC373460	36 198	29 994	UNK	UNK	NR	575686

LOCKHEED MARTIN
Commercial Engine Solutions

MODULE BUILD CONFIGURATION REPORT

Customer:	WWTAI AIROPCO 1 BERMUDA LTD	Engine Type:	CFM56-5B4/P
Work Order No.:	WEN101120	Engine Total Time:	49 678,50
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Serviceability Date:	2024-08-17
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Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

IIN REF	Description / Nomenclature	INCOMING				OUTGOING							
		P/N	S/N	TSN	CSN	P/N	S/N	TSN	CSN	TSO	CSO	Status	FROM ESN
55X	LPT SHAFT MODULE	338-071-304-0	55X75531	49 678,5	26 845	338-071-305-0	55X75686	36 198	29 994	13 226	9 994	RP	575686
551	*LPT SHAFT*	*338-010-005-0*	*PC751137*	*5 627,85*	*3 841*	*338-010-005-0*	*PC276036*	*13 226*	*9 994*	*13 226*	*9 994*	*NR*	575686
556	No.4 ROLLER BEARING	305-355-718-0	DC151917	49 678,5	26 845	335-352-303-0	HU330263	0	0	0	0	NW	NEW
557	No.5 ROLLER BEARING	337-108-401-0	DC098207	49 678,5	26 845	337-108-401-0	DC598270	36 198	29 994	0	0	OH	575686
56X	LPT REAR FRAME MODULE	338-071-403-0	56X75531	49 678,5	26 845	338-071-404-0	56X75650	54413,12	39806	26723,12	19978	RP	575650
561	*LPT FRAME*	*338-171-703-0*	*LA099539*	*49 678,5*	*26 845*	*338-171-705-0*	*LA108656*	*54413,12*	*39806*	*26723,12*	*19978*	*NR*	575650
562	No.5 BEARING SUPPORT	UNK	DB678553	UNK	UNK	340-165-903-0	DH895586	UNK	UNK	UNK	UNK	NR	575650
61X	INLET GB & No.3 BRG MODULE	9324M54G06	61X75531	49 678,5	26 845	9324M54G06	61X75531	49 678,5	26 845	5 627,85	3 841	NR	575531
611	INLET GEARBOX	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
614	No.3 BALL THRUST	2124M95P02	FBGE9115	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
619	No.3 ROLLER BEARING	1364M91P05	FCAE1703	49 678,5	26 845	1364M91P05	FCAE1703	49 678,5	26 845	5 627,85	3 841	NR	575531
62X	TRANSFER GEARBOX MODULE	338-089-601-0	62X75531	49 678,5	26 845	338-089-601-0	62X75531	49 678,5	26 845	UNK	UNK	NR	575531
623	TGB HOUSING	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531
63X	ACCESSORY GEARBOX MODULE	338-089-702-0	63X75531	49 678,5	26 845	338-089-702-0	63X75531	49 678,5	26 845	UNK	UNK	NR	575531
63A	GEARSHAFT -62 TOOTH	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	UNK	NR	575531

Chapter 7

Airworthiness Directives
Outgoing Status Report

LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

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LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE

Employee Stamp:

A
462408

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

LOCKHEED MARTIN
Commercial Engine Solutions

AIRWORTHINESS DIRECTIVE (MAR) REPORT

Customer :		Engine Type:	CFM56-5B4/P	Serviceability Date	2024-08-17
Work Order No. :		Engine Total Time:	49 678,50	Engine Shop Manual Rev#:	80
Engine Serial No.:		Engine Total Cycles:	26 845	Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
				Employee Stamp:	A 462408

Chapter 9

Units Inventory

LOCKHEED MARTIN

Ground Support Equipment :

Basic Engine Accessory Components :

Ground Support Equipment :

LOCKHEED MARTIN

Ground Support Equipment :

Ground Support Equipment :

Ground Support Equipment :

QEC Installation Hardware

LOCKHEED MARTIN

Ground Support Equipment :

LOCKHEED MARTIN

Ground Support Equipment :

LOCKHEED MARTIN

Ground Support Equipment :

Ground Support Equipment :

Ground Support Equipment :

LOCKHEED MARTIN

Ground Support Equipment :

LOCKHEED MARTIN

Ground Support Equipment :

LOCKHEED MARTIN
Commercial Engine Solutions

INVENTORY UNITS LIST

Customer:	WWTAI AIROPCO 1 BERMUDA LTD
Work Order No.:	WEN101120
Engine Serial No.:	575531

Engine Type:	CFM56-5B4/P
Engine Total Time:	49 678,50
Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

Description / Nomenclature	INCOMING			OUTGOING								
	P/N	S/N	INSTALLED Y/N	P/N	S/N	INSTALLED Y/N	TSN	CSN	TSO	CSO	Status	FROM ESN
INTEGRATED DRIVE GENERATOR	740119G	1991	Y	1706903	aab3006471	Y	43 351,50	22 301	UNK	UNK	IT	643960
HYDRAULIC PUMP	3031863-001	G0510675	Y	3031863-001	G0510675	Y	UNK	UNK	UNK	UNK	IT	575531
IP CHECK VALVE	2293B020000	10980	Y	2293B020000	10980	Y	UNK	UNK	UNK	UNK	NR	575531
HP BLEED VALVE	6773F010000	6773-14589	Y	6773F010000	6773-09157	Y	33 690,44	19 755	UNK	UNK	IT	779830
BLEED PRESSURE REGULATING VALVE	6774E010000	01493	Y	6774E010000	01493	Y	UNK	UNK	UNK	UNK	IT	575531
IDG OIL COOLER	45731-1391	YBO06465-K	Y	45731-1391	YB006465-K	Y	49 678,50	26 845	UNK	UNK	NR	575531
FUEL RETURN VALVE	D22AA1043	YY000174-N	Y	D22AA1043	YY000174-N	Y	UNK	UNK	UNK	UNK	NR	575531
FUEL PUMP	724400-2	YA008617-3	Y	724400-2	YA009476-H	Y	33 651,63	19 382	UNK	UNK	IT	643885
SERVO FUEL HEATER	45731-1382	YBO04527-K	Y	45731-1382	YBO04527-K	Y	49 678,50	26 845	UNK	UNK	IT	575531
ELECTRONIC CONTROL UNIT (ECU)	2123M56P04	LMDB4253	Y	2123M56P04	LMDB4253	Y	UNK	UNK	UNK	UNK	NR	575531
AIR TRANSIENT VALVE	3291390-4	GRTM8440	Y	3291390-4	GRTM8440	Y	20 023,50	12 160	UNK	UNK	NR	575531
T12 TEMPERATURE SENSOR	301-794-602-0	YC524552-H	Y	301-794-602-0	YC524552-H	Y	UNK	UNK	UNK	UNK	NR	575531
T25 TEMPERATURE SENSOR	RP216-00	YC056832-E	Y	RP216-00	YC056832-E	Y	49 678,50	26 845	UNK	UNK	NR	575531
HYDROMECHANICAL UNIT (HMU)	1348M79P14	WYGC5870	Y	1348M79P14	WYGC5870	Y	UNK	UNK	UNK	UNK	IT	575531
FUEL FLOW TRANSMITTER	8TJ167GHV1	GDB6749M	Y	8TJ167GHV1	GDB6749M	Y	49 678,50	26 845	UNK	UNK	IT	575531
HPTCC VALVE	329695-8	WCP3342J	Y	329695-8	WCP3342J	Y	UNK	UNK	UNK	UNK	NR	575531
LPTACC VALVE	C25175000-3	EM572111	Y	C25175000-3	EM572111	Y	UNK	UNK	UNK	UNK	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

INVENTORY UNITS LIST

Customer:	WWTAI AIROPCO 1 BERMUDA LTD
Work Order No.:	WEN101120
Engine Serial No.:	575531

Engine Type:	CFM56-5B4/P
Engine Total Time:	49 678,50
Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

Description / Nomenclature	INCOMING			OUTGOING								
	P/N	S/N	INSTALLED Y/N	P/N	S/N	INSTALLED Y/N	TSN	CSN	TSO	CSO	Status	FROM ESN
MASTER ACTUATOR BALLSCREW	121666-13	YG201113-8	Y	121666-13	YG201113-8	Y	49 678,50	26 845	UNK	UNK	NR	575531
VBV GEAR MOTOR	396800-12	YA017331-T	Y	396800-12	YA017331-T	Y	49 678,50	26 845	UNK	UNK	NR	575531
BLEED VALVE STOP MECHANISM	3282970-5	HA021058	Y	3282970-5	HA021058	Y	5 627,85	3 841	UNK	UNK	NR	575531
VSV ACTUATOR (LH)	1324M12P10	WK816	Y	1324M12P10	WK816	Y	19 125,50	11 729	UNK	UNK	NR	575531
VSV ACTUATOR (RH)	1211313-010	AJ602	Y	1211313-010	AJ602	Y	5 627,85	3 841	UNK	UNK	NR	575531
N1 SPEED SENSOR	320-557-502-0	YH596906-W	Y	320-557-502-0	YH596906-W	Y	49 678,50	26 845	UNK	UNK	IT	575531
N2 SPEED SENSOR	320-549-004-0	YJ195431-P	Y	320-549-004-0	YJ195431-P	Y	49 678,50	26 845	UNK	UNK	NR	575531
COUPLING EGT	CA172-02	YC166968-4	Y	CA172-02	YC166968-4	Y	UNK	UNK	UNK	UNK	IT	575531
LUBRICATION UNIT	337-075-105-0	10451	Y	337-075-105-0	10451	Y	49 678,50	26 845	UNK	UNK	NR	575531
OIL FUEL HEAT EXCHANGER	11-841193-4	YY081916-7	Y	11-841193-4	YY081916-7	Y	49 678,50	26 845	UNK	UNK	IT	575531
STARTER VALVE	3291556-2	109	Y	3291556-2	109	Y	UNK	UNK	UNK	UNK	NR	575531
ANTI ICE VALVE	327155-3	3203B	Y	327155-3	6435B	Y	UNK	UNK	UNK	UNK	IT	643246
AIR STARTER	3505582-27	YG439206-U	Y	3505582-27	YG439206-U	Y	UNK	UNK	UNK	UNK	IT	575531
AFT ENGINE MOUNT	642-2300-11	P2259	Y	642-2300-11	6142P	Y	UNK	UNK	UNK	UNK	IT	643959
FWD ENGINE MOUNT	642M2000-501	P2848	Y	642-2000-25	6860P/P	Y	UNK	UNK	UNK	UNK	IT	643959
DIFF. PRESSURE SWITCH	45D31	2680	Y	45D31	2680	Y	UNK	UNK	UNK	UNK	NR	575531
OIL QUANTITY TRANSMITTER	74-110-1	AAE0999	Y	74-110-1	AAE0999	Y	19 125,50	11 729	UNK	UNK	NR	575531

LOCKHEED MARTIN
Commercial Engine Solutions

INVENTORY UNITS LIST

Customer:	WWTAI AIROPCO 1 BERMUDA LTD
Work Order No.:	WEN101120
Engine Serial No.:	575531

Engine Type:	CFM56-5B4/P
Engine Total Time:	49 678,50
Engine Total Cycles:	26 845

Serviceability Date:	2024-08-17
Engine Shop Manual Rev#:	80
Report Prepared By:	P.CHAREST/J.CHARLAND-LEFEBVRE
Employee Stamp:	A 462408

Revision No.: 00

Description / Nomenclature	INCOMING			OUTGOING								
	P/N	S/N	INSTALLED Y/N	P/N	S/N	INSTALLED Y/N	TSN	CSN	TSO	CSO	Status	FROM ESN
VBV POSITION SENSOR	VG22-01	YY031768-R	Y	VG22-01	YY031768-R	Y	49 678,50	26 845	UNK	UNK	NR	575531
FILTER FUEL NOZZLE	301-807-203-0	YY017173-4	Y	301-807-203-0	YY017173-4	Y	49 678,50	26 845	UNK	UNK	IT	575531
OIL TEMPERATURE TRANSMITTER	41SG381-1	C033604	Y	41SG381-1	C033604	Y	UNK	UNK	UNK	UNK	NR	575531
STATOR ALTERNATOR	510846-1	GJB06997	Y	510846-1	GJB06997	Y	19 125,50	11 729	UNK	UNK	NR	575531
ROTOR ALTERNATOR	2123M62P01	GJB06162	Y	2123M62P01	GJB06162	Y	19 125,50	11 729	UNK	UNK	NR	575531
EXCITER IGNITION	9238M66P08	E6987	Y	9238M66P08	E6987	Y	UNK	UNK	UNK	UNK	NR	575531
EXCITER IGNITION	9238M66P08	UNJG2248	Y	9238M66P08	UNJG2248	Y	49 678,50	26 845	UNK	UNK	NR	575531
OIL TANK	24F5202	YT096647-8	Y	24F5202	YT096647-8	Y	49 678,50	26 845	UNK	UNK	NR	575531

Chapter 10

Performance Summary

LOCKHEED MARTIN
Commercial Engine Solutions

LMCES TEST FACILITY
TEST CELL No 2

AMO 34/12

PERFORMANCE SUMMARY
CFM56-5B ENGINE

ENGINE TESTED TO CFMI TESTING
72-00-00

ENGINE No/EVENT: WW531 A
TEST DATE: 2024-08-14
SERIAL No: 575531
CUSTOMER: WWTAI AIROPCO 1 BERMUDA LTD
TEST No: 002,003,009
W/O: WEN101120

CFM56-5B ESM REFERENCE: CFMI-TP-SM.9
CFM56-5B ESM REV: 80
CFMI LIMITS ONLY: Yes

CFM56-5-B3
OIL CONSUMPTION: 0.12 LTR/HR
REPAIR STANDARD: 1
ECU INSTALLED: P04
PMUX Y/N: Yes

PERFORMANCE DECLARATION

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	WF pph	SFC	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B3	5053	32904	14707	12948	0.3849	888.4	-8	14977	950.5	-13
MAX CONT B3	4762	30170	14478	11199	0.3662	841.2	22	14650	882.0	19

RATING	EPR
TAKE OFF B3	5.360
MAX CONT B3	4.763

PERFORMANCE DECLARATION WITH N1 MODIFIER

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	N1 MODIFIER LEVEL	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B3	5000	32404	14666	4	878.3	2	14936	940.5	-3
MAX CONT B3	4721	30170	14440		833.2	30	14613	874.0	27

WORKSCOPE HOT DAY T/O EGT MARGIN	
TAKE OFF B3	12 °C

PERFORMANCE LIMITS

POWER SETTING	BAND	STANDARD DAY ISA 15 °C FN lbs	* SFC	N2 rpm	EGT °C	HOT DAY °C	N2 rpm	EGT °C
TO (B3) 5053	MAX		0.34	14809	880	30	15100	937
	MIN	32000						
MCO (B3) 4762	MAX		0.334		863	25		901
	MIN	29090						

*SFC IS FOR REFERENCE ONLY.

LEAD/AUTH. MECH signature / Employee No: Michel Cuerrier KACM A10822

DATE: 2024 (YY) 08 (MM) 15 (DD)

LOCKHEED MARTIN
Commercial Engine Solutions

LMCES TEST FACILITY
TEST CELL No 2

AMO 34/12

PERFORMANCE SUMMARY
CFM56-5B ENGINE

ENGINE TESTED TO CFMI TESTING 72-00-00

ENGINE No/EVENT: WW531 A
TEST DATE: 2024-08-14
SERIAL No: 575531
CUSTOMER: WWTAI AIROPCO 1 BERMUDA LTD
TEST No: 002,003,009
W/O: WEN101120

CFM56-5B ESM REFERENCE: CFMI-TP-SM.9
CFM56-5B ESM REV: 80
CFMI LIMITS ONLY: Yes

CFM56-5-B4
OIL CONSUMPTION: 0.12 LTR/HR
REPAIR STANDARD: 1
ECU INSTALLED: P04
PMUX Y/N: Yes

PERFORMANCE DECLARATION

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	WF pph	SFC	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B4	4578	27754	14320	10017	0.3589	799.1	30	14837	916.9	22
MAX CONT B4	4405	25172	14113	8888	0.3514	758.2	66	14320	794.6	65

RATING	EPR
TAKE OFF B4	4.396
MAX CONT B4	4.030

PERFORMANCE DECLARATION WITH N1 MODIFIER

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	N1 MODIFIER LEVEL	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B4	4557	27347	14290	3	793.3	36	14807	911.1	28
MAX CONT B4	4383	25172	14080		753.2	71	14287	789.6	70

WORKSCOPE HOT DAY T/O EGT MARGIN	
TAKE OFF B4	43 °C

PERFORMANCE LIMITS

POWER SETTING	BAND	STANDARD DAY ISA 15 °C FN lbs	* SFC	N2 rpm	EGT °C	HOT DAY °C	N2 rpm	EGT °C
TO (B4) 4578	MAX		0.34	14459	829	45	15018	939
	MIN	27010						
MCO (B4) 4405	MAX		0.334		824	25		860
	MIN	24375						

*SFC IS FOR REFERENCE ONLY.

LEAD/AUTH. MECH signature / Employee No: Michael Cenier KACM A10822

DATE: 2024 (YY) 08 (MM) 15 (DD)

LOCKHEED MARTIN
Commercial Engine Solutions

PERFORMANCE SUMMARY AMO 34/12
CFM56-5B ENGINE CALCULATED DATA

TEST DATE: 2024-08-14

ENGINE No/EVENT: WW531 A
BELLMOUTH S/N: 9
REASON FOR REMOVAL: LEASE RETURN
BELLMOUTH AREA 3090.89 SQ.IN
W/O: WEN101120
OIL TYPE: ENGINE MJII
WORK DONE PRIOR TO TEST: NO GAZ PATH WORK
FAN NOZZLE AREA: 462.1 SQ.IN
TESTED WITH QEC: Yes
STARTER: MJII
TYPE OF TEST: TEST AFTER REPAIR
CORE NOZZLE AREA: 1604 SQ.IN
REPAIR STANDARD: 1
IDG: MJII
SERIAL No: 575531
HPT A41 NOZZLE AREA: 32.06 SQ.IN

PARAMETERS	MAX CONT B3					TAKE OFF B3					MAX CONT B4					TAKE OFF B4				
	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3
N1 rpm	4872	4761				5164	5048				4513	4408				4691	4583			
N2 rpm	14744	14471	14471	14470	14478	14983	14706	14694	14693	14707	14410	14111	14114	14111	14113	14587	14318	14321	14318	14320
FN lbs	28928	29100	29822	30064	30170	31703	31898	32467	32746	32904	23977	24107	24973	25151	25172	26507	26657	27520	27728	27754
P495/PT2 (EPR)	4.76		4.76			5.36		5.36			4.03		4.03			4.40		4.40		
T495 °C	894.5	845.2	840.1	839.6	841.2	946.4	894.2	894.2	885.2	888.4	804.0	761.4	758.6	757.9	758.2	848.0	802.2	802.2	798.7	799.1
WF pph	11463	11252	11106	11141	11199	13288	13056	12793	12843	12948	9064	8902	8860	8880	8888	10228	10038	9980	10005	10017
TT2 °C	26.93					26.95					26.80					26.87				
DEW °C	18.70					18.58					18.85					18.77				
REL. HUM. %	60.72					60.20					61.76					61.18				
HUMIDITY grs/lb	95.14					94.41					96.05					95.54				
BARO IN HGA	29.817					29.821					29.823					29.820				
PT2 IN HGA	29.7497					29.7436					29.7667					29.7587				
LHV BTU	18563					18563					18563					18563				
T3/TT2	2.898					3.001					2.766					2.834				
PS3/PT2	29.87					33.25					25.59					27.73				
PS3/P495	6.270					6.202					6.348					6.308				
PT495/PT54	4.719					5.294					4.011					4.366				
PT54/PT2	1.01					1.01					1.01					1.01				

LOCKHEED MARTIN
Commercial Engine Solutions

LMCES TEST FACILITY
TEST CELL No 2

AMO 34/12

PERFORMANCE SUMMARY
CFM56-5B ENGINE

ENGINE TESTED TO CFMI TESTING 72-00-00

CFM56-5B ESM REFERENCE: CFMI-TP-SM.9

CFM56-5B ESM REV: 80

CFMI LIMITS ONLY: Yes

ENGINE No/EVENT: WW531 A

SERIAL No: 575531

CUSTOMER: WWTAI AIROPCO 1 BERMUDA LTD

TEST No: 002,003,009

TEST DATE: 2024-08-14

W/O: WEN101120

CFM56-5-B5

OIL CONSUMPTION: 0.12 LTR/HR

REPAIR STANDARD: 1

ECU INSTALLED: P04

PMUX Y/N: Yes

PERFORMANCE DECLARATION

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	WF pph	SFC	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B5	4241	22804	13914	7892	0.3443	721.0	89	14497	856.2	59
MAX CONT B5	4102	20930	13769	7152	0.3405	694.3	98	13988	727.6	98

RATING	EPR
TAKE OFF B5	3.709
MAX CONT B5	3.447

PERFORMANCE DECLARATION WITH N1 MODIFIER

POWER SETTING	BAND N1 rpm	STANDARD DAY FN lbs	N2 rpm	N1 MODIFIER LEVEL	EGT °C	ΔEGT °C	HOT DAY N2 rpm	EGT °C	ΔEGT °C
TAKE OFF B5	4211	22352	13877	5	714.8	95	14460	850.0	65
MAX CONT B5	4069	20931	13736		689.3	103	13955	722.6	103

WORKSCOPE HOT DAY T/O EGT MARGIN	
TAKE OFF B5	80 °C

PERFORMANCE LIMITS

POWER SETTING	BAND	STANDARD DAY ISA 15 °C FN lbs	* SFC	N2 rpm	EGT °C	HOT DAY °C	N2 rpm	EGT °C
TO (B5) 4241	MAX		0.34	14261	810	45	14779	915
	MIN	22025						
MCO (B5) 4102	MAX		0.334		792	25		826
	MIN	20285						

*SFC IS FOR REFERENCE ONLY.

LEAD/AUTH. MECH signature / Employee No: Michel Cuerin KACM A10822

DATE: 2024, 08, 15 (YY MM DD)

LOCKHEED MARTIN
Commercial Engine Solutions

PERFORMANCE SUMMARY AMO 34/12

CFM56-5B ENGINE CALCULATED DATA

TEST DATE: 2024-08-14

ENGINE No/EVENT: WW531 A

BELLMOUTH S/N: 9

REASON FOR REMOVAL: LEASE RETURN

BELLMOUTH AREA: 3090.89 SQ.IN

W/O: WEN101120

OIL TYPE: ENGINE MJII

WORK DONE PRIOR TO TEST: NO GAZ PATH WORK

FAN NOZZLE AREA: 462.1 SQ.IN

TESTED WITH QEC: Yes

STARTER: MJII

TYPE OF TEST: TEST AFTER REPAIR

CORE NOZZLE AREA: 1604 SQ.IN

REPAIR STANDARD: 1

IDG: MJII

SERIAL No: 575531

HPT A41 NOZZLE AREA: 32.06 SQ.IN

PARAMETERS	MAX CONT B5					TAKE OFF B5					MAX CONT B6					TAKE OFF B6				
	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3	OBS.	CORR.	K1	K2	K3
N1 rpm	4197	4100				4343	4243													
N2 rpm	14078	13769	13767	13764	13769	14227	13914	13914	13912	13914										
FN lbs	19919	20018	20742	20873	20930	21735	21850	22628	22778	22804										
P495/PT2 (EPR)	3.45		3.45			3.71		3.71												
T495 °C	736.2	698.6	694.2	693.6	694.3	765.0	725.5	725.5	720.7	721.0										
WF pph	7304	7183	7120	7130	7152	8066	7930	7868	7882	7892										
TT2 °C	26.50					26.57														
DEW °C	18.99					19.00														
REL. HUM. %	63.43					63.20														
HUMIDITY grs/lb	96.88					96.96														
BARO IN HGA	29.826					29.821														
PT2 IN HGA	29.7795					29.7700														
LHV BTU	18563					18563														
T3/TT2	2.646					2.703														
PS3/PT2	22.04					23.63														
PS3/P495	6.390					6.369														
PT495/PT54	3.438					3.695														
PT54/PT2	1.00					1.00														

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LMCES TEST FACILITY
TEST CELL No 2

AMO 34/12

CFM56-5B ESM REFERENCE: CFMI-TP-SM.9

CFM56-5B ESM REV: 80

PERFORMANCE SUMMARY
CFM56-5B ENGINE

ENGINE TESTED TO CFMI TESTING
72-00-00

CFMI LIMITS ONLY: Yes

ENGINE No/EVENT: WW531 A

SERIAL No: 575531

CUSTOMER: WWTAI AIROPCO 1 BERMUDA LTD

TEST No: 002,003,009

TEST DATE: 2024-08-14

W/O: WEN101120

*****UNIT CHECK*****

Date/Time of testing	Test step	Comment
2024-08-15 10:34	Test1	Test Preparation completed and authorized.
2024-08-15 10:52	Test2	Test Motoring completed and authorized.
2024-08-15 11:20	Test3	Test Initial leakcheck completed and authorized.
2024-08-15 15:31	Test5	Test Functional check completed and authorized.
2024-08-15 15:46	Test7	Test Acceleration check completed and authorized.
2024-08-15 16:31	Test6	Test Vibration survey completed and authorized.
2024-08-15 19:47	Test8	Test Performance completed and authorized.
2024-08-15 20:34	FinalLeakCheck1	There are no fuel leaks
2024-08-15 20:34	FinalLeakCheck2	There are no oil leaks
2024-08-15 20:35	Test9	Test Final leak check completed and authorized.
2024-08-15 20:45	Perf_P	Engine tested as 5B/P
2024-08-15 20:45	AUTOSTART_A	Auto Start channel A operation OK
2024-08-15 20:45	AUTOSTART_B	Auto Start channel B operation OK
2024-08-15 20:45	LowOilPres	Low Oil pressure indication OK
2024-08-15 20:45	BOTHIGNIT	Both Ignitors operation OK
2024-08-15 20:45	A_IGNIT	Ignitor A operation OK
2024-08-15 20:45	B_IGNIT	Ignitor B operation OK
2024-08-15 20:45	MCDCHECK	Magnetic Chip Detectors OK
2024-08-15 20:45	OILLEVEL	Oil Levels OK
2024-08-15 20:45	FUELINHIB	Engine was preserved as 30 - 365 days operable
2024-08-15 20:46	COMP	Engine had a compressor wash
2024-08-15 20:46	NO4ANA	No4 brg analysis accomplished
2024-08-15 20:46	OILTANK	Oil Tank was drained
2024-08-15 20:46	OILGB	Main Gearbox was drained
2024-08-15 20:46	OILSTART	Starter was drained
		Trim balance performed
		Weight installed P/N 9111M35P05 Hole 11
		Weight installed P/N 9111M35P04 Hole 13

ENGINE RUN TIME: 3 HRS 30 MIN

FUEL USED: 7381 LTRS

OIL USED: 25 LTRS

INHIBITING OIL: 1 LTRS

LOCKHEED MARTIN
Commercial Engine Solutions

LMCES TEST FACILITY
TEST CELL No 2

AMO 34/12

PERFORMANCE SUMMARY
CFM56-5B ENGINE

ENGINE TESTED TO CFMI TESTING
72-00-00

CFM56-5B ESM REFERENCE: CFMI-TP-SM.9

CFM56-5B ESM REV: 80

CFMI LIMITS ONLY: Yes

ENGINE No/EVENT: WW531 A

SERIAL No: 575531

CUSTOMER: WWTAI AIROPCO 1 BERMUDA LTD

TEST No: 002,003,009

TEST DATE: 2024-08-14

W/O: WEN101120

*****VIBRATION SURVEY*****

	MAX. Internal Brg		N1 @ MAX.		MAX. Internal Brg		N2 @ MAX.		MAX. ALT		N1 @ MAX.		MAX. ALT		N2 @ MAX.		MAX. TRF		N1 @ MAX.		MAX. TRF		N2 @ MAX.	
MAX. VIB. ACCEL.	1.59	mils	3510	rpm	0.34	ips	14087	rpm		mils		rpm		ips		rpm	0.83	mils	5161	rpm	0.28	ips	9434	rpm
S.S.ACC		mils		rpm		ips		rpm										mils		rpm		ips		rpm
MAX. VIB. DECEL.	1.67	mils	3623	rpm	0.69	ips	12603	rpm		mils		rpm		ips		rpm	0.49	mils	2712	rpm	0.06	ips	12822	rpm
S.S.DECEL		mils		rpm		ips		rpm										mils		rpm		ips		rpm

START FUEL FLOW: 527 pph

MAX.Start EGT: 447.0 °C

SG: 0.807

ACCELERATION TIME: 4.48 sec

TIME TO LIGHT : 5.00 sec

TIME TO IDLE (CORRECTED): 23.65 sec

N1 @ G/IDLE: 986 rpm

OIL PRESSURE @ G/I: 54.30 psid

OIL PRESSURE @ TAKE OFF: 51.95 psid

N2 @ G/IDLE: 9015 rpm

Chapter 11

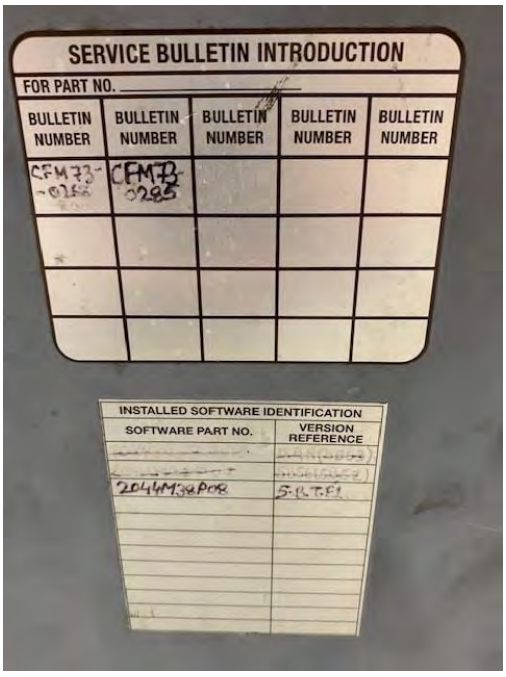
Borescope Report

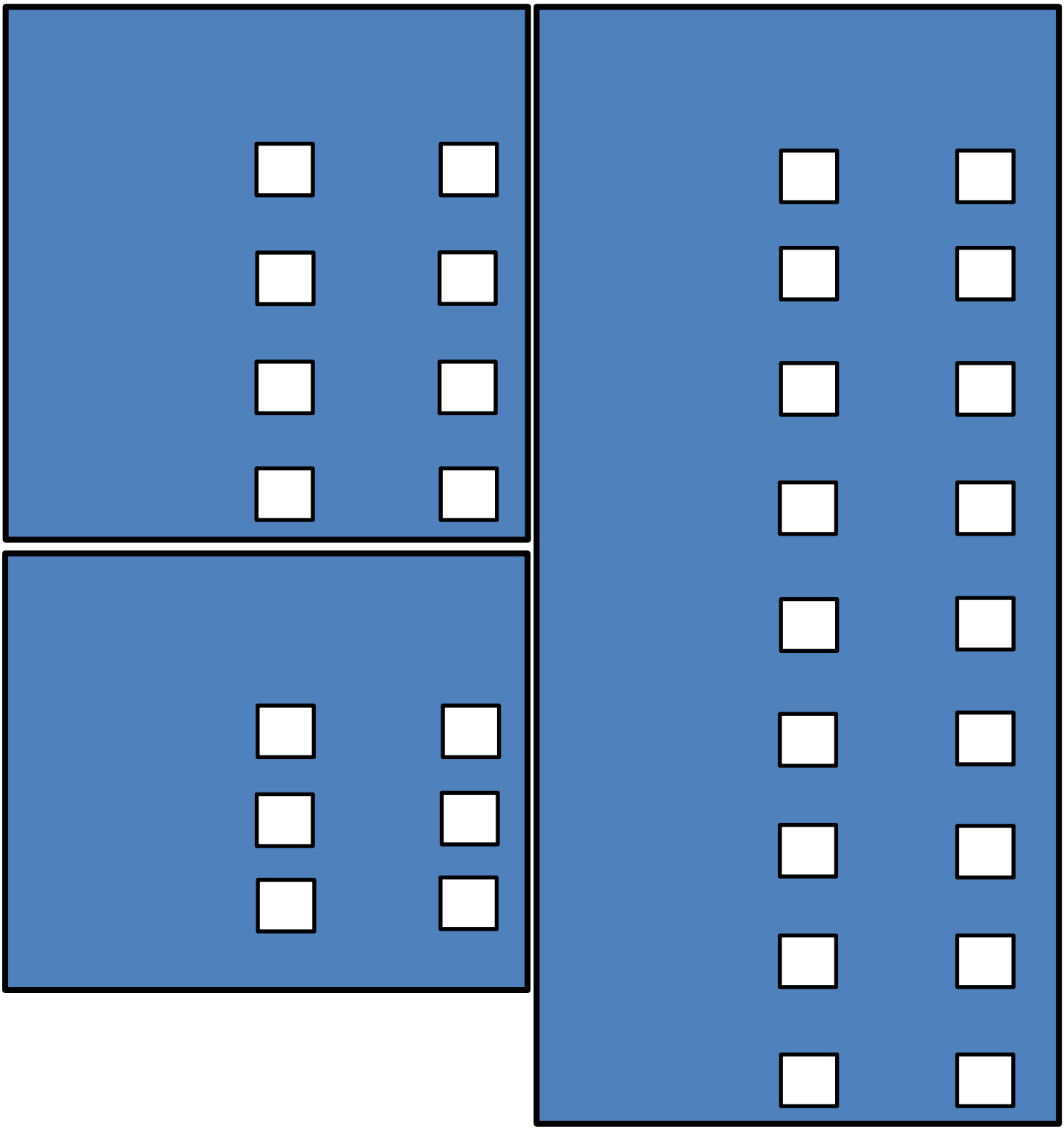
LOCKHEED MARTIN

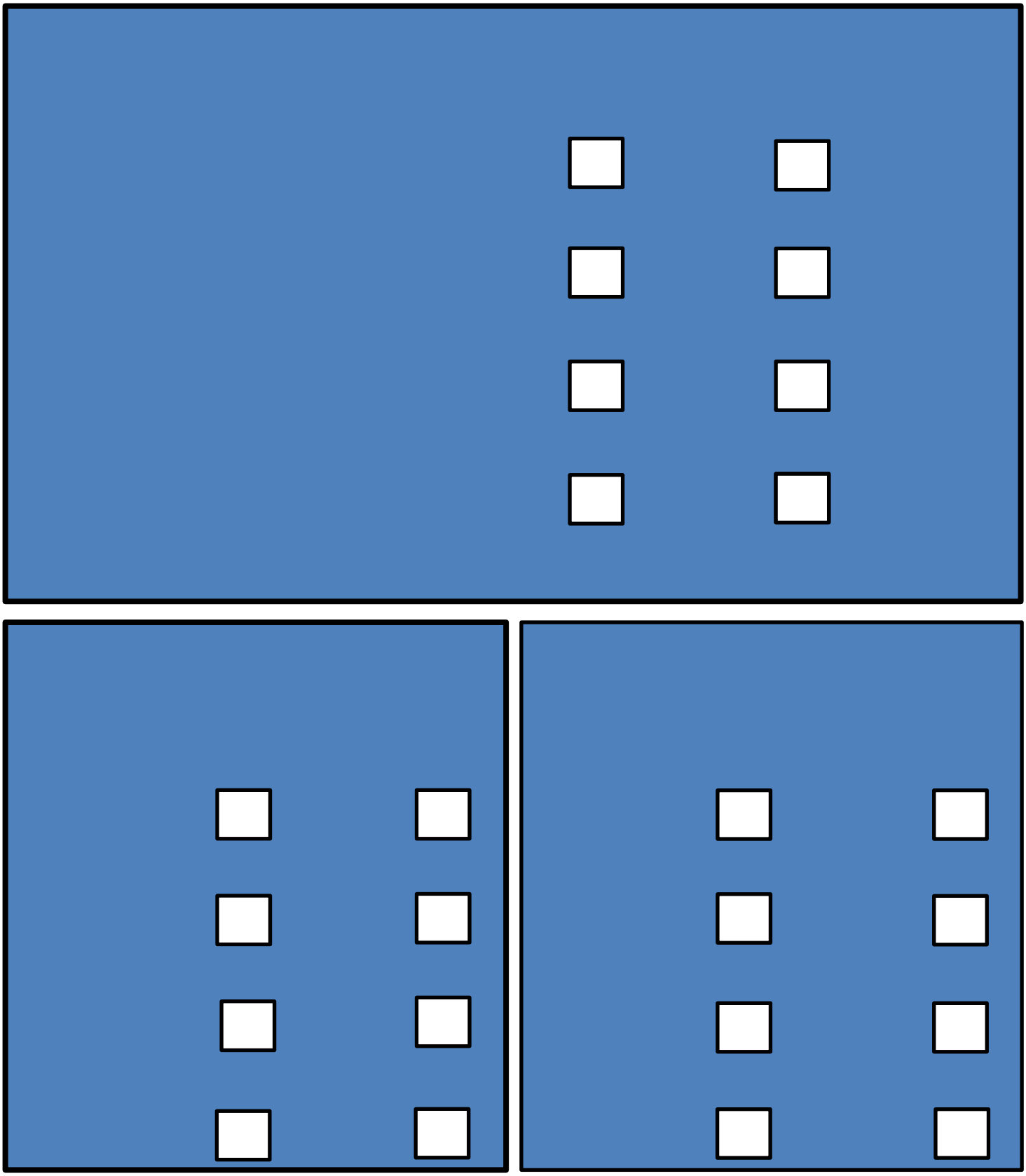
Commercial Engine Solutions

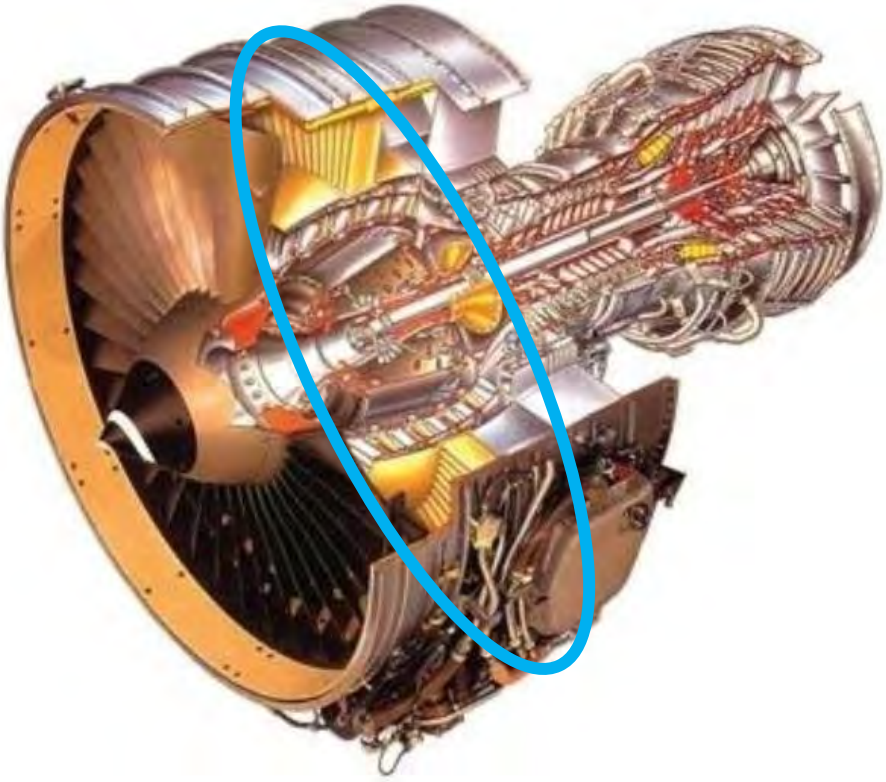
Issue date :

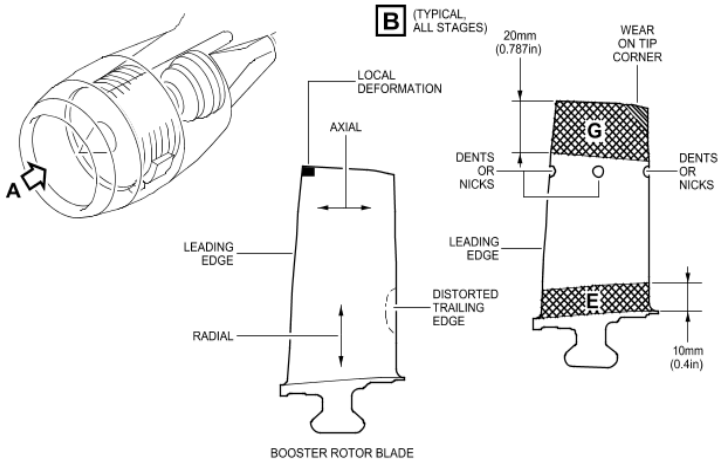

CFM INTERNATIONAL
TURBOREACTEUR CFM56 TURBOFAN
M17
E3BNE
FAA
TC N°
FAA
PRODUCTION
575531
SERIAL N°
MODEL CONFIGURATION IDENTIFIED BELOW
CONFIG
POUSSEE MAX CONT (daN)
TAKE OFF THRUST (lb)
MAX CONT THRUST (lb)
N1 TRIM
-5B4/P
10840
27000
24370
5
-5B4/P
10840
27000
24370
7
3
MFD BY
FAB PAR
COMPLY
DATE
10/02

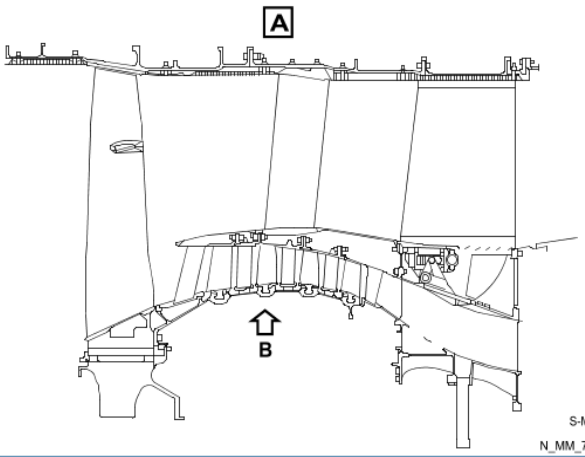

SERVICE BULLETIN INTRODUCTION
FOR PART NO.
BULLETIN NUMBER
BULLETIN NUMBER
BULLETIN NUMBER
BULLETIN NUMBER
BULLETIN NUMBER
CFM73-0256
CFMB-0285
INSTALLED SOFTWARE IDENTIFICATION
SOFTWARE PART NO.
VERSION REFERENCE
2044M56P08
5.1.1.F1











S-M56-MM-02587-01-C

N_MM_722100_6_RGM0_01_01

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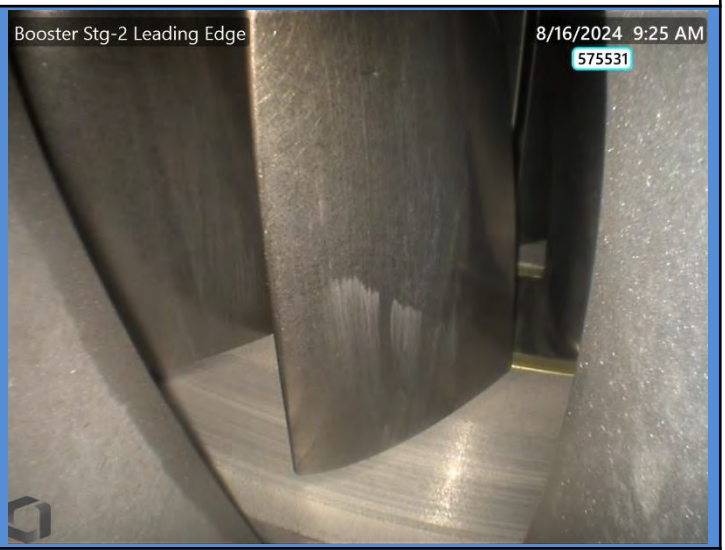

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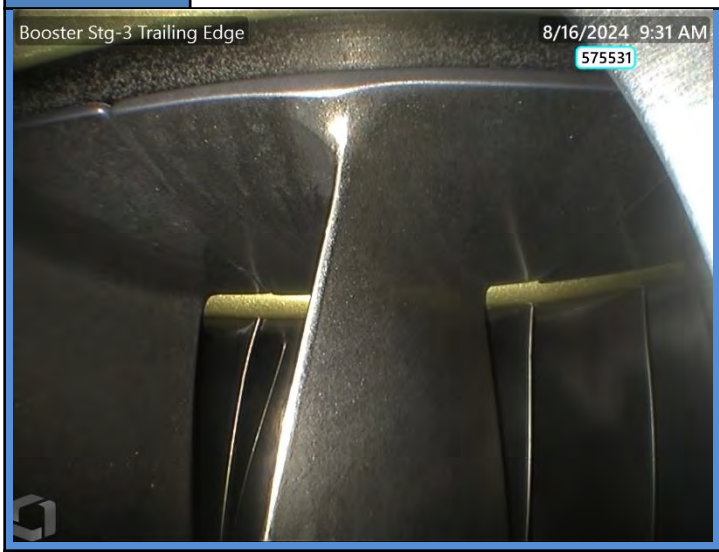
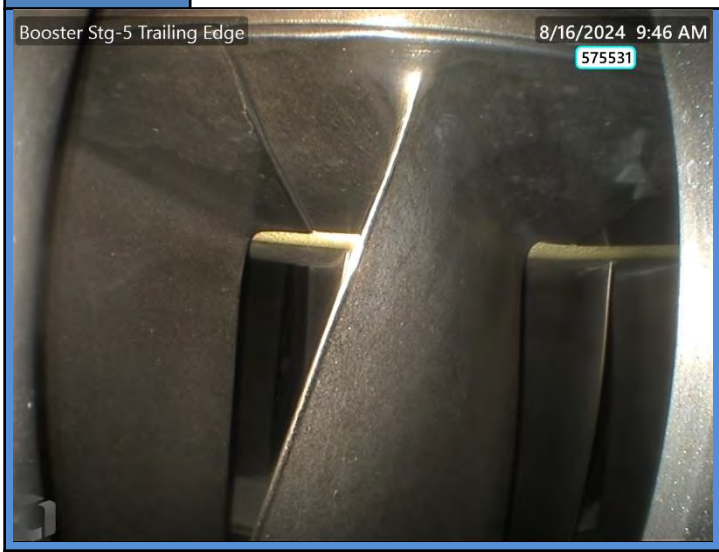
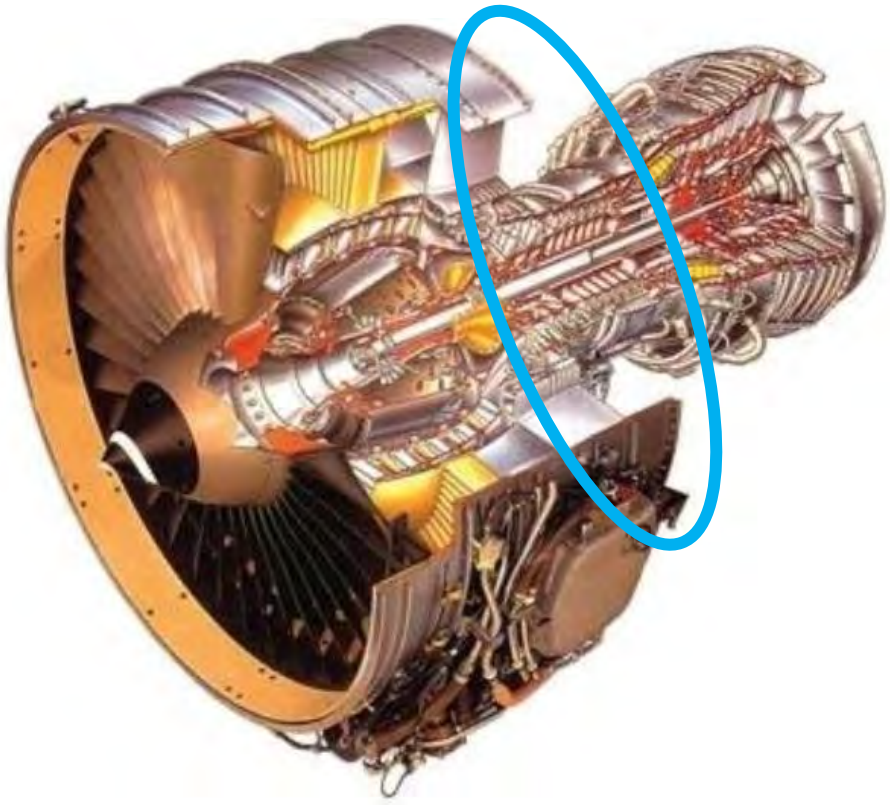
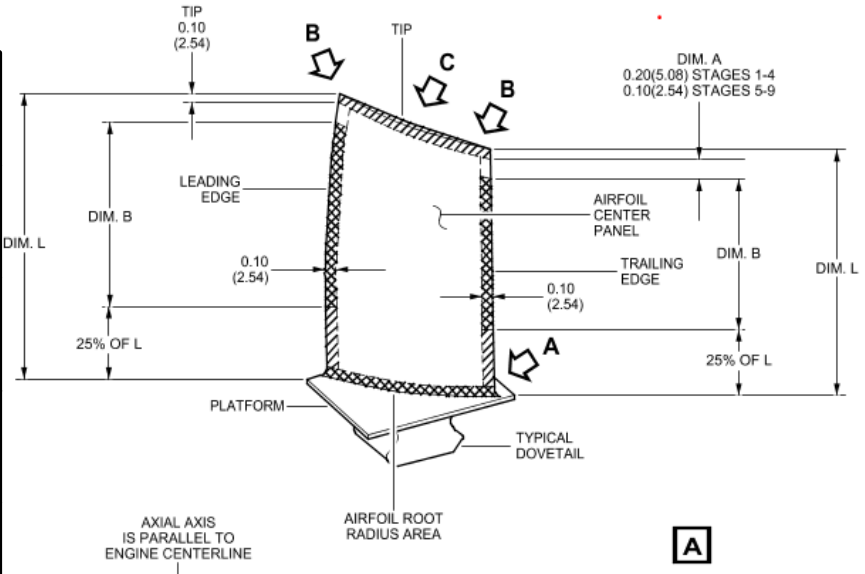


Finding	
Reference	

Finding	
Reference	

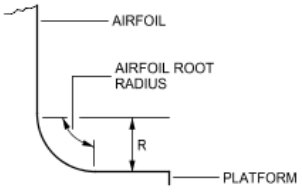






REFERENCE DIMENSIONS ONLY

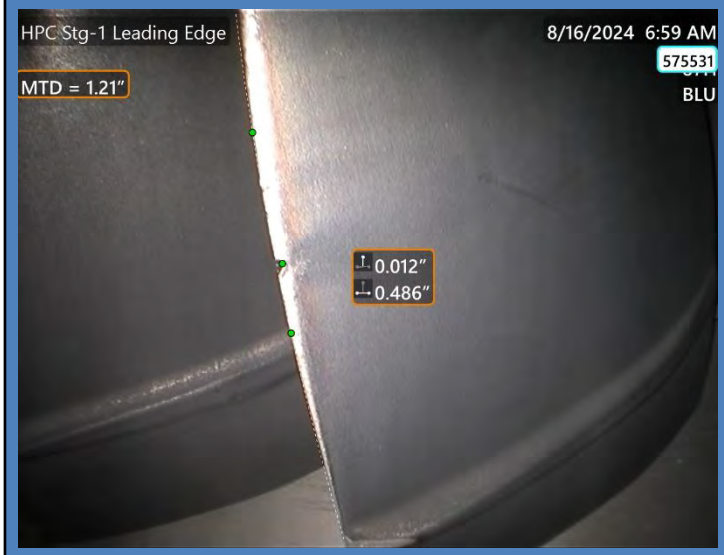
STAGE	DIM. R	25% OF L
1	0.14 (3.6)	0.8 (20.3)
2	0.14 (3.6)	0.6 (15.2)
3	0.12 (3.0)	0.5 (12.7)
4	0.10 (2.5)	0.5 (12.7)
5	0.10 (2.5)	0.4 (10.2)
6	0.09 (2.3)	0.3 (7.6)
7	0.09 (2.3)	0.3 (7.6)
8	0.09 (2.3)	0.3 (7.6)
9	0.09 (2.3)	0.3 (7.6)

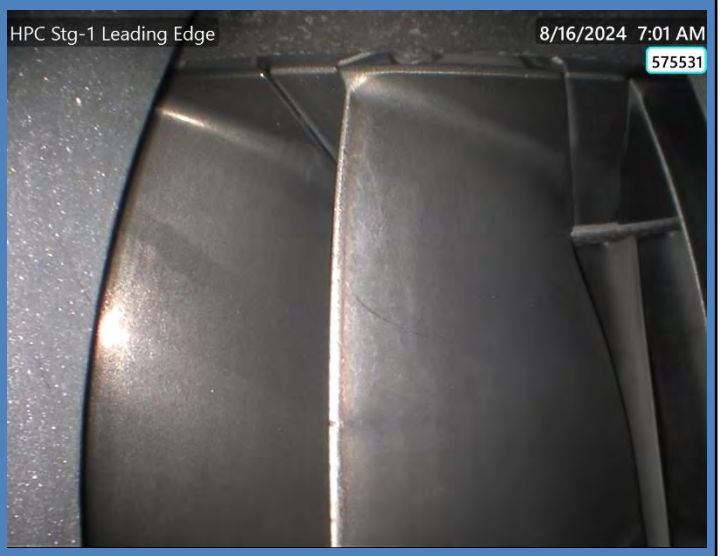


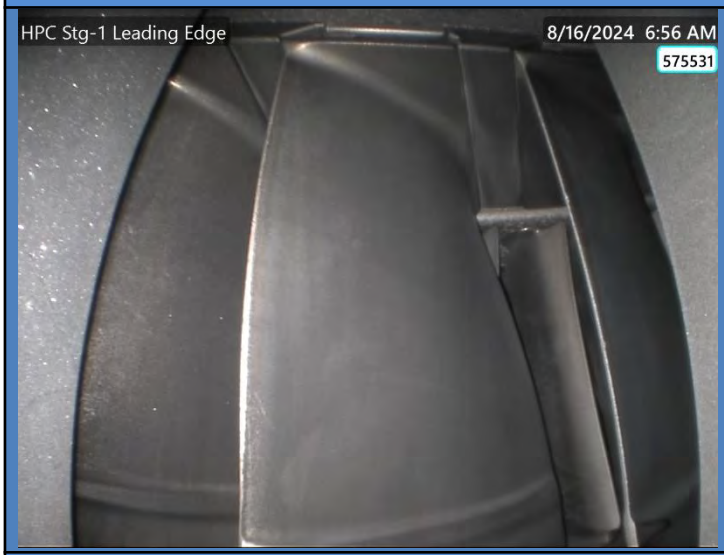
Stages 1-4 compressor blades:

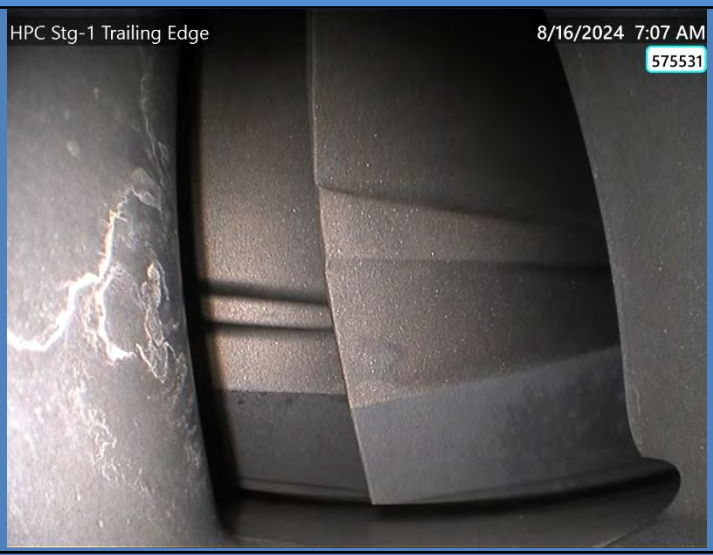
Dents on the leading or trailing edge found in Dim. B

-Any amount if the damage is less than 0.04 in. (1.0 mm) in depth and up to 0.06 in. (1.5 mm) deflection from the original contour









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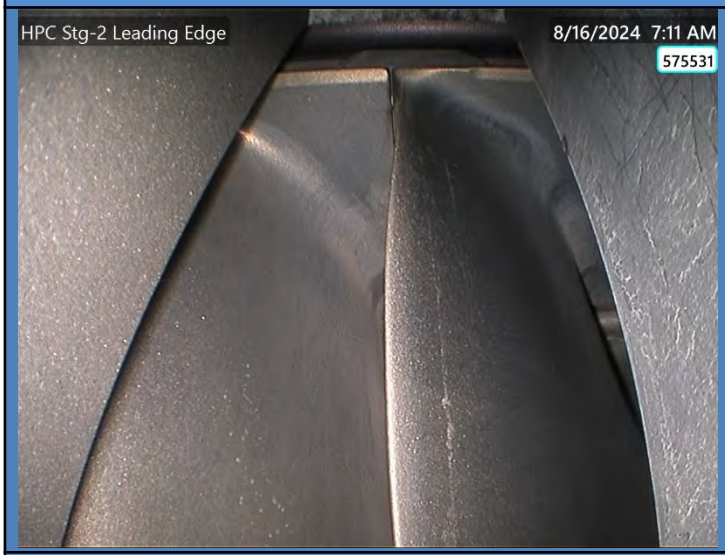
	_____
	Stages 1-4 compressor blades: Dents on the leading or trailing edge found in Dim. B -Any amount if the damage is less than 0.04 in. (1.0 mm) in depth and up to 0.06 in. (1.5 mm) deflection from the original contour



Finding	
Reference	

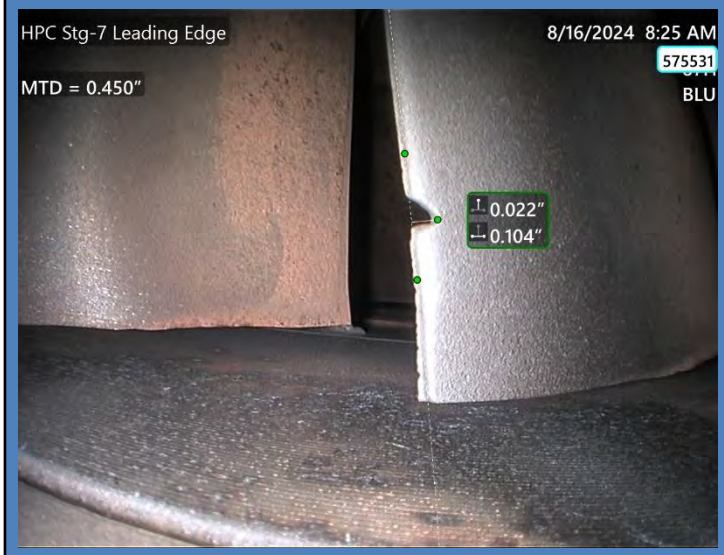
Finding	
Reference	

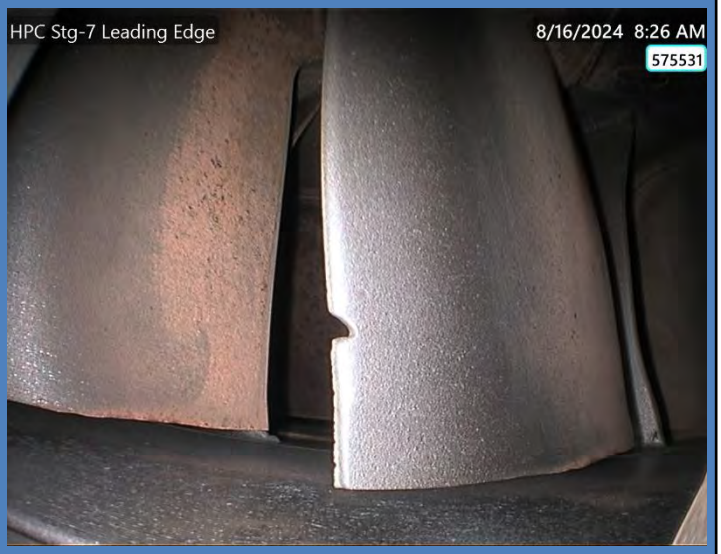
Finding	
Reference	

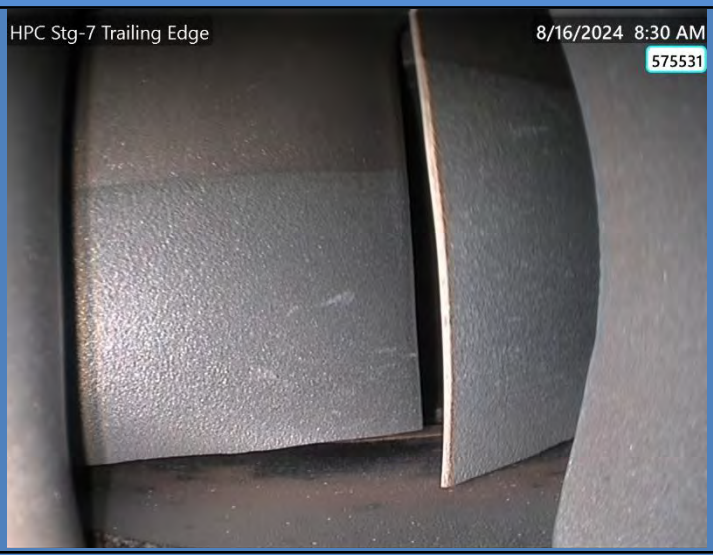
Finding	
Reference	

Stages 5-9 compressor blades:
Nicks, dents and tears on the leading and trailing edge found in Dim. A

-Any number is serviceable if the damage is less than 0.15 in. (3.8 mm) in depth

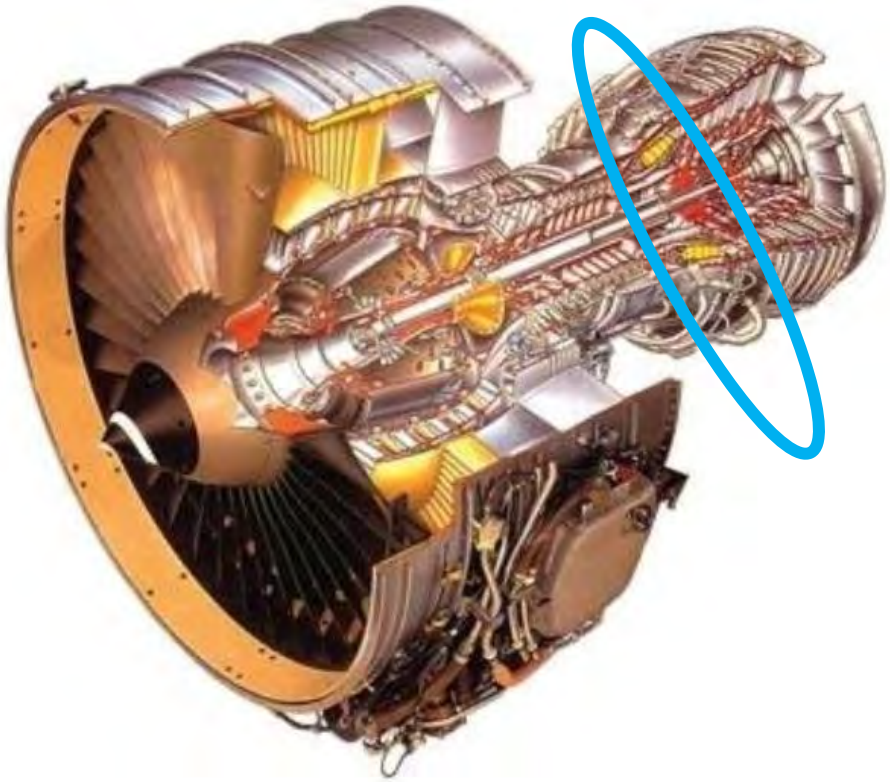


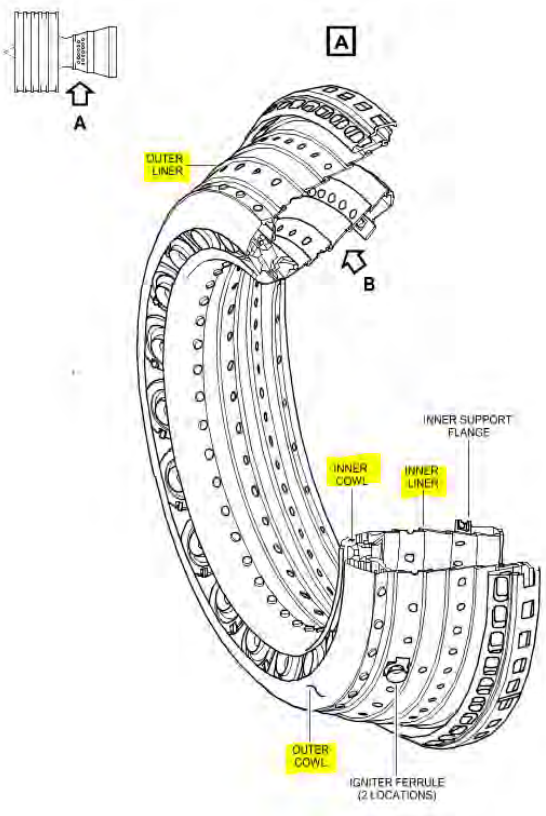


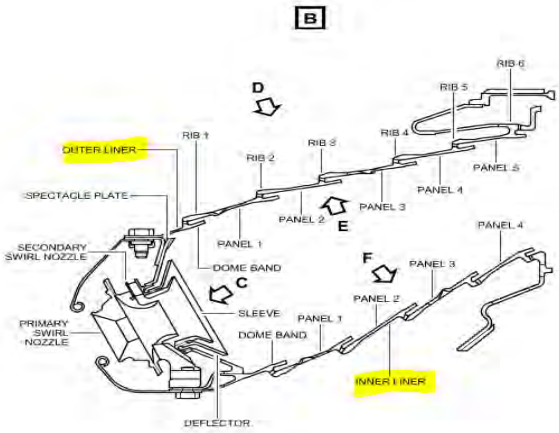


Finding	
Reference	

Finding	
Reference	




A
A
OUTER LINER
B
INNER SUPPORT FLANGE
INNER COWL
INNER LINER
OUTER COWL
IGNITER FERRULE (2 LOCATIONS)


B
D
RIB 6
RIB 5
RIB 4
RIB 3
RIB 2
RIB 1
OUTER LINER
SPECTACLE PLATE
SECONDARY SWIRL NOZZLE
PRIMARY SWIRL NOZZLE
PANEL 5
PANEL 4
PANEL 3
PANEL 2
PANEL 1
E
F
C
DOME BAND
SLEEVE
INNER LINER
DEFLECTOR

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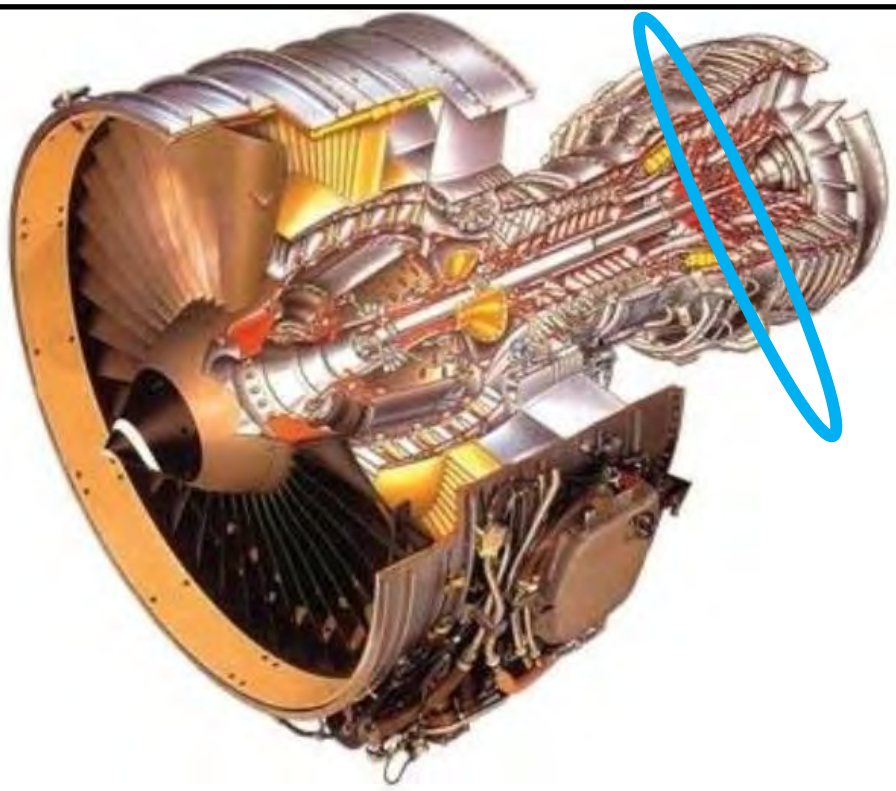
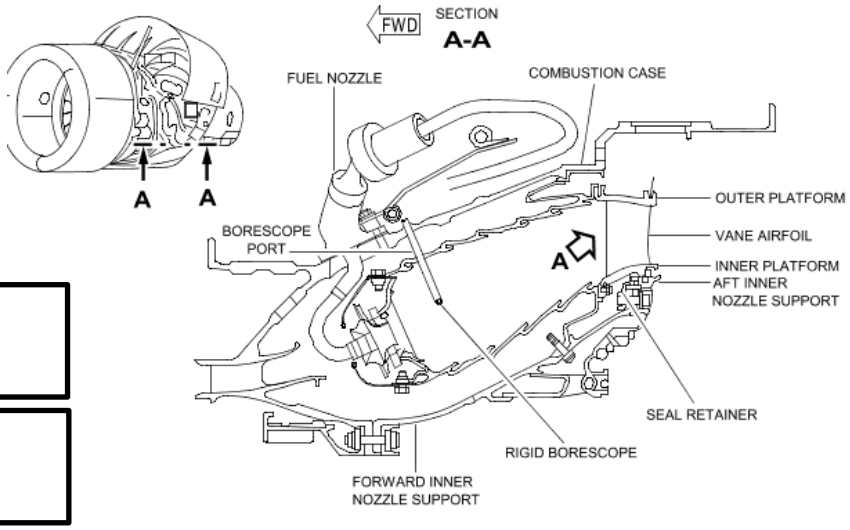
Outer liner axial cracks

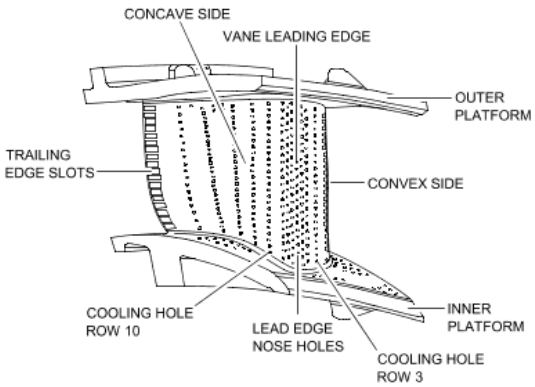
-Any number across 1 Panel or less and up to 4 cracks across more than 1 panel but not longer than 3 panels.

Finding	
Reference	

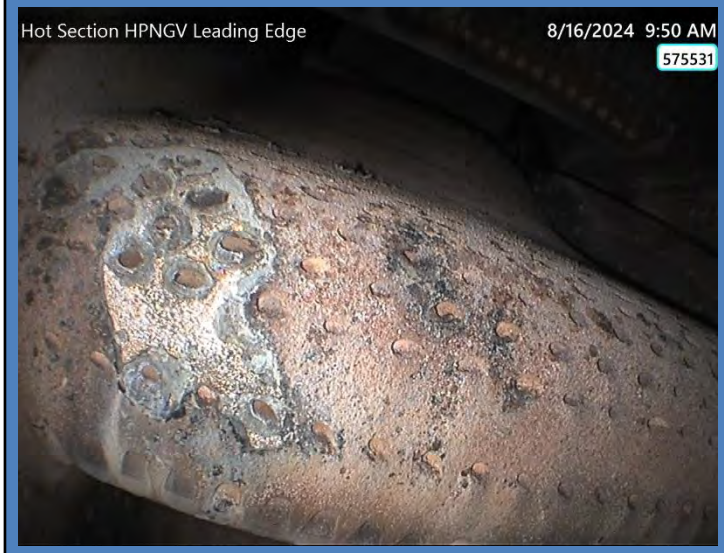
Finding	
Reference	

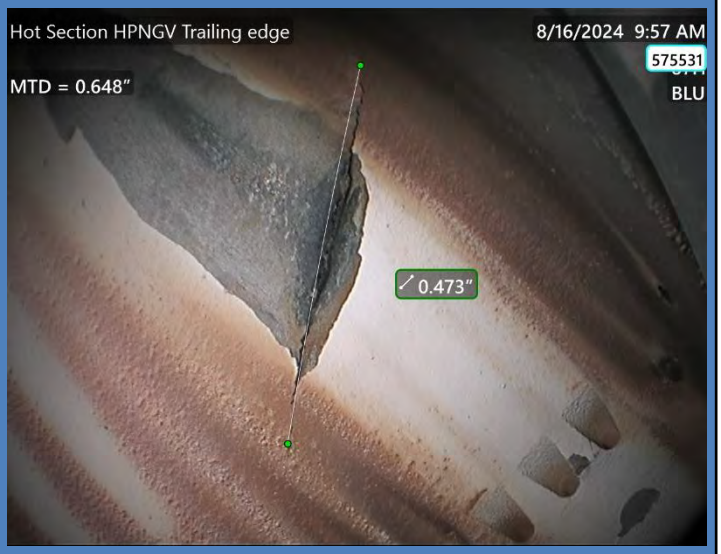


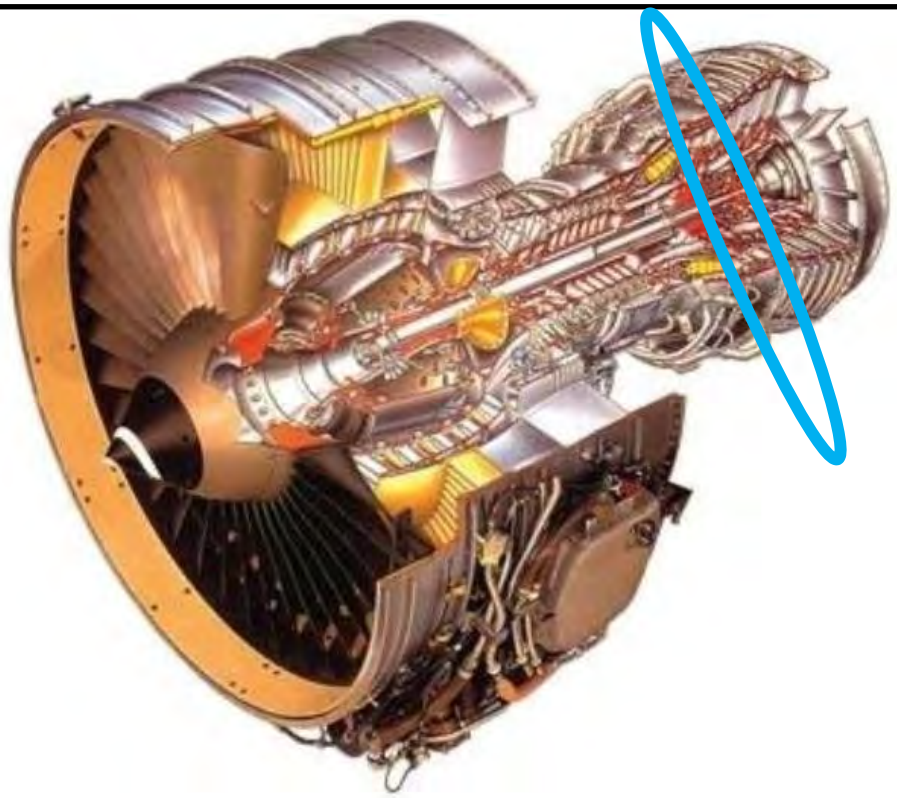

FWD
SECTION
A-A
FUEL NOZZLE
COMBUSTION CASE
OUTER PLATFORM
VANE AIRFOIL
BORESCOPE
PORT
INNER PLATFORM
AFT INNER
NOZZLE SUPPORT
SEAL RETAINER
RIGID BORESCOPE
FORWARD INNER
NOZZLE SUPPORT
A
A
A

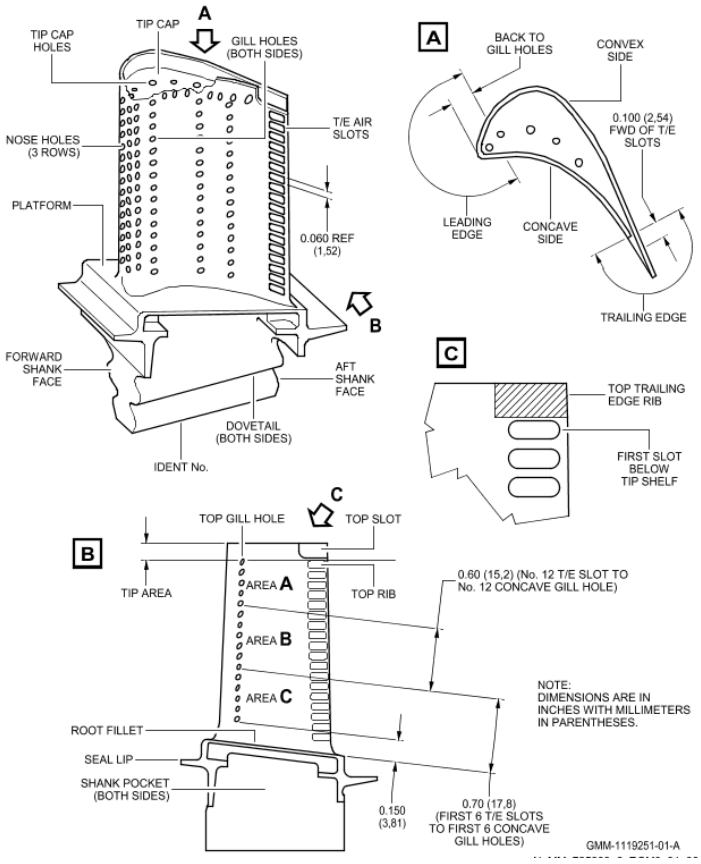

CONCAVE SIDE
VANE LEADING EDGE
OUTER
PLATFORM
TRAILING
EDGE SLOTS
CONVEX SIDE
COOLING HOLE
ROW 10
LEAD EDGE
NOSE HOLES
INNER
PLATFORM
COOLING HOLE
ROW 3

	_____
	Leading edge of vane airfoil for: Burns or missing material. -Any number; no missing material or burn through into the inner cooling passages. Trailing edge of vane airfoil for: Burns and cracks. -Any number. Inner and outer platform for: Cracks in parent metal. Any number.








A
TIP CAP
TIP CAP HOLES
GILL HOLES (BOTH SIDES)
T/E AIR SLOTS
NOSE HOLES (3 ROWS)
PLATFORM
0.060 REF (1,52)
B
FORWARD SHANK FACE
AFT SHANK FACE
DOVETAIL (BOTH SIDES)
IDENT No.
A
BACK TO GILL HOLES
CONVEX SIDE
0.100 (2,54) FWD OF T/E SLOTS
LEADING EDGE
CONCAVE SIDE
TRAILING EDGE
C
TOP TRAILING EDGE RIB
FIRST SLOT BELOW TIP SHELF
B
C
TOP GILL HOLE
TOP SLOT
TIP AREA
AREA A
TOP RIB
AREA B
AREA C
0.60 (15,2) (No. 12 T/E SLOT TO No. 12 CONCAVE GILL HOLE)
NOTE:
DIMENSIONS ARE IN INCHES WITH MILLIMETERS IN PARENTHESES.
ROOT FILLET
SEAL LIP
SHANK POCKET (BOTH SIDES)
0.150 (3,81)
0.70 (17,8) (FIRST 6 T/E SLOTS TO FIRST 6 CONCAVE GILL HOLES)
GMM-1119251-01-A

Finding	
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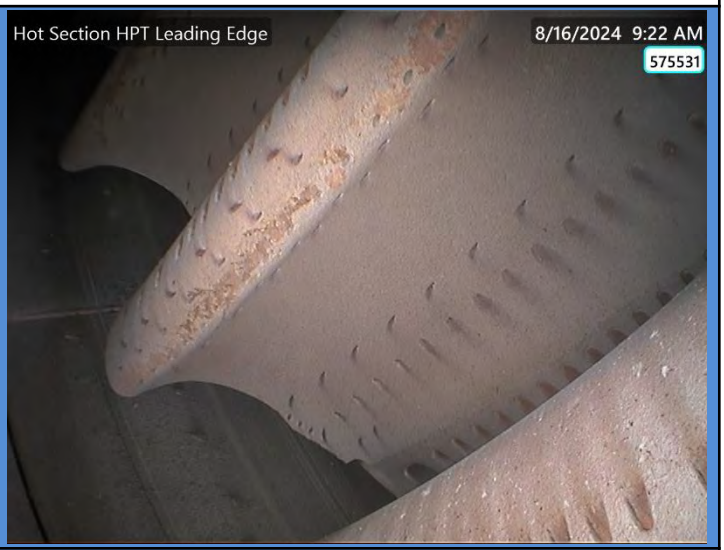

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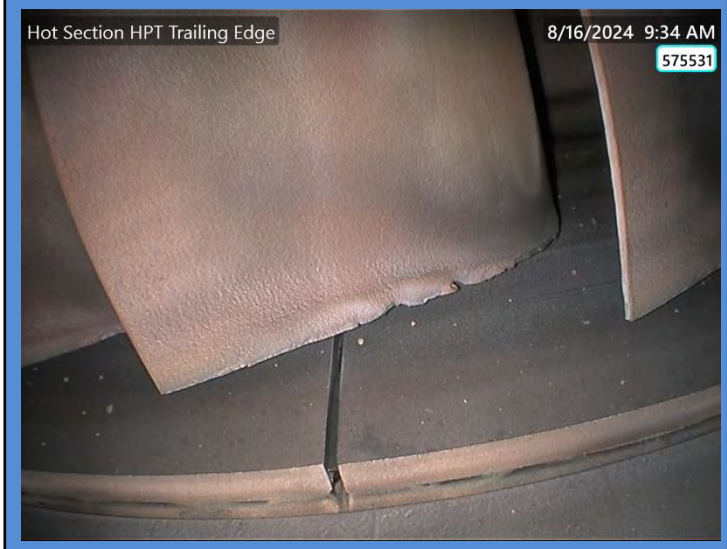

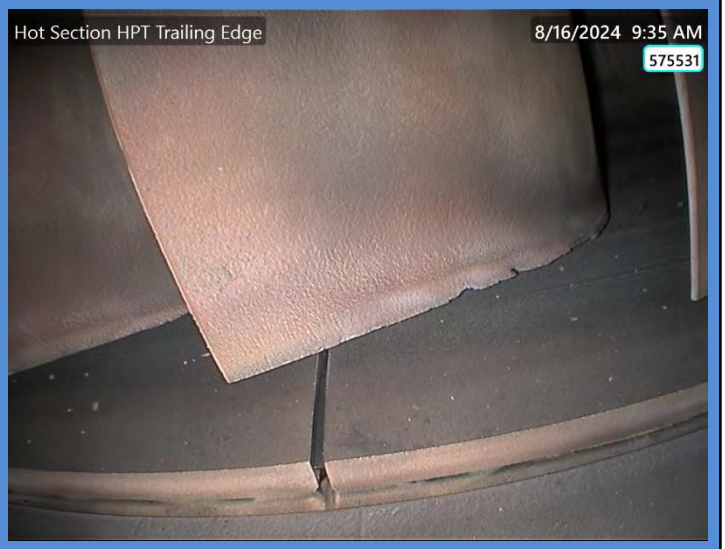

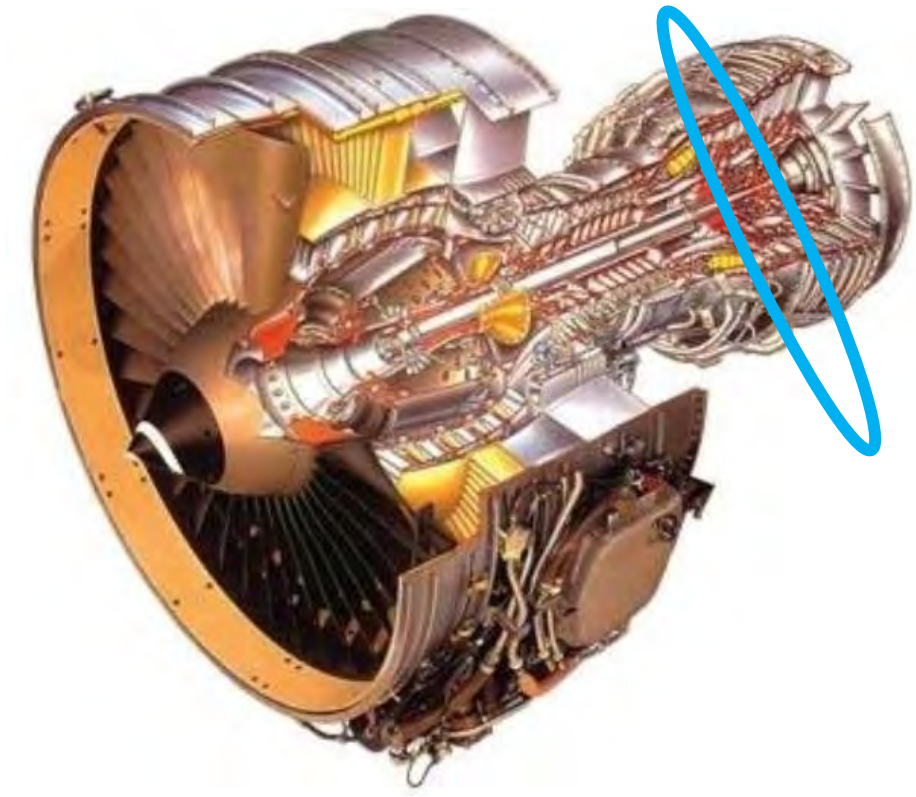

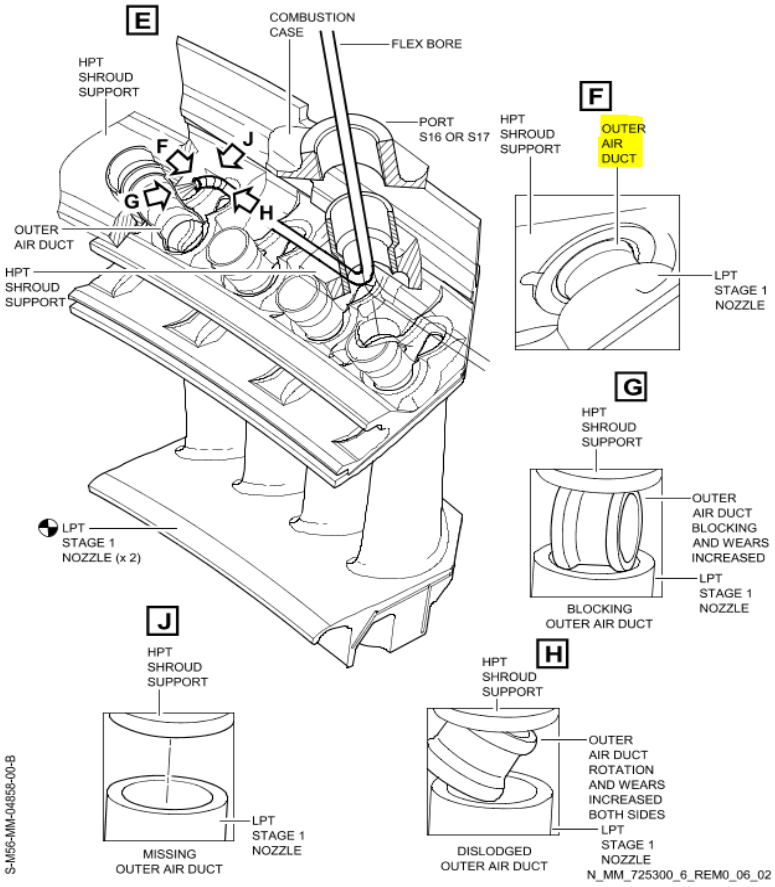

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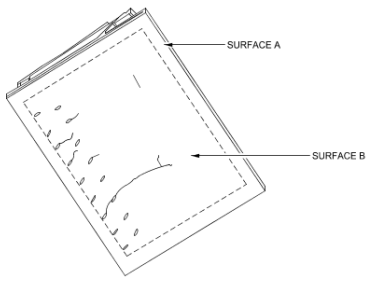

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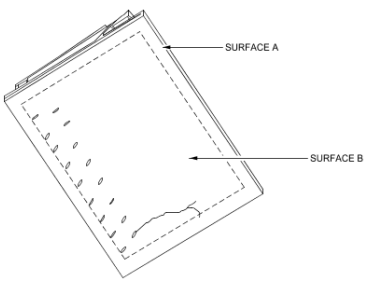

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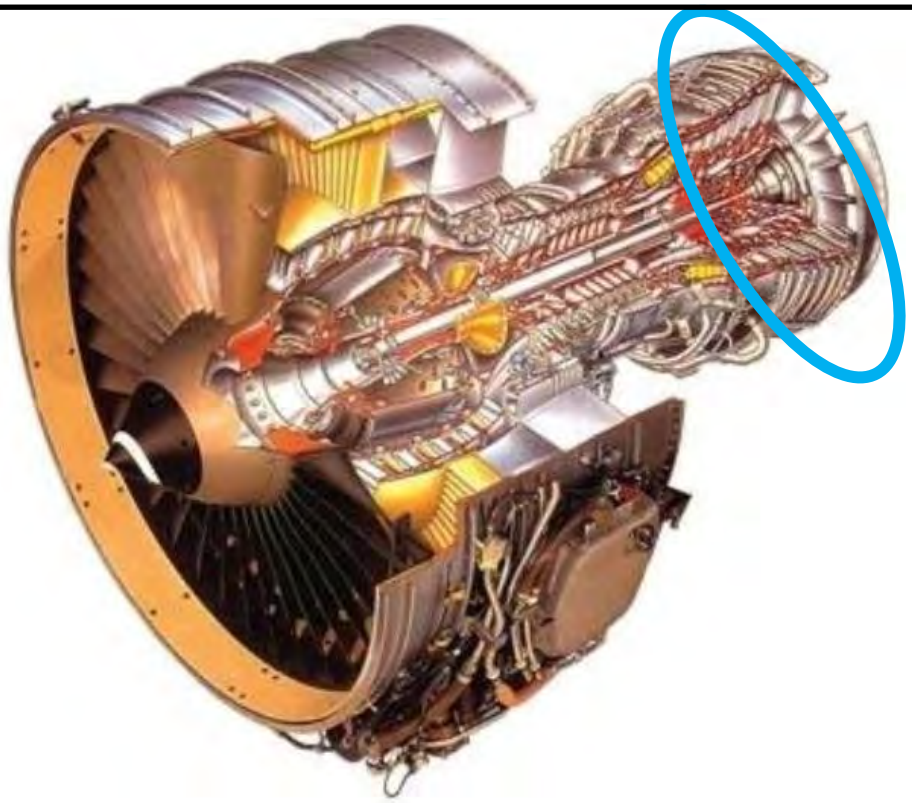
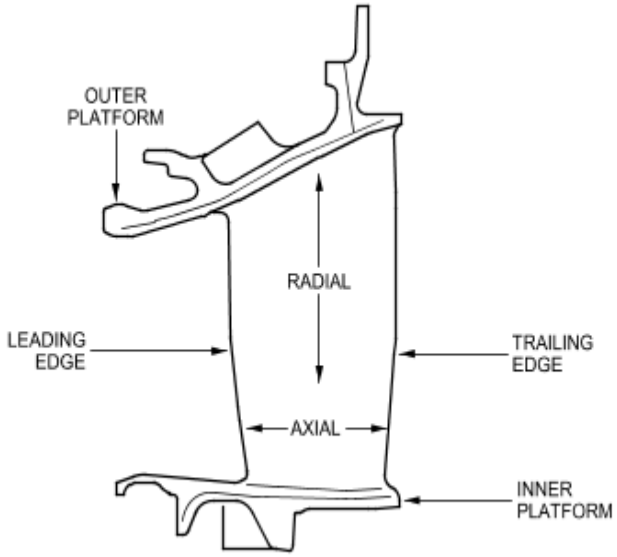
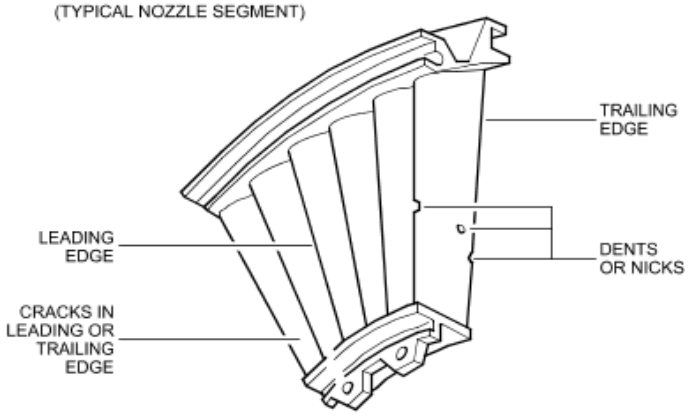




(TYPICAL NOZZLE SEGMENT)



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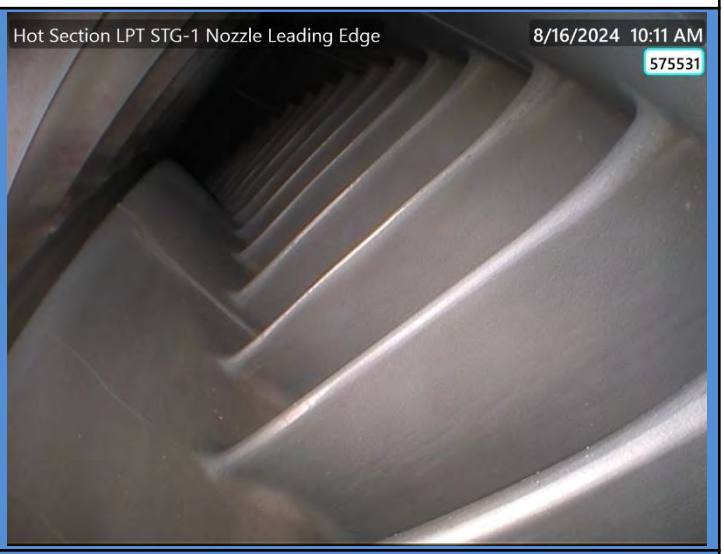

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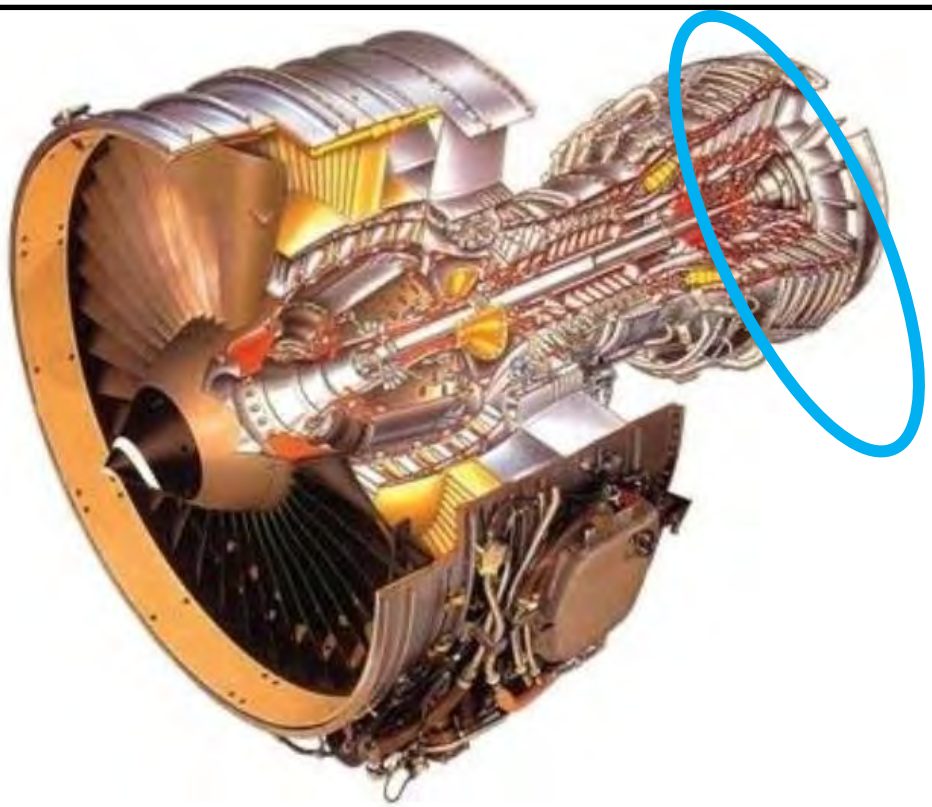

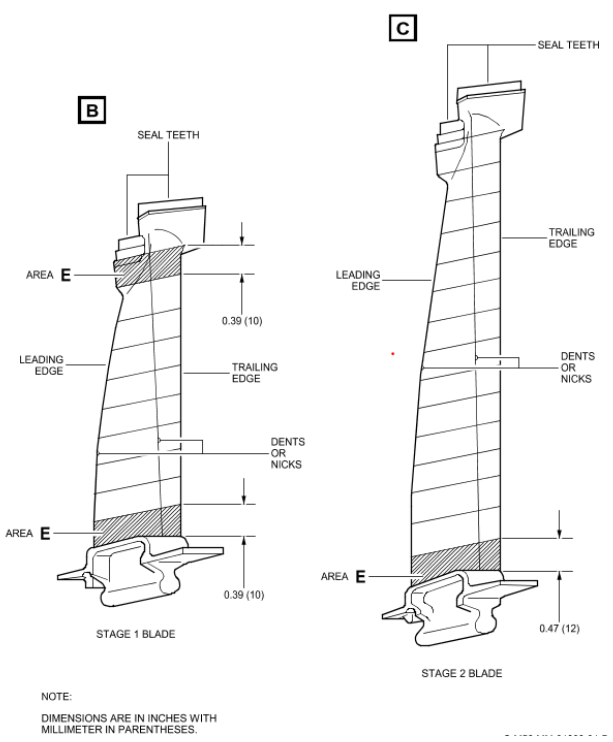

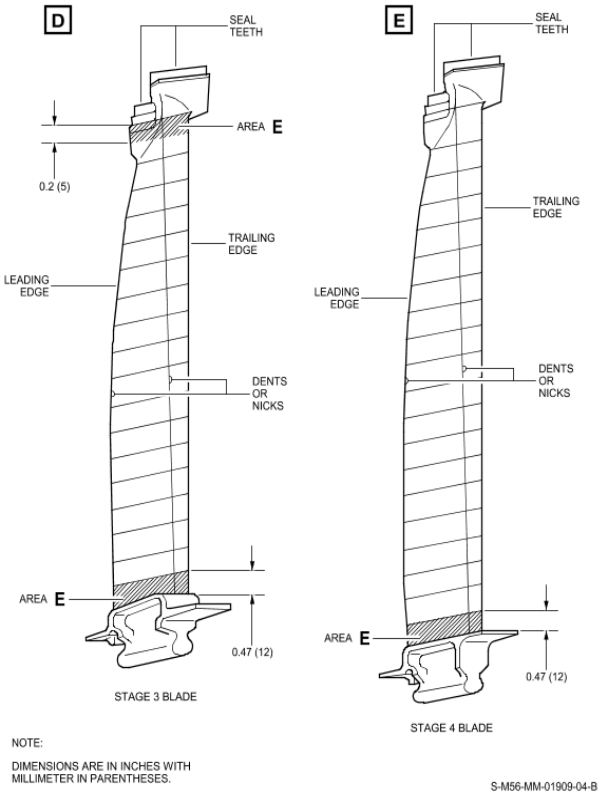

S-M56-MM-01909-04-B

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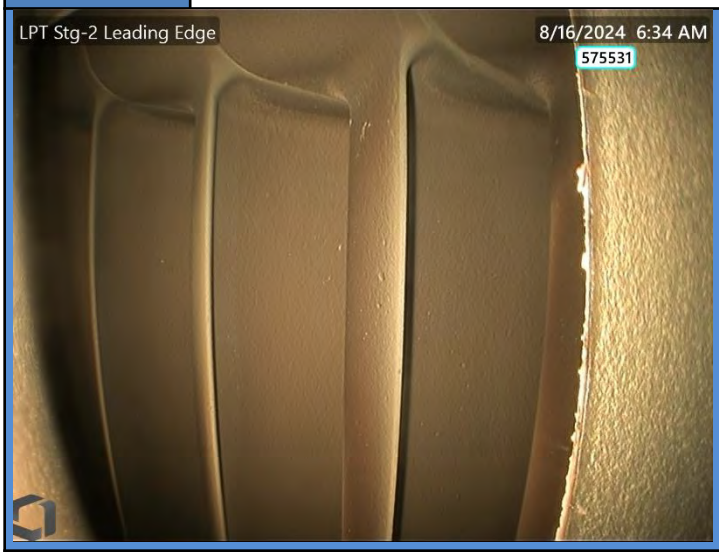

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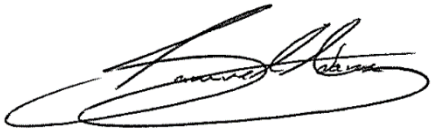

Chapter 12

Preservation Tag

Preservation Tag

Engine/Test

Test Cell **No. 1** ☑ **No.2** ☐

Engine Type CFM56 **Manufacturer Serial No.** 575531

Engine - preservation data

For period (days): 365 In accordance with: ESM 72-00 STORAGE

Fuel system preserved: yes ☑ no ☐ – preservative used: BRAYCO 460

Oil system preserved: yes ☑ no ☐ – preservative used: BRAYCO 885

Date 2021 / 08 / 15
Y M D

AMO 34-12

KACM A11090
Signature / Empl. #