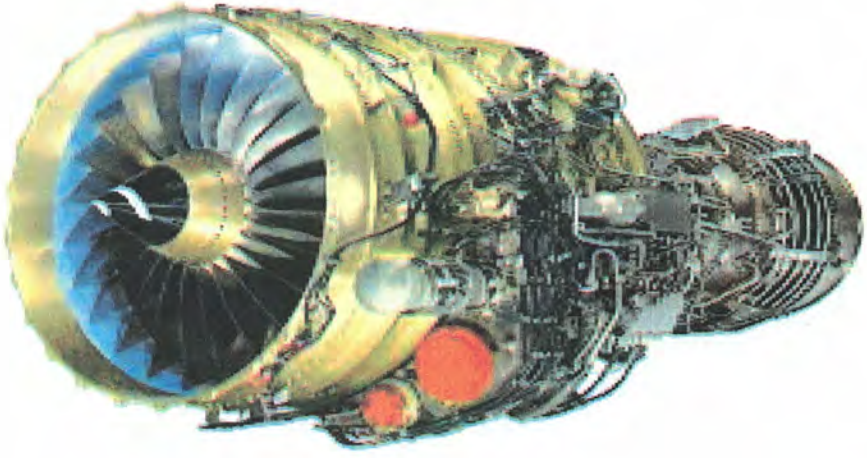
GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

ENGINE RECORDS PACKAGE

CFM56-3C-1

ENGINE S/N
W/O # 90026



9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

05-March/2023

Dear Valued Customer,

We at Global Turbine Services, Inc. thank you as valued customer, with our aircraft engine repair services, that we provided with must updated technology and experience based on the engine maintenance manual from the Original Equipment Manufacturer (OEM).

It's our policy and sincere desire to meet or exceed your expectations, we hope that you are fully satisfied with our efforts and we can assure that our quality processes are continually improving in order to meet your needs.

If you experience a situation with our product whereas your satisfaction comes into question, please do not hesitate to inform us so that we may take immediate corrective/preventive actions.

Once again, in name of all GTS workforces, we thank you for your business and we look forward for future business endeavors.

Sincerely

Jack Tannir
President/ Accountable Manager
jtannir@gtsaviation.com
Direct Line: +1(786) 391-4459
ITAR Complaint Reg. Code# M35339
www.gtsaviation.com

"ISO 9001:2015- CERTIFIED QUALITY MANAGEMENT SYSTEM "

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO AMERICAN GLOBAL STANDARDS 9001 CERTIFIED

Index

ENGINE POST-REPAIR DOCUMENTATION PACKAGE

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Dual Release
FAA / EASA Form

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

1. APPROVING CIVIL AVIATION AUTHORITY/COUNTRY:	2.	3. FORM TRACKING NUMBER:
FAA/ UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	03202490026

4. Organization Name and Address:	5. WORK ORDER / CONTRACT / INVOICE NUMBER
GLOBAL TURBINE SERVICES, INC 9374 NW 102nd Street Medley, FL 33178 USA PH: (786) 476-2166 / Fax: (786) 476-2169 www.gtsaviation.com	90026

6. ITEM:	7. DESCRIPTION:	8. PART NUMBER:	9. QUANTITY:	10. SERIAL/BATCH NUMBER:	11. STATUS / WORK:
1	JET ENGINE	CFM56-3C-1	1 EA		REPAIRED

12. REMARKS:

ENGINE WAS DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AND REASSEMBLED I.A.W. CFM56-3 ENGINE SHOP MANUAL CFMI-TP-SM.5, REVISION 81 DATED DECEMBER 15, 2023. PERFORMED MPA TEST RUN AT 23.5K, AND ACCOMPLISHED 365 DAYS PRESERVATION IAW 71-00-03, BY XTREME AVIATION UNDER WORK ORDER 011293, TURNED 41°C MARGIN.

AIRWORTHINESS DIRECTIVES complied with at this shop visit: AD 2002-13-03, AD 2017-14-08, EASA 2017-0149R1, EASA AD 2020-0261R1 AD 2022-02-03

SERVICE BULLETINS Accomplished at this shop visit: 72-1129 R.7; 72-1169 R.3

ETT: 36,588 / ETC: 41,521 (Time/Cycles supplied by Customer).

**Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part 145 and with respect to that work the aircraft component is ready for release to service under EASA Acceptance Certificate Number EASA 145.6618 **

13a. CERTIFIES THE ITEM IDENTIFIES ABOVE WERE MANUFACTURED IN CONFORMITY TO:	14a. ☒ 14 CFR 43.9 RETURN TO SERVICE ☒ OTHER REGULATION SPECIFIED IN BLOCK 12
☐ APPROVED DESIGNED 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 IDENTIFY IN BLOCK 11 AND DESCRIBED IN BLOCK 12 WAS ACCOMPLISHED IN ACCORDANCE WITH THE 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 AUTHORIZED Nº:	14b. AUTHORIZED SIGNATURE:	14c. APPROVAL CERTIFICATE Nº:
			OGTR095C
13d. NAME (TYPE OR PRINTED):	13e. DATE (DD/MMM/YYYY):	14d. NAME (TYPED OR PRINTED):	14e. DATE (DD/MMM/YYYY):
		David Rodriguez	05/MAR/ 2024

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 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.

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

FAA Form 337

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

U.S. Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 11/30/2007	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	CFMI	CFM56-3C-1	727209
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name GLOBAL TURBINE SERVICES, INC.
Address 9374 NW 102nd STREET
City MEDLEY State FLORIDA
Zip 33178 Country UNITED STATES OF AMERICA

B. Kind of Agency

☐	U.S. Certificated Mechanic	☐	Manufacturer
☐	Foreign Certificated Mechanic	C. Certificate No.	
☒	Certificated Repair Station	**OGTR095C Limited Powerplant**	
☐	Certificated Maintenance Organization		

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
DAVID RODRIGUEZ 03/05/2024

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	☐ Persons Approved by Canadian Department of Transport
	☐	FAA Designee	☒	Repair Station	☐	Inspection Authorization	Other *(Specify)*

Certificate or Designation No.
OGTR095C Limited Powerplant

Signature/Date of Authorized Individual
DAVID RODRIGUEZ 03/05/2024

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
CFM56-3C-1	05-MARCH- 2024

Work Order: 90026
Model: CFM56-3C-1 Engine Serial Number: 727209
ETT: 36,588 ETC: 41,521

Subject Engine was Disassembled, Cleaned, Inspected, Repaired and Assembled I.A.W. CFM56-3 Engine Shop Manual CFMI-TP-SM.5 Rev. 81 Dated December 15, 2023.

The following is a summary of the work accomplished:

Fan Major Module. The following work was accomplished:

1) **(21X) Fan and Booster:** Replaced Fan Disk with SVC Unit. Replaced Spinner Front Cone with SVC Unit. The remaining Parts were inspected for Continued Time Service.
2) **(22X) No. 1 and 2 Bearing Support:** Replaced Fan Shaft with SVC Unit. Replaced No. 2 Bearing with SVC Unit. The No. 1 Bearing was Inspected. The remaining Parts were installed in Serviceable Condition.
3) **(23X) Fan Frame Assy:** Cleaned, Visually Inspected and Repaired.
4) **(61X) IGB:** Removed, Cleaned, Inspected and Reinstalled. No.3 Bearing was replaced with Unit in Overhauled Condition.
5) **(62X) Transfer Gearbox (TGB):** Removed, Cleaned, Inspected and Reinstalled.
6) **(63X) Accessory Gearbox (AGB):** Removed, Inspected and Modified IAW SB 72-1129 R.7.

Core Engine Major Module. The following work was accomplished:

1) **(31X) HPC Compressor Rotor:** Replaced Compressor Rotor Spool 4-9 Stage and Compressor Rotor CDP Seal with SVC Units. Visually Inspected the Remaining Components and performed Dynamic Balance of Compressor Rotor Assembly.
2) **(32X) HPC Front Stator:** Performed VSV Pull Check I/A/W SB 72-1169 R.3. Replaced Compressor Front Stator Case with RPD Unit. The remaining Parts were installed in Serviceable Condition. C/W SB 1169 R.3
3) **(33X) HPC Rear Stator:** The Module was Repaired. Replaced Compressor Rear Stator Case with RPD Unit. The remaining Parts were installed in Serviceable Condition
4) **(41X) Combustion Case:** Replaced Combustion Case with SVC Unit. The Fuel Nozzles installed were cleaned, visually inspected and Bench Checked. The remaining Parts were inspected for Continued Time Service.
5) **(42X) Combustion Chamber:** Combustion Chamber was replaced with SVC Unit.
6) **(51X) HPT Nozzle:** Set of Nozzle Segment were Inspected. Remaining Parts were installed in SVC.
7) **(52X) HPT Rotor:** Replaced 01EA HPT Rotor Blade with SVC Unit. The Module was Inspected. The module was Dynamic balanced.
8) **(53X) HPT Shroud & Stage 1 LPT Nozzle Assy:** Replaced 46EA HPT Shroud with OHC Units and replaced 6EA LPT Nozzle Segment with OHC Units. The remaining Parts were installed in Serviceable Condition.

Low Pressure Turbine Major Module. The following work was accomplished:

1) **(54X)** Replaced Low Pressure Turbine Rotor/Stator Module with SVC Unit, it which was Inspected and Dynamic Balanced.
2) **(55X) LPT Shaft Assembly:** No. 4 Bearing and No. 5 Bearing were replaced with SVC Units. Replaced Low Pressure Turbine Shaft Module with SVC Unit, it which was Inspected and Dynamic Balanced.
3) **(56X) Turbine Frame Assembly:** The Low Pressure Turbine Frame was replaced with SVC Unit. The remaining Parts were inspected for Continued Time Service and the Assembly was Pressure Tested. Inspected and Bench Checked Thermocouple Wiring Harness Qty 6EA

AIRWORTHINESS DIRECTIVES C/W at this ESV: AD 2002-13-03, AD 2017-14-08, EASA 2017-0149R1, EASA AD 2020-0261R1, AD 2022-02-03

SERVICE BULLETINS Accomplished at this shop visit: 72-1129 R.7; 72-1169 R.3

Performed MPA test run at 23.5k, and accomplished 365 days preservation IAW B737 AMM 71-00-03 Rev. 98, by Xtreme Aviation under Work Order No. 011293 turned 41°C Margin. Engine was Borescope Inspected and accepted to return to service.

Engine was repaired IAW CFM56.3 Engine Manual CFMI-TP-SM.5, Rev. 81 Dated December 15, 2023.
Pertinent details of the above are on file at this Repair Station under W.O. 90026.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~END~~~~~~~~~~~~~~~~~~~~~~~~~~~~

☐ Additional Sheet Are Attached
~~~~~~~~~~~~~~~~~~~~~~~~~~~~

GLOBAL TURBINE SERVICES REVAMPING AVIATION

AD'S Summary

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

GLOBAL TURBINE SERVICES, INC

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

Note: With regards to this document, the following definitions apply:
CW = Complied With at this shop visit.
PCW = Previously Complied With – Received with upgraded configuration
ND = Not Disassembled per Customer Specifications

NA1 = Not Applicable Due to Engine Model
NA2 = Not Applicable Due to Engine Serial Number
NA3 = Not Applicable Due to Part Numbers
NA4 = Not Applicable Due to Part Serial Numbers

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
86-08-05 R1 39-5339 8/21/80	72-205 R5	Inspect Oil Distributor P/N: 335-305-800-0-1 and Spirolock P/N: 649-363-137-0 and Gear Housing which could result in an engine fire and damaged to the airplane. Applies to CFM56-3/3B		X	**NA1** – To CFM56-3C-1
89-17-04	***AD 89-17-04 has been Superseded by AD 89-23-06 R1***				
89-23-06 R1 39-10290	72-530 R3 72-620 R4 72-A0118 R1	Forward Sump MCD Inspection and removal of certain #3 Bearing Part Number & Serial Number. Ref. SB 72-0530 R3 Applies to CFM56-2 -3/3B/3C and -5		X	**NA3** – to P/N 1461M16P04 Installed
90-20-13 39-6679	72-494 R2	Fan Blade Failure P/N's 9527N99P08, 9527M99P09, 9527M99P10, 9527M99P11 and 1285M39P0 Applies to CFM56-3/3B/3C		X	**NA3** – to Fan Blades P/N's 1590M21P01, 1663M24P02 Installed.
91-02-10 39-6839	72-450 R1 72-462 R1	Introduction of modified splitter Fairing and 12 VBV Door configuration. Applies to CFM56-3/3B/3C		X	**PCW**- SB72-450 R3 & SB72-462 R2 I.A.W. THAI AD Status & SBs Status dated 04-July-2022.
96-18-16 39-9742	72-338 72-476 72-695 72-728 R2	Low cycles fatigue (LCF) failure to the Low Pressure Turbine Rotor (LPTR) Stub Shaft and Conical Support, which could result in an uncontained engine failure and damaged to the aircraft. Applies to CFM56-3/3B2/3C1		X	**NA3** – to LPT Conical Support P/N: 305-056-116-0 and Stub Shaft P/N 301-330-626-0 Installed.

REVIEWED BY: _____ *DATE* 03/05/2024
Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
96-25-11 39-9854	72-543 R4	Fan Blade failure that may result in complete loss of power. Ref. (37 degree blades) Applies to CFM56-3/3B2/3C1		X	**NA3** – to Fan Blades P/Ns: 1590M21P01, 1663M24P02 Installed
97-08-01 39-9989	CFMI-TP.SM.5.	Low Cycle Fatigue (LFC) failure of the Fan Disk, which could result in an uncontained engine failure and damaged to the aircraft. Applies to CFM56-3/3B/3C		X	**PCW** – Life cycles limited to 20,100, Stage 1 Fan Disk P/N: 335-014-511-0 S/N: DE615539 installed. Ref..LLP's
T97-25-51	***AD T97-25-51 has been Superseded by AD 98-10-11***				
98-07-02 39-10420	72-825 72-823 72-856 72-855	Rubs between the outer cone of the No. 3 Bearing rear stationary air/oil seal and the High-Pressure Compressor Rotor (HPCR) Stage 1-2 Spool, which could result in a potential uncontained failure of the HPCR stage 1-2 Spool, and damage to the aircraft. Applies to CFM56-3, 3B, -3C, -5 and -5C		X	**NA3** – To HPC Spool 1-2 Stage P/N: 2411M21G01 S/N: GWN0M8TW Installed
98-10-11 39-10523	72-211 R1 72-350 R1 72-523 R1 72-863 R1 72-865 72-867 72-873 R1 72-A0861 R3	In-flight engine shutdowns due to an Accessory Gearbox (AGB) Stater gear shaft, Transfer Gearbox (TGB) input bevel gear, TGB output bevel gear, AGB gear shaft cluster spur assembly or AGB intermediate gear assembly failure. Applies to CFM56-3, 3B, -3C, -5 and -5C		X	**NA2** – ESN 727209
98-12-32 39-10585	72-817 R1 72-419 R2 72-561 R1 72-843 R1	Potential for an uncontained Failure of the high-Pressure Turbine Rotor (HTR) Disk (HPT Rotor disk RIM Bolt hole Inspection) Applies to CFM56-2, 2A, 2B, -3, 3B and 3C.		X	**NA3** – P/N: 1475M29P03 S/N: GWN0EW1L Installed

REVIEWED BY: _____ *DATE* *03/05/2024*
Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

AD. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
98-19-10 39-10752	72-877 R1	Accessory Gearbox (AGB) starter gearshaft failure, which can result in an inflight engine shutdown, and on aircraft with wo affected engines installed, possible dual in flight engine shutdown and forced landing. Applies to CFM56-2,2A, 2B, -3, 3B and 3C.		X	**NA2**– ESN 727209 **NA3 & NA4** to AGB P/N: 335-300-112-0 S/N: WB5249
2000-05-22 39-11632	72-922 72-869 72-470 72-611	Cracks in the bolt holes of the high pressure Turbine (HPT) front rotating air seals, which can lead to an uncontained engine failure and damage to the aircraft Applies to CFM56-2,2A, 2B, -3, 3B and 3C.		X	**NA3** – to P/N: 1282M72P07 S/N: XAEM5354 Installed
2000-12-01	***AD 2000-12-01 has been Superseded by AD 2002-13-03***				
2000-15-01 39-11830	73-110 R2 73-0055 73-0056 R2 73-0073 73-0076 R1 73-126 R2 73-136 R2	Fuel leakage from between the fuel pump filter cover and gear housing which could result in an engine fire and damage to the airplane Applies to: CFM56-3, -3B and -3C		X	**PCW** WITH SB 73-A129- I.A.W. THAI SBs Status dated 04-July-2022.
2001-04-06 39-12124	72-854 R5	Inspection of Fan Disk dovetail slots for wear. Applies to CFM56-3, -3B and -3C		X	**PCW** on Fan Disk P/N: 335-014-511-0, S/N: DE615539, I.A.W AIR NEW ZEALAND SBs Status/ ESN 860191.
2001-11-05 39-12246	-	Bearing failures, which could cause an engine failure. Remove suspects #4 Bearing P/N 305-355-717-0 with S/N listed in the AD. Applies to CFM56-2.-2B-3-5C,7B		X	**NA3** – to P/N 305-355-720-0 installed.

REVIEWED BY: _____ *DATE* 03/05/2024
Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

AD. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
2002-13-03 39-12790	ESM CFMI-TP-SM.4 TO CFMI-TP.SM.10	Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(FAN DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**CW.** P/N: 335-014-511-0 S/N: DE615539
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(FAN SHAFT)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**CW.** P/N: 335-006-414-0 S/N: DE690222
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPC FRONT SHAFT)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**CW.** P/N: 1275M37P02 S/N: GWN0MH8C
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(1-2 SPOOL)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 2411M21G01 S/N: GWN0M8TW
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPC STAGE 3 DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 1590M59P01 S/N: XAE54571

REVIEWED BY: _____
Shop Manager

DATE *03/05/2024*

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE
COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
2002-13-03 39-12790	ESM CFMI-TP-SM.4 TO CFMI-TP.SM.10	Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPC 4-9 SPOOL)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**CW.** by BP Aero Services. REFER TO FAA FORM 8130-3 FTN: 160458 1. P/N: 1588M89G03 S/N: GWN07K4K
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPC REAR CDP AIR SEAL)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**CW.** P/N: 1319M25P02 S/N: GFF5DM8G
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPT FRONT ROTATING AIR SEAL)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 1282M72P07 S/N: XAEM5354
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(HPT DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 1475M29P03 S/N: GWN0EW1L
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT STAGE 1 DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-331-126-0 S/N: BC831435
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT STAGE 2 DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-331-227-0 S/N: PA244372

REVIEWED BY: _____
Shop Manager

DATE *03/05/2024*

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE
COMPLIANCE STATUS

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

GLOBAL TURBINE SERVICES, INC

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
2002-13-03 39-12790	ESM CFMI-TP-SM.4 TO CFMI-TP.SM.10	Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT STAGE 3 DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-331-322-0 S/N: DE257614
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT STAGE 4 DISK)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-331-429-0 S/N: DD687012
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT SHAFT)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-330-066-0 S/N: DE199200
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT STUB SHAFT)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 301-330-626-0 S/N: DE678760
		Critical Life-Limit rotating engine part failure which could result in an uncontained engine failure and damage to the airplane **(LPT CONICAL SUPORT)** Applies to CFM56-2, 2A, -2B,-3, -3B, -3C, -5, -5B, -5C and -7B	X		**ND**– PART NOT EXPOSED P/N: 305-056-116-0 S/N: DE689928

REVIEWED BY: _____ *DATE* *03/05/2024*
Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
2004-10-13 39-13643	73-0104 73-A0113 73-120 R4 73-126 R3 73-A0129 73-A0143 73-0081	Main Fuel Pump replacement because of bearing failures resulting in fuel nozzle clogging, Low Pressure Turbine (LPT) Cases P/N 301-778-801-0, P/N 301-778-802-0. P/N 301-778-804-0 and P/N 301-778-805-0, P/N 601-779-006-0, P/N 301-779-002-0. Applies to CFM56-2C, -3 series and -5 series		X	**NA3** – P/N 301-779-007-0 (P/N: 708600-7) S/N: 17883 installed
2006-26-01 39-14859	-	Fuel Filters replacement manufactured under PMA. This AD prevents the loss of engines thrust that could result in loss of control during takeoff or landing. Inspect the following P/Ns: WF337661, WF337017. Applies to CFM56-2/ -3 series		X	**NA3** - I.A.W. THAI AD Status dated 04-July-2022.
EASA AD 2009-0036	72-1067	Inspection of the Fan Blades with 25 degrees Mid-Span Shrouds. Re-inspect in intervals of 3,000 engine flight cycles. Applies to CFM56-3 series	X		**NA3** – to Fan Blades P/N's: 1590M21P01, 1663M24P02 04 Installed…
2009-11-02 39-15912	-	Change of HPC 4-9 Spool, before accumulating 8,900 cycles since repair at propulsion Technologies (PTLLC) or within 1,100 cycles from effective date of this AD. Applies to CFM56-2/ -3 series		X	**NA4** – S/N: GWN07K4K Installed
2010-12-03 39-16324	72-1067	On-wing or in shop inspection of the Fan Blade and Damper for wear. Applies to CFM56-2/ -3 series	X		**NA3** - I.A.W. THAI AD Status dated 04-July-2022.

REVIEWED BY: _____ *DATE* *03/05/2024*

Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

GLOBAL TURBINE SERVICES, INC

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIALNUMBERS INST.
2012-0209		***AD 2012-02-09 has been superseded by AD 2020-0261R1***			
2013-02-02		***AD 2013-02-02 has been superseded by AD 2016-14-10***			
2013-26-01		***AD 2013-26-01 has been superseded by AD 2022-02-03***			
2015-18-04 39-18262 EASA AD 2015-0133	72-964 R1	Inspection of 73-tooth or 41-Tooth Gearshaft installed in the AGB, that has a Gearshaft Serial Number listed in appendix A or appendix B of the CFM56-7B SB 72-0964 R1 Applies to CFM56-3 and CFM56-7B	X		**ND** - Gearshaft not accessed this shop visit. Note: Per CFM Message No.15-CFM56-726 as of July 8 2015, 100% of the affected Gearshaft listed in the SB has been located and removed per CFM records
2016-14-10 39-18591	STC SE00034EN	Removal from service of certain High-Pressure Turbine (HPT) Disk manufactured by Global Material Solutions of Pratt and Whitney, at reduced maximum life limits. Applies to CFM56-3 /-3B/-3C		X	**NA3** – P/N: 1475M29P03 S/N: GWN0EW1L Installed
2017-14-08 39-18952 EASA AD 2017-0149 R1	72-1169 R3	Inspection of the Compressor Front Stator Case Part Number (P/N's) 1499M30G01, 1499M30G02, 1499M30G03 or 1676M88G01 Pull Check., except P/N marked with "RP031" Applies to CFM56-3/-3B/-3C	X		**CW** – Pull check at this shop Visit Re-inspect in 12 months period.
EASA AD 2020-0261R1	72-1129 R7	Engine-Accessory Gearbox (AGB) Hand cranking pad modification Applies to CFM56-3 series		X	**CW.** Complied with SB 72-1129 R7. Terminating Action AGB P/N: 335-300-112-0 S/N: WB5249.

REVIEWED BY: _____ *DATE* 03/05/2024
Shop Manager

GLOBAL TURBINE SERVICES
REVAMPING AVIATION

CFM56-3 SERIES AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

9374 NW 102nd Street
Medley, FL 33178 USA
PH: (1-786) 476-2166
Fax: (1-786) 476-2169
E-mail: sales@gtsaviation.com

GLOBAL TURBINE SERVICES, INC

WORK ORDER: 90026 ENG. MODEL: CFM56-3C-1 ENG. S/N: TT: 36,588 TC: 41,521

A.D. NUMBER EFF. DATE	SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION YES	REPETITIVE INSPECTION NO	COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIALNUMBERS INST
2022-02-03 39-21900	72-1129 R7	Independent Inspection to verify re-installation of the AGB hand cracking pad cover after any maintenance; or replace the affected AGB with a part eligible for installation. Applies to CFM56-3 and CFM56-7B series.	X		**CW.** Complied with SB 72-1129 R7. AGB P/N: 335-300-112-0 S/N: WB5249.

REVIEWED BY: _____
Shop Manager

DATE *03/05/2024*

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Life Limited Parts Summary

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

GLOBAL TURBINE SERVICES — REVAMPING AVIATION

ISO 9001 CERTIFIED — AMERICAN GLOBAL STANDARDS

ENGINE LIFE LIMITED PARTS TIME / CYCLE RECORD

Prepared By: Global Turbine Services, Inc.
Date: 03/05/2024 **GTS WO#** 90026

G.E. ENGINE MODEL	ENGINE S/N	T.T.S.L.S.V.	T.C.S.L.S.V.	ENGINE TT		ENGINE TC	C.R. CAT.
CFM56	[redacted]	0.00	0	36,588.00		41,521	CAT C: 4,369

IIN	DESCRIPTION	PART NUMBER	SERIAL NUMBER	TOTAL		TOTAL CYCLES CATEGORY				CYCLES LIMIT			REMAINING CYCLES		
				HOURS	CYCLES	A	B	C	5B5/P	A	B	C	A	B	C
211	BOOSTER SPOOL	335-009-306-0	DD437267	N/A	13630	0	13630	0	0	30000	30000	30000	16370	16370	16370
213(*)	STAGE 1 FAN DISK	335-014-511-0	DE615539	N/A	8821	7168	1653	0	0	30000	24900	20100	20840	17297	13963
221(*)	FAN SHAFT	335-006-414-0	DE690222	N/A	10048	7898	2150	0	0	30000	30000	30000	19952	19952	19952
	HIGH PRESSURE COMPRESSOR														
312	HPC FRONT SHAFT	1275M37P02	GWN0MH8C	N/A	5757	0	5757	0	0	20000	20000	20000	14243	14243	14243
313	HPC STAGE 1-2 SPOOL	2411M21G01	GWN0M8TW	N/A	5757	0	5757	0	0	20000	20000	20000	14243	14243	14243
314	HPC STAGE 3 DISK	1590M59P01	XAE54571	N/A	14732	8975	5757	0	0	20000	20000	20000	5268	5268	5268
315(*)	HPC STAGE 4-9 SPOOL	1588M89G03	GWN07K4K	N/A	13751	0	0	0	13751	20000	20000	15800	6249	6249	4937
316(*)	HPC CDP SEAL	1319M25P02	GFF5DMMN	N/A	11610	0	11610	0	0	20000	18000	15000	7100	6390	5325
	HIGH PRESSURE TURBINE														
521	HPT FRONT SHAFT	1385M90P04	XAEJ3308	N/A	5757	0	5757	0	0	20000	17300	17000	13344	11543	11342
522	HPT FRONT AIR SEAL	1282M72P07	XAEM5354	N/A	5757	0	5757	0	0	20000	15800	15100	12712	10043	9598
525	HPT DISK	1475M29P03	GWN0EW1L	N/A	13630	0	13630	0	0	20000	18500	16600	5264	4870	4369
526	HPT REAR SHAFT	1864M91P02	TMT1AW63	N/A	5757	0	5757	0	0	20000	20000	20000	14243	14243	14243
	LOW PRESSURE TURBINE														
542(*)	LPT STAGE 1 DISK	301-331-126-0	BC831435	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
543(*)	LPT STAGE 2 DISK	301-331-227-0	PA244372	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
544(*)	LPT STAGE 3 DISK	301-331-322-0	DE257614	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
545(*)	LPT STAGE 4 DISK	301-331-429-0	DD687012	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
546(*)	LPT CONICAL SUPPORT	305-056-116-0	DE689928	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
551(*)	LPT SHAFT	301-330-066-0	DE199200	N/A	8821	7168	1653	0	0	25000	25000	25000	16179	16179	16179
552(*)	STUB SHAFT	301-330-626-0	DE678760	N/A	8821	7168	1653	0	0	30000	30000	30000	21179	21179	21179
										25000	25000	25000	16179	16179	16179

- Data presented above was compiled from information provided by customer.
- LLPs with asterisc (*) indicates Item that will be replaced at this shop visit.

FAA
C.R.S.# OGTR095C

EASA
C.R.S.# 145.6618

David Rodriguez

9374 NW 102nd. St. Medley FL 33178 | +1 786 476 2166 | +1 786 476 2169 FAX | info@gtsaviation.com | gtsaviation.com

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Test Data

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG**	24-XTR-013

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Xtreme Aviation, LLC. CRS #4XAR847C 14900 NW42nd Ave. Hangar 48, Opa-Locka, FL 33054	011293

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ENGINE	CFM56-3C1	1 EA		TESTED

12. Remarks:

Engine received limited scope of work as follows:

"ACCOMPLISHED ENGINE RUN TEST No.10, ON ENGINE SN 727209 INSTALLED ON TESTING APPARATUS MSN 26596 AT CALCULATED THRUST RATING OF 23.5K AS PER B737 AMM 71-00-00 REVISION No. 98 DATED SEPTEMBER 25, 2023"

"ACCOMPLISHED 365 DAY PRESERVATION AS PER B737 AMM 71-00-03 REVISION No. 98 DATED SEPTEMBER 25, 2023"
ENG TSN: 36,588:00
CSN: 41,521

"Xtreme Aviation, LLC. certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145
and with respect to that work the component is considered ready to release to service under EASA Part-145 Approval Number: "EASA.145.6734"

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 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.	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			
13b. Authorized Signature:	**13c. Approval/Authorization No.:**	**14b. Authorized Signature:**	**14c. Approval/Certificate No.:** 4XAR847C
13d. Name (Typed or Printed):	**13e. Date (dd/mmm/yyyy):**	**14d. Name (Typed or Printed):** HENRY TOVAR	**14e. Date (dd/mmm/yyyy):** 22/FEB/2024

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 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.

I. Tracking#		III. STATION
24-MPA-77	XTREME AVIATION	KOPF
II. DATE		IV. A/C REG / MSN
FEB-22-2024		

ENGINE RUN PERFORMANCE DATA

V. POWER SETTING:	23.5K	VI. REASON:	TEST 10
VII. THRUST RATING:	23.5K		

VIII. Eng. Pos.	IX. Engine Model	X. Engine S/N	XI. MEC P/N	XII. WORK ORDER	XIII. PMC P/N	XIV. TANK N.	XV. Fuel Qty (lbs)
1	CFM56-3C1		8063-215	011293	7157M68P03	N.1	7000
			SN:WYG95823		ECDB2122	N.2	7200
					FUEL TYPE: JET A	CTR	700
						TOTAL	14900

1. ENGINE TEST PARAMETERS

Engine Start Data (EGT not to exceed 725 °C)

ENGINE POSITION	Start Lever Adv. N2%	Start Lever Adv. Motoring Time Sec.	INITIAL FUEL FLOW	LIGHT-UP TIME SEC.	STARTER CUTOUT N2%	MAX EGT (CENTRIGRADES)	MAX FUEL FLOW	TIME TO IDLE SEC	ENGINE OIL QTY	ENGINE OIL TEMP	ENGINE OIL PRESSURE	AVM UNITS
1	25.0%	35	0.1	2	46.2%	557	1.01	80	4%	40	27	0.1
2												

Test No. 4 - IDLE SPEED

Low Idle limit: +3.0 / -1.0 N2% — *High Idle limit: +3.0 / -.7 N2%*

ENGINE POS.	OAT (°C)	BARO	Low Idle (N2 %) Target	Low Idle (N2 %) Recorded	High Idle (N2 %) Target	High Idle (N2 %) Recorded
1	20	30	61.2	62.5	71.6	72.2
2						

Test No. 5A Power Assurance Check (80% N1)

0.3	OAT (°C)	BARO	TARGET N1	Recorded Values N1%	N2%	EGT (°C)	FUEL FLOW	OT	OP		Vibe
1	23	30	81	81	93.7	705	5.47	100	46		0.5
2											

Test #5A Power Assurance Check (80% N1)

ENGINE POS.	OAT (°C)	TARGET N1	Recorded Values N1%	N2%	EGT	ADJ EGT FOR N1	MAX EGT 23.5K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
1	23	81	81	93.7	705	N/A	720	15	N/A	OFF	23.5K	N/A	93.7	94.4	0.7
2															

Test No. 5B Power Assurance Check (85% N1)

ENGINE POS.	OAT (°C)	BARO	TARGET N1	Recorded Values N1%	N2%	EGT (°C)	FUEL FLOW	OT	OP		Vibe
1	23	30	86.1%	86.1	95.8	759	6.57	100	50		0.6
2											

Test #5B Power Assurance Check (85% N1)

ENGINE POS.	OAT (°C)	TARGET N1	Recorded Values N1%	N2%	EGT	ADJ EGT FOR N1	MAX EGT 23.5K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
1	23	86.1%	86.1%	95.8	759	N/A	771	12	N/A	OFF	23.5K	N/A	95.8	96.30	0.50
2															

Test No. 5C Power Assurance Check (90% N1)

ENGINE POS.	OAT (°C)	BARO	TARGET N1	Recorded Values N1%	N2%	EGT (°C)	FUEL FLOW	OT	OP	0	Vibe
1	23	30	91.2%	91.2	97.6	811	7.8	100	51		0.3
2											

Test #5C Power Assurance Check (90% N1)

ENGINE POS.	OAT (°C)	TARGET N1	Recorded Values N1%	N2%	EGT	ADJ EGT FOR N1	MAX EGT 23.5K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
1	23	91.2%	91.2%	97.6	811	N/A	830	19	N/A	OFF	23.5K	N/A	97.6	98.50	0.90
2															

Test No. 5D Takeoff Power Check

ENGINE POS.	OAT (°C)	BARO	TARGET N1	Recorded Values N1%	N2%	EGT (°C)	FUEL FLOW	RED LINE	MARGIN	4.INSP.
1	23	30	97.7%	97.7	100.3	889	9.73	930	41	XA 17
2										

I. Tracking #		III. STATION
24-MPA-77		KOPF
WO#011293		IV. A/C REG / MSN
II. DATE		
FEB-22-2024		

ENGINE RUN PERFORMANCE DATA

TEST NO. 6 - MEC TRIM

ENG POS	OAT	BARO	WIND		PMC OFF (%N2)		PMC ON (%N1)	
			VELOCITY (KNOTS)	DIRECTION	TARGET	RECORDED	TARGET	RECORDED
1	20	30			92.2	91.9	74	74.4

TEST NO. 7 - VIBRATION SURVEY

ENG POS	OAT	BARO	BARO	STATIC T.O. TARGET (%N1)	SELECTOR SWITCH POSITION
1	23	30	30	97.7	ON

ACCEL			DECEL		
%N1	%N2	VIBRATION READING (UNITS)	%N1	%N2	VIBRATION READING (UNITS)
53.4	84.9	0.2	93.1	98.4	0.3
65.7	88.5	0.2	85.8	95.3	0.8
73.3	90.9	0.3	81	93.8	0.3
81	93.4	0.6	74.4	91.8	0.3
86.1	95.7	0.6	65.1	89.3	0.1
91.2	97.7	0.3	55.2	86.3	0.1

%N1	%N2	VIBRATION READING (UNITS)								MEAN VIBRATION READING (UNITS)	SOURCE			
		SEC	30 SEC	SEC	60 SEC	SEC	90 SEC	SEC	120 SEC		FAN	LPT	HPT	HPC

ACCEL/DECEL CHECK

ENG POS	OAT (°C)	BARO	TARGET VALUES (%N1)		ACCEL TIME (SEC)		
			STATIC T.O.	ACCEL CHECK TARGET	LOW IDLE TO 40% N1 (Differential Limit of 4 Sec. Between Engines)	40% N1 TO ACCEL CHECK TARGET (Differential Limit of 2 Sec. Between Engines)	HIGH IDEL TO ACCEL CHECK TARGET (7.4 Sec. Max)
1	23	30	98	95.5	N/A	N/A	7.2

** NOTE: ENGINES WITH THE HPTCC TIMER, Adjust the EGT and N2 margins for these effects: HPTCC Timer On engines operated at 22,000 pounds thrust or less, increase the EGT margin by 17C. **

NOTE: 1) If the N1 target is more than the N1 record, there is a positive (+) difference.
2) If the N1 target is less than the N1 record, there is a negative (-) difference.

4.INSP. XA 17

2. REMARKS AND DISCREPANCIES:

3.TASK CARD COMPLETED BY (SIGN & LICENSE): 1313092

4.INSP. XA 17

PRESERVATION TAG

XTREME AVIATION
FAA 145 CRS # XAAR547C

1. WORK ORDER #: 011293	2. CUSTOMER: GLOBAL TURBINE SERVICES INC.
3. ENGINE MODEL: CFM 56-3C1	4. ENGINE SERIAL NUMBER #:
5. PRESERVATION DATE: 02-22-24	6: OIL SYSTEM: BROYCO 599.
7. EXPIRATION DATE: 02-21-25.	8. FUEL SYSTEM: TURBO NYCOY 360.
9. TECHNICAL DATA REFERENCE USED: IAM B 737 AMM 71-00-03 - REV 98.	
10. ACCOMPLISHED BY: ALEXANDER BELLO.	11. SIGNATURE: ABM.
12. DATE: 02-22-24.	

Form LG-023 Rev. #: 0 Date: 27/Aug/2016

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Post Test
Borescope Report

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

Exterior visual inspection:

NO DAMAGE FOUND.

Nose Spinner:

ENVIRONMENTAL DEPOSITS.

Accessory Dive Gearbox:

NO DAMAGE FOUND.

Compressor Cases:

NO DAMAGE FOUND.

VSV Levers, Bushing & Unison Rings:

NO DAMAGE FOUND.

Exhaust & Turbine Cases:

NO DAMAGE FOUND.

Remarks:

NO DISCREPANCIES FOUND.

Low Pressure Compressor (LPC):

Reference B737 AMM 72-00-00

Fan Blades:

NO DAMAGE FOUND.

Fan Track:

FOUND RUB MARKS.

Fan OGV'S:

MINOR COATING LOOSE.

9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

LPC Stage 2 BLADES:

NO DAMAGE FOUND.

LPC Stage 3 BLADES:

NO DAMAGE FOUND.

LPC Stage 4 BLADES:

NO DAMAGE FOUND.

Remarks:

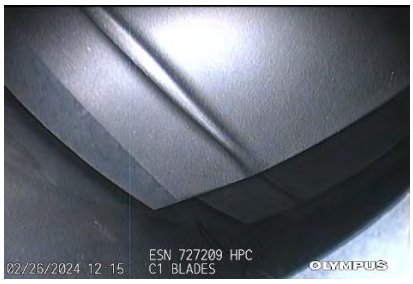
FINDINGS ON THE **LPC MODULES** WERE FOUND TO BE ACCEPTABLE I/A/W B737 AMM 72-00-00.

Picture # 8

High Pressure Compressor (HPC) Reference B737 AMM 72-00-00

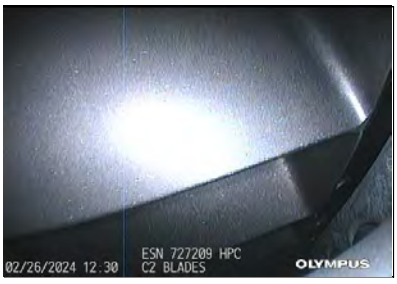
HPC Stage 1 BLADES:

NO DAMAGE FOUND.



HPC Stage 2 BLADES:

NO DAMAGE FOUND.



HPC Stage 3 BLADES:

NO DAMAGE FOUND.

HPC Stage 4 BLADES:

NO DAMAGE FOUND.

HPC Stage 5 BLADES:

NO DAMAGE FOUND.

HPC Stage 6 BLADES:

MINOR PITTING ON THE L/E. FOUND TO BE ACCEPTABLE I/A/W B727 AMM 72-00-00

9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

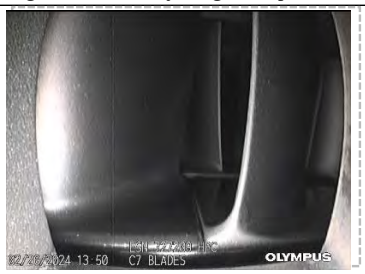
CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

HPC Stage 7 BLADES:

MINOR PITTING FOUND ON THE L/E. FOUND TO BE ACCEPTABLE I/A/W B737 AMM 72-00-00



HPC Stage 8 BLADES:

MINOR PITTING FOUND ON THE L/E. FOUND TO BE ACCEPTABLE I/A/W B737 AMM 72-00-00

HPC Stage 9 BLADES:

NO DAMAGE FOUND.

Picture #18

Remarks:

FINDINGS ON THE **HPC MODULE** WERE FOUND TO BE ACCEPTABLE.
I/A/W B737 AMM 72-00-00.

Hot Section Inspection:
Reference B737 AMM 72-00-00

Fuel Nozzle Heat Shield Deflectors:

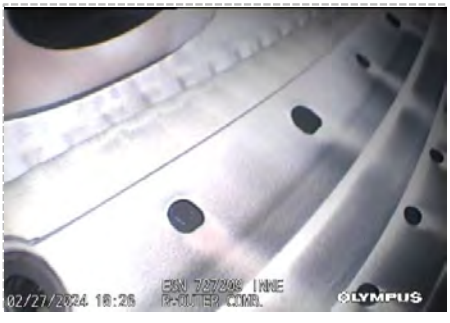
NO DAMAGE FOUND.

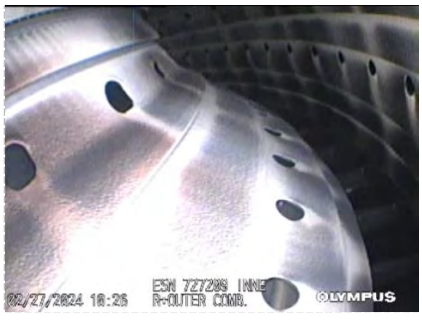
Fuel Nozzles:

NO DAMAGE FOUND.

Inner/ Outer Combustion Liners:

NO DAMAGE FOUND.





CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

High Pressure Turbine (HPT): Reference B737 AMM 72-00-00

HPT NGV'S:

NO DAMAGE FOUND.

Discourager Seal:

THE SEALS SHOW SEVERAL AXIAL CRACKS ALONG THERE CIRCUMFERENTIAL LENGTH.
FOUND TO BE ACCEPTABLE I/A/W
ESM 72-51-06-08.

Stage 1 : HPT BLADES

NO DAMAGE FOUND.

Shroud :

NO DAMAGE FOUND.

9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

Remarks :

FINDINGS ON THE **HPT MODULE** WERE FOUND TO BE ACCEPTABLE. I/A/W B737 AMM 72-00-00 AND ESM 72-51-06-08.

Low Pressure Turbine (LPT): Reference B737 AMM 72-00-00

LPT Stage 1 NGV'S:

ONE LPT T-1 NGV FOUND TO HAVE TWO CRACKS ON THE T/E OF THE VANE. IT WAS FOUND TO BE ACCEPTABLE I/A/W B737 AMM 72-00-00.

9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

CFM56 Engine Borescope Report

Customer	Contact Info.	Engine Type	ESN	LOCATION	DATE	WO#
GTS		CFM56-3C1			2/28/2024	90026

Field Services, Borescope Inspection, Boro Blending, Top/ Bottom Case Repair, Vibration Analysis, Records Review, Engine Preservation, Lease Returns, Engine Disassembly, Engine Repairs, Lease & Exchange.

Stage 1:

MULTIPLE BLADES CONTAIN SIGNS OF MATERIAL PEELING OFF ON AIRFOIL.
FOUND TO BE ACCEPTABLE
I/A/W B737 AMM 72-00-00.

LPT Stage 2 NGV'S :

NO DAMAGE FOUND.

Stage 2:

NO DAMAGE FOUND.

Stage 3:

NO DAMAGE FOUND.

Stage 4:

NO DAMAGE FOUND.

Picture #46

LPT Remarks:

ALL FINDINGS ON THE **LPT MODULE** WERE FOUND TO NOT CREATE AN UNSERVICEABLE CONDITION TO THE MODULE AND ENGINE.
THE LPT MODULE IS FOUND TO BE WITHIN ACCEPTABLE LIMITS I/A/W B737 AMM 72-00-00.

General Engine Remarks:

ALL CONDITIONS ON THE ENGINE MODULES AND RELATED AREAS ARE FOUND TO BE ACCEPTABLE I/A/W B737 AMM 72-00-00 AND CFM56-3 ESM.
THE ENGINE IS FOUND TO BE SERVICEABLE I/A/W B737 AMM 72-00-00.

Signature :

2/28/2024
Date

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Post Test Check List

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

GLOBAL TURBINE SERVICES — REVAMPING AVIATION
9374 N.W. 102 Street, Medley, Florida 33178, U.S.A
www.gtsaviation.com, PH: 1-(786) 476-2166, Fax: 1-(786) 476-2169

CFM56-3 ONLY
Date: 2/26/24

Work Order: 90026
ESN:
Model: CFM56-3C1

Pre-Packing Post-Test Check List Assembly

Customer: GTS

CAUTION: FOD
STRICT ADHERENCE TO GLOBAL TURBINE SERVICE FOD PREVENTION MUST BE OBSERVED I.E.: DUST CAPS INSTALLED, TOOL ACCOUNTABILITY, HARDWARE, DEBRIS AND DISCARDED MATERIAL MUST BE CONTROLLED.

WARNING: IGNITION VOLTAGE IS DANGEROUS. CAREFULLY REMOVE IGNITER LEAD FROM IGNITER PLUGS & DISCHEGE CURRENT TO GROUND BY TOUCHING LEAD CONTACT TO PLUG BODY.

Item	Nomenclature	Mech.	Insp.
CFM56-3, Borescope after test if required per Work Scope. Borescope per AMM 72-00-00.			
**	***Note: Check records for INCOMING borescope. If any stage had a rejection. Perform of borescope inspection of the previously rejected stage for serviceability prior to test.***	MECH GTS 006	GTS INSPECTED INS 10

Item	Nomenclature	Mech.	Insp.
	• Install and torque all borescope plugs and safety wire. CFM56-3 (AMM 72-00-00/603) Use Chart on Page 8.	MECH GTS 006	GTS INSPECTED INS 10
	• Check all borescope plugs for installation and correct safety of plugs.	N/A	GTS INSPECTED INS 10
5.	a. Inspect or Replace Oil supply Filter CFM56-3 IAW AMM 79-21-03 Inspected	MECH GTS 006	GTS INSPECTED INS 10
	b. Inspect or Replace Scavenge oil filter CFM56-3 IAW AMM 79-21-04 Inspected	MECH GTS 006	GTS INSPECTED INS 10
	c. Replace Fuel filter. CFM56-3 IAW AMM 73-11-02 Comply with AD note 2006-26-01. Do not install Western Filter P/N WF337661 of WF337017 and PTI Technologies P/N 7595983-101 or 7588133. Installed P/N 219946	MECH GTS 006	GTS INSPECTED INS 10

CFM56-3

Work Order: 90026

Pre-Packing Check List

Assembly

Item	Nomenclature	Mech	Insp.
5 Cont.	d. **Replace CSD External Oil filter (AMM 24-11-11)**	MECH GTS 006	INSPECTED INS 10
	e. **Check all Filters for Security & safety wire installation.**	N/A	
	f. **Check all tube fittings for proper installation and torque seal to prevent tamper. Check that required external safety wire is in place and is correctly installed.**	N/A	INSPECTED INS 10
	g. **Check data plate.** Current Engine **S/N** 727209 **Model** CFM56-3C1 **SERV BUL** NONE **NOTE: Record ALL previous model configurations and record ALL Service Bulletin conversions below.** NONE	N/A	INSPECTED INS 10
	h. Take Outgoing Pictures A. Picture should be taken of installed ACCY. and Q.E.C Components. B. Surveillance Inspector must review incoming photos of engine and inventory for any missing items. c. **Verify accessories for compatibility with engine model. (MEC, VSV actuators, feedback cable, etc.)**	N/A	INSPECTED INS 10
6.	a. **Complete a post-test Q.E.C Accessory Inventory on GTS form # GTS-CFM56-3-INV-001** Dated 2/28/24	N/A	INSPECTED INS 10
	• Test Cell Engines: Check Engine for completion and accessories required for test are installed. Check applicable engine work scope instructions.	N/A	INSPECTED INS 10
	• Inspect the Fan Blades and examine surrounding area for general condition.	N/A	INSPECTED INS 10
	b. Check all flanges for security of hardware.	N/A	INSPECTED INS 10
	c. Check all openings and Electrical plugs are covered.	N/A	INSPECTED INS 10
	d. Fan Frame Generator Cooling inlet must be covered with		

CFM56-3

Work Order: 90026

Pre-Packing Check List

Assembly

	bright color tape. **CFM56-3 ONLY.**	N/A	INSPECTED INS 10
	e. Ensure VBV Doors are closed.	N/A	GTS INSPECTED INS 10
	f. Ensure LPT case cooling manifold distribution box opening is covered. **CFM56-3 ONLY.**	N/A	INSPECTED INS 10
	g. Ensure Fan Frame air outlet is covered.	N/A	GTS INSPECTED INS 10
	h. Install Turbine Exhaust Plug ASSY CFM56-3 (AMM 78-11-02)	PCW	PCW
	• Install Turbine Exhaust Sleeve ASSY. CFM56-3 (AMM78-11-01) CFM56-7 (AMM78-11-01)	PCW	PCW
	• Install Exhaust Sleeve Fairing left and right side. **CFM56-3 ONLY**	PCW	PCW
	• Ensure Exhaust Sleeve and plug openings are covered.	N/A	GTS INSPECTED INS 10

Item	Nomenclature	Mech.	Insp.
6 Cont.	i. Ensure Locking adapter for AGB hand cranking drive is removed. Check cover plate for installation and security	N/A	GTS INSPECTED INS 10
	j. Attach Engine mount cone bolts and related hardware if necessary.		GTS INSPECTED INS 10
	k. Check Flange "T" to ensure bolts are installed at Appx. 3:00 O'clock and 9:00 O'clock position ALF.	N/A	GTS INSPECTED INS 10
	l. Ensure that CSD, Starter and oil tank chip detectors are installed.	N/A	GTS INSPECTED INS 10
	m. Prior to engine going to customer, review computer for outstanding discrepancies. Clear all discrepancies which will affect engine testing acceptance.	N/A	GTS INSPECTED INS 10
	n. Record Engine shipping stand S/N 13153-9 Color = Blue	N/A	GTS INSPECTED INS 10
	o. Inspect Engine shipping stand for damage and condition	N/A	GTS INSPECTED INS 10
	p. Place Engine in shipping stand and install proper bolts		GTS INSPECTED INS 10

CFM56-3

Work Order: 90026

Pre-Packing Check List

	Assembly	MECH	
	to secure engine in stand. All mount attach bolts must be secure and safetied	GTS 006	GTS INSPECTED INS 10
	q. Install fan inlet cover and secure it to the inlet flange.	MECH GTS 006	GTS INSPECTED INS 10
	r. Attach all necessary paperwork to engine.	N/A	GTS INSPECTED INS 10
	s. Take pictures of engine in shipping stand to include all mount bolts and paper work attached to engine.	N/A	GTS INSPECTED INS 10
	t. Check form for satisfactory completion and that all required items have been stamped off prior to release of engine to test or return to customer.	N/A	GTS INSPECTED INS 10
	• Prior to engine return, check and confirm all discrepancies are cleared and closed if engine is to be returned to customer.	N/A	GTS INSPECTED INS 10
	u. Engine ready for release from shop to Test Cell.	N/A	N/A
	v. Engine ready for release from shop to customer.	N/A	GTS INSPECTED INS 10

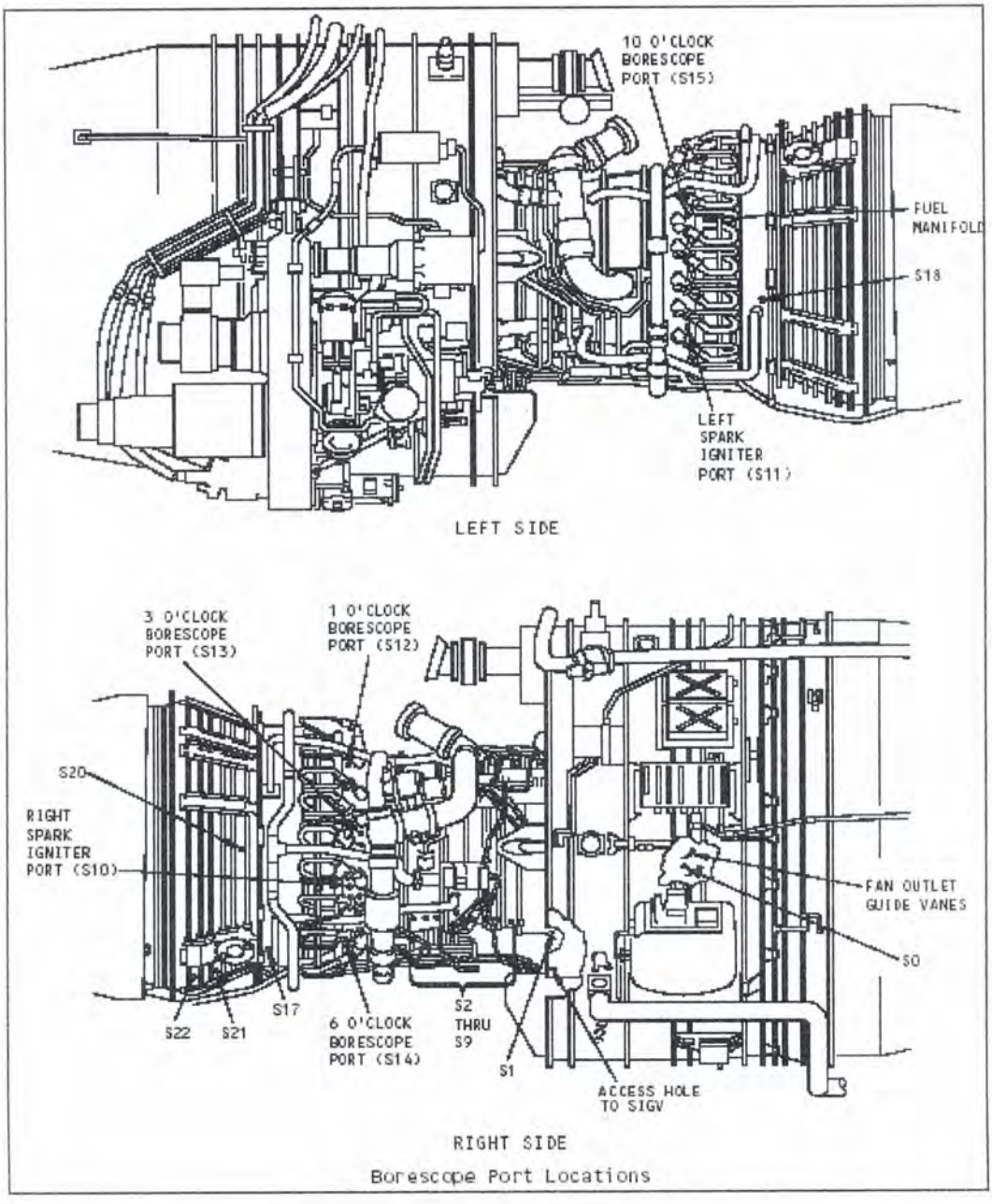
CFM56-3

Work Order: 90026

Pre-Packing Check List

Assembly

CFM56-3 ONLY



Borescope Port Locations

CFM56-3

Work Order: 90026

Pre-Packing Check List

Assembly

CFM56-3 ONLY

HPC	MECH	INSP	TORQUE
S1	GTS 006 MECH	INS 10	57 to 63 Pound-Inches
S2	MECH GTS 006	INS 10	
S3	GTS 006 MECH	INS 10	
S4	GTS MECH 006	INS 10	
S5	GTS 006 MECH	INS 10	
S6	GTS MECH 006	INS 10	
S7	GTS 006 MECH	INS 10	Inner Plug 90 to 100 Pound-Inches. Loosen Inner Plug by one half turn. Torque to 15-20 Pound-Inches.
S8	GTS MECH 006	INS 10	
S9	GTS 006 MECH	INS 10	Outer Plug 57 to 63 Pound Inches
Combustion Chamber			
S12	GTS MECH 006	INS 10	57 to 63 Pound-Inches
S13	GTS 006 MECH	INS 10	
S14	GTS MECH 006	INS 10	
S15	GTS 006 MECH	INS 10	
HPT Shroud STG 1 HPT			
S17	GTS MECH 006	INS 10	57 to 63 Pound-Inches
S18	GTS 006 MECH	INS 10	
Low Pressure Turbine			
S20	GTS MECH 006	INS 10	57 to 63 Pound-Inches
S21	GTS 006 MECH	INS 10	
S22	GTS 006	INS 10	

CAUTION: IF YOU DO NOT ENGAGE THE INNER CAP OF THE BORESCOPE PLUG CORRECTLY, IT WILL MOVE THE COMPRESSOR REAR CASE AS YOU TIGHTEN THE OUTER CAP. THIS WILL PREVENT FREE MOVEMENT OF THE COMPRESSOR ROTOR. THIS CAN CAUSE DAMAGE TO THE ENGINE.

CAUTION: FOR S7, S8, AND S9 BORESCOPE PLUGS.

CFM56-3

Work Order: 90026

Pre-Packing Check List

Assembly

NOTE: If the inner plug is correctly engaged and the threads are not damaged, then the outer plug will engage when you tighten it with your hand.

CAUTION: MAKE SURE YOU INSTALL THE CORRECT BORESCOPE PLUG IN THE CORRECT LOCATION. THE BORESCOPE PLUG TO THE LPT STAGE 1 AND COMBUSTION CASE HAVE THE SAME THREAD SIZE. THE BORESCOPE PLUG STEM OF THE LPT STAGE 1 NOZZLE WILL BE BURNED AWAY IF IT IS INSTALLED IN THE BORESCOPE PORT OF THE COMBUSTION CASE.

FORM CLOSE OUT

NAME: 

DATE: 3/5/2024

I, THE ABOVE SIGNED PERSON, ENSURES THAT THE ABOVE REFERENCED ENGINE IS READY FOR RELEASE TO CUSTOMER. I HAVE REVIEWED THE RECORDS PACKAGE INCLUDING THE 1) WORK SCOPE, 2) INVENTORY CONFIGURATION AND 3) OUTGOING PHOTOS.

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

QEC & Component Inventory List

CFM56-3C-1

ENGINE S/N

W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

Certificate No. AGS-USII0922-3

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

Basic Engine Accessory Components :

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
1	MEC	1459M27P06 (8063-215) (-3C1)	73-21-10-1-010	1	8063-215	WYG95823	Yes
2	Main Fuel Pump	301-779-001-0 (708600-2)	73-11-10-1-010	1	708600-7	YA021067-8	Yes
3	Fuel / Oil Heat Exchanger	301-776-402-0 (69202-300-2)	79-21-20-1-010	1	69202-300-3	11832	Yes
4	Servo Fuel Heater	301-776-501-0 (45731-1251-1)	73-00-00-40-051	1	45731-1251-1	FHS12666	Yes
5	CIT Sensor	9334M96P02 (8901-274)	73-21-20-1-010	1	8901-274	WYG68977	Yes
6	PMC	7157M68P04 (-3C1)	73-21-30-1-010	1	7147M10G03	ECDB2122	Yes
7	Lubrication Unit	335-261-004-0	79-21-10-1-010	1	335-261-004-0	4850	Yes
8	Oil Scavenge Filter	QA03639ISS8 / QA06961ISS3	79-21-30-1-010 / 011	1	335-260-704-0	RK7-1117	Yes
9	Accessory Gearbox - AGB	335-300-110-0	72-63-00-1-001	1	335-300-112-0	WB5249	Yes
10	Transfer Gearbox - TGB	335-300-012-0	72-62-00-1-001	1	335-300-012-0	VB5331	Yes
11	HPT Active Clearance Control Valve (HPTACCV)	7061M31G04	75-21-10-1-010	1	7061M31G05	GAT50003	Yes
12	HPT Active Clearance Control Valve Timer	7119M71G07	72-00-00-86-010	1	7119M71G07	G0S00775	Yes
13	HPT Active Clearance Control Valve Solenoid	301-787-401-0 (3264-100)	72-00-00-84-901	1	N/V	N/V	Yes
14	Bleed Flow Bias Sensor	7082M47G07	75-00-00-31-010	1	7082M47G07	FDH02095	Yes
15	Stage 5 Start Air Bleed Valve	1527M90P01 (324495)	75-00-00-35-230	1	324495	WCPB1861	Yes
16	Fuel Nozzles	1317M47G01 / G17	73-11-40-1A-020	20	N/V	N/V	Yes
17	VBV Fuel Gear Motor	301-776-704-0 (706400-4)	75-31-10-1-010	1	706400-4	13146V	Yes
18	VBV Feedback Cable	580-268-041	75-31-00-1-010	1	N/V	N/V	Yes
19	VSV Actuator - L/H	1521M72P01 (1211175-011)	75-32-10-1-012	1	1211175-011	APMBT230	Yes
20	VSV Actuator - R/H	1521M72P01 (1211175-011)	75-32-10-1-112	1	1211175-011	APMBR731	Yes
21	VSV Feedback Cable	580-285-054	75-32-20-1-010	1	N/V	N/V	Yes
22	Ignition Exciter Box - Upper	9238M66P07 (10-631045-1)	74-00-00-2-010	1	10-631045-1	8999K	Yes
23	Ignition Exciter Box - Lower	9238M66P07 (10-631045-1)	74-00-00-2-010	1	10-631045-1	UNJ55597	Yes
24	Ignition Lead - L/H	9339M26P14 (9043185-14)	74-00-00-2-120	1	9339M26P14	6M884	Yes
25	Ignition Lead - R/H	9339M26P13 (9043185-13)	74-00-00-2-130	1	9339M26P13	Y6037	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
26	Igniter Plug - L/H	CH31900 / 9044035-1	74-00-00-2-661	1	N/V	N/V	Yes
27	Igniter Plug - R/H	CH31900 / 9044035-1	74-00-00-2-510	1	N/V	N/V	Yes
28	Oil Tank	335-261-202-0	79-11-10-1-010	1	335-260-203-0	3300	Yes
29	N1 Speed Sensor	320-094-001-0	77-11-10-1-010	1	320-094-001-0	12625	Yes
30	N2 Rotor Alternator	9974M83P01 (49574)	72-00-00-15-620	1	49574	GJAL4414	Yes
31	N1 Vibration Transducer	301-777-001-0 (6237M69A)	72-00-01-1-090	1	N/V	N/V	Yes
32	N2 Vibration Transducer	301-779-602-0 (6237M86B)	72-00-00-82-010	1	N/V	N/V	Yes
	T1.2 Sensor	301-798-601-0 (154BY)	73-21-40-1-010 (71-00-02-19-1-050)	1	N/V	N/V	Yes
34	T2 Sensor	9375M82P04 (8901-278)	73-21-25-1-010 (71-00-02-19-1-100)	1	8901-326	WYG99111	Yes
35	Control Alternator	9974M82P03 (44376-1)	77-11-20-1-010	1	9974M82P03	GJAH7795	Yes

OEC Installation Hardware

Forward Engine Mount Installation:

36	Left Thrust Link Fitting	310A1036-2	71-00-02-2-1-005	1	310A1036-2	N/V	Yes
37	Left Fan Case Support Assembly	310A1020-17/-19	71-00-02-2-1-030	1	310A1020-30	N/V	Yes
38	Right Thrust Link Fitting	310A1036-1	71-00-02-2-2-005	1	310A1036-1	N/V	Yes
39	Right Fan Case Support Assembly	310A1020-18/-30	71-00-02-2-2-030	1	310A1020-29	N/V	Yes
40	Cone Bolt R/H	310A1041-1/ -2/ -5/ -7	71-21-13-070	1	310A1041-5	5894	Yes
41	Cone Bolt L/H	310A1041-1/ -2/ -5/ -7	71-21-13-070	1	310A1041-5	1867A	Yes
42	Thrust Link Assembly	310A1020-20		1	N/V	N/V	Yes

Aft Engine Mount Installation:

43	Aft Engine Mount Assembly	310A1020-14/21/-22/-26	71-00-02-2-3-005	1	310A1025-8	0523	Yes
44	Shoulder Bolts	310T1036-9/-12	71-00-02-2-3-010	2	310T1036-6	N/S/N	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
	Extension Ring / Engine Core Drain Installation:						
45	Extension Ring 6 o'clock - Lower Fitting	333A1161-1	71-00-02-3-1-025	1	N/V	N/V	Yes
46	CIT Sensor Drain Line Tube	332A1070-11/-45	71-00-02-3-1-005	1	N/V	N/V	Yes
47	HPTCC Valve Drain Line Tube	332A1070-10/-44	71-00-02-3-1-040	1	N/V	N/V	Yes
48	Fuel Supply Shroud Drain Line Tube	332A1070-26/-46	71-00-02-3-1-050	1	N/V	N/V	Yes
49	VSV Actuator Drain Line Tube	332A1070-12/-35/-47	71-00-02-3-1-060	1	N/V	N/V	Yes
50	VBV Fuel Gear Motor Drain Line Tube	332A1070-13/-36/-48	71-00-02-3-1-070	1	N/V	N/V	Yes
	Extension Ring / 5th & 9th Stage Bleed Control System Installation:						
51	Control Line Tubes - HP S/O Valve - HP Regulator	332A1034-11, -42	71-00-02-3-2-030, -085	2	N/V	N/V	Yes
52	Control Line Tubes - HP S/O Valve - HP Regulator	332A1034-10, -41	71-00-02-3-2-040, -090	2	N/V	N/V	Yes
53	(Engines without Potable Water Pressurization System)	----------	----------	----			
54	Control Line Tubes - HP S/O Valve - HP Regulator	332A1034-36, -41 (TEE 3:00)	71-00-02-3-2-040, -090	2	N/V	N/V	Yes
55	(Engines with Potable Water Pressurization System Only)	----------	----------	----			
56	Control Line Tube - HP S/O Valve - HP Regulator	332A1034-28, -41 (TEE NOT AT 3:00)	71-00-02-3-2-040, -090	2	N/V	N/V	Yes
57	(Engines with Potable Water Pressurization System Only)	----------	----------	----			
58	Control Line Tube - HP S/O Valve - HP Regulator	332A1034-34	71-00-02-3-2-125	1	N/V	N/V	Yes
59	(Engines with Potable Water Pressurization System Only)	----------	----------	----			
	Extension Ring Installation:						
60	Extension Ring Assembly	333A1100-9/-10/-12	71-00-02-3-3-005	1	N/V	N/V	Yes
61	Extension Ring Fitting -L/H	315A1066-11/-13/-19/-23	71-00-02-3-3-165	1	N/V	N/V	Yes
62	Extension Ring Fitting - R/H	315A1066-12/-14/-24/-30	71-00-02-3-3-405	1	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
	Drains Installation - Left Side Strut / Accessory Drives / Right Side Strut / Oil Tank Scupper:						
63	Left Side Strut Drain Tubes and Hose	332A1070-33, -32, -38, -34 / AS11508H0156	71-00-02-6-2-085, -080, -050, -005, -040	5	N/V	N/V	Yes
64	Accy Drain Tubes - Fwd Sump Pad Drain Left Rear Fan Case	332A1070-40	71-00-02-6-3-030	1	N/V	N/V	Yes
65	Accy Drain Tubes - MEC Casing Drain	332A1070-27	71-00-02-6-3-040	1	N/V	N/V	Yes
66	Accy Drain Tubes - Oil/Fuel Heat Exchanger Drain	332A1070-40	71-00-02-6-3-060	1	N/V	N/V	Yes
67	Accy Drain Tubes - MEC Shaft Drain	332A1070-5	71-00-02-6-3-080	1	N/V	N/V	Yes
68	Accy Drain Tubes - Starter Pad Drain	332A1070-41	71-00-02-6-3-100	1	N/V	N/V	Yes
69	Accy Drain Tubes - Fuel Pump Pad Drain	332A1070-42	71-00-02-6-3-110	1	N/V	N/V	Yes
70	Accy Drain Tubes - Hydraulic Pump Pad Drain	332A1070-49	71-00-02-6-3-300	1	N/V	N/V	Yes
71	Accy Drain Tubes - Generator / Pad Drain CSD G-Box Sump	332A1070-43	71-00-02-6-3-330	1	N/V	N/V	Yes
72	Accy Drain Tubes - Generator Pad Drain - CSD	332A1070-24	71-00-02-6-3-360	1	N/V	N/V	Yes
73	Right Side Strut Drain Tubes and Hose	332A1070-31, -17 / AS116-08H0084	71-00-02-6-4 -050, -005, -040	3	N/V	N/V	Yes
74	Oil Tank Scupper Drain Tube	332A1070-30	71-00-02-6-5-005	1	N/V	N/V	Yes
	Fuel Flow Transmitter Installation:						
75	Fuel Flow Transmitter	S347T001-6 (8TJ124GGM1)	71-00-002-7-1-020	1	8TJ124GGM1	10527	Yes
76	Downstream Filter	P/N AS APPLICABLE	CFMI SB 73-134	1	301-807-203-0	EM377099-6	Yes
	Fuel Supply Inlet Line Installation:						
77	Fuel Supply Inlet Hose	S332A004-2 (109003-2)	71-00-02-7-2-005	1	N/V	N/V	Yes
	Fuel Filter Differential Pressure Switch Installation:						
78	Fuel Filter Differential Pressure Switch	S332AT004-7 (21SN04-209A)	71-00-02-7-3-005	1	21SN04-209A	M603A	Yes
79	Fuel Filter Differential Pressure Switch Flexible Hoses	MS8005E111CF / BACH5M0121ARW	71-00-02-7-3-060, -080	2	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
	5th & 9th Stage Bleed Control System Installation:						
80	Bleed Air Regulator	10-62008-23, -37 (107492-2, -3)	71-00-02-8-1-015	1	N/V	N/V	Yes
81	Bleed Air Regulator Control Line Tubes and Hoses	332A1034-4, -21, -22, -44 / 60B90135-62, -68	71-00-02-8-1-050, 055, 085, -090, -150, -160	3	N/V	N/V	Yes
82	Engines with Control Line to Bleed Regulator	332A1034-22,-21, /60B90135-68	71-00-02 8-1 50,90,160	3	N/V	N/V	Yes
83	Bleed Air Regulator Control Line Tubes to Precooler Valve	332A1034-3, -12. -39, -25	71-00-02-8-1-190, -220, -265, -295	4	N/V	N/V	Yes
84	High Stage Regulator	10-62008-15/-31/-19 (107484-3/ -5/-6)	71-00-02-8-1-310	1	10-62008-31	2274	Yes
85	High Stage Regulator Line Tube to Starter Duct (Hard Line)	332A1034-19, -20	71-00-02-8-1-385, 422	2	N/V	N/V	Yes
86	High Stage Regulator Line Tube/Hose to Starter Duct	332A1034-23, -24 / 60B90135-30	71-00-02-8-1-380, -420, 425	3	N/V	N/V	Yes
	5th Stage Bleed Duct Installation:						
87	Upper Left 5th Stage Duct Assembly - 1 piece config.	332A1320-1	71-00-02-8-2-008	1	N/V	N/V	Yes
88	Upper Left 5th Stage Duct Assembly - 2 piece config.	332A1303-12/-15/-16	71-00-02-8-2-010	1	N/A	N/A	No
89	TAI Duct	332A1312-14/-9	71-00-02-8-2-020	1	N/V	N/V	Yes
90	Lower 5th Stage Bleed Duct Segment	332A1304-23/-24	71-00-02-8-2-040	1	N/V	N/V	Yes
91	LP 5th Stage Check Valve	10-62008-1 (3202222-1)	71-00-02-8-2-065	1	3202222-1	2508	Yes
	9th Stage Bleed Duct Installation:						
92	Lower 9th Stage Bleed Duct Segment - 4 piece duct config.	332A1306-1	71-00-02-8-3-005	1	N/V	N/V	Yes
93	Left 9th Stage Bleed Duct Segment- 4 piece duct config.	332A1305-9	71-00-02-8-3-035	1	N/V	N/V	Yes
94	Manifold - 9th Stage Bleed Duct Segment - 4 piece duct config.	332A1308-7	71-00-02-8-3-065	1	N/V	N/V	Yes
95	Right 9th Stage Bleed Duct Segment - 4 piece duct config.	332A1307-12	71-00-02-8-3-080	1	N/V	N/V	Yes
96	9th Stage Bleed Duct Segment - 2 piece duct config.	332A1330-1	71-00-02-8-3-110	1	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
97	Left 9th Stage Bleed Duct Segment- 2 piece duct config.	332A1305-9	71-00-02-8-3-145	1	N/V	N/V	Yes
98	Lower 9th Stage Bleed Duct Segment - 3 piece config.	332A1306-1	71-00-02-8-3-005	1	N/V	N/V	Yes
99	Left 9th Stage Bleed Duct Segment - 3 piece duct	332A1305-9	71-00-02-8-3-035	1	N/V	N/V	Yes
100	Right / Manifold Bleed Segment - 3 piece duct	332A1317-1	71-00-02	1	N/V	N/V	Yes
101	High Stage / High Pressure Shut-Off Valve	10-62-008-2, -17, -29, -32 (3214446-2, -3, -4)	71-00-02-8-3-175	1	3214446-4	2427	Yes
102	Right 9th Stage Bleed Duct Segment	332A1311-20 / -30	71-00-02-8-3-195	1	N/V	N/V	Yes
103	Duct Assembly - 9th Stage to 5th Stage Junction Manifold	332A1327-5 / -11	71-00-02-8-3-200	1	N/V	N/V	Yes
	Fan Air / Precooler Control Valve Installation:						
104	Fan Air / Precooler Control Valve	10-62008-20 / -28 / -33 (3289562-3 / -4 / -5)	71-00-02-8-4-005	1	3289562-5	4793	Yes
	Pressure Regulating and Shut-Off Valve Installation (PRSOV):						
105	Pressure Regulating and Shut-Off Valve	10-62008-21 / -30 (3214552-4 /-5)	71-00-02-8-5-005	1	3214552-5	3851	Yes
	Oil Pressure Transmitter Installation:						
106	Oil Pressure Transmitter	418-20044	71-00-02-9-1-005	1	418-20044	8916269	Yes
	Low Oil Pressure Switch Installation:						
107	Low Oil Pressure Switch	10-3269-12 (21SN04-211A)	71-00-02-9-2-005	1	21SN04-211A	M690A	Yes
108	Low Oil Pressure Switch/Oil Pressure Transmitter Tubing/Hose	332A1041-19, -16, -17, -18 / BACH5M0121AR-W	71-00-02-9-2-035, -065, -090, 120	4	N/V	N/V	Yes
	Oil Filter Differential Pressure Switch and Oil Temperature Sensor Installation:						
109	Oil Filter Differential Pressure Switch	10-3269-13 (21SN04-226A)	71-00-02-9-3-005	1	21SN04-226A	P393B	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
110	Oil Filter Differential Pressure Switch Tubing	332A1041-12/-22, -11	71-00-02-9-3-055, -080	2	N/V	N/V	Yes
111	Oil Temperature Transmitter	1122514-3PIN (56B94-7 PIN)	71-00-02-9-3-125	1	N/V	N/V	Yes
	Oil Quantity Transmitter Installation:						
112	Oil Quantity Transmitter	10-60722-11 (20041-0000-03)	71-00-02-9-3-010	1	10-60722-11	1965G	Yes
	Throttle Fuel Control Box Installation:						
113	Fuel Control Box Assembly - CFM56-3C1 for B737-500	315A1040-11	71-00-02-10-1-005	1	N/A	N/A	No
114	Fuel Control Box Assembly - CFM56-3C1 for B737-300	315A1040-7	71-00-02-10-1-005	1	N/A	N/A	No
115	Fuel Control Box Assembly - CFM56-3B for B737-300	315A1040-6	71-00-02-10-1-005	1	315A1040-9	DLH6685	Yes
	Primary Exhaust Sleeve and Exhaust Plug Installation:						
116	Exhaust Plug	314A1501-9/-13/-16/-18	71-00-02-11-1-025	1	314A1501-18	2585	Yes
117	Exhaust Sleeve	314A1502-1/-37/-51/-58/-59/-71	71-00-02-11-1-045	1	314A1502-58	2147	Yes
	CSD and AC Generator Installation:						
118	Constant Speed Drive (CSD)	10-61066-11 (735511A)	71-00-02-12-1-045	1	735511A	B2662	Yes
119	CSD QAD Ring	693608	71-00-02-12-1-035	1	693608	15748	Yes
120	AC Generator	10-61224-12 (976J498-2)	71-00-02-12-1-100	1	976J498-2	WT16559	Yes
	CSD / AC Generator Cooling Air Duct Installation:						
121	By-Pass Air Duct Segment - Fan Case - R/H	332A1200-3	71-00-02-12-2-005	1	N/V	N/V	
122	AC Generator Cooling Air Adapter	332A1025-2	71-00-02-12-2-040	1	N/V	N/V	Yes
123	By-Pass Air Duct Segment - Lower Fan Case Fwd	332A1200-1/-8/-9	71-00-02-12-2-065	1	N/V	N/V	Yes
124	Elbow - 1 piece Collector Ring Only	332A1202-1	72-00-02-12-2-150	1	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
125	Collector Ring - 1 piece Only	332A1201-37/-41/-51/-52	72-00-02-12-2-155	1	N/A	N/A	No
126	Collector Ring - 2 piece Only	332A1201-54/-53/-64	72-00-02-12-2-152/-156	2	N/V	N/V	Yes
127	CSD Generator Oil Cooler	10-61233-11 (UA538551-2)	71-00-02-12-(3/7)-005	1	UA538551-2	4403	Yes
	CSD Generator Oil Cooler Plumbing Installation:						
128	Oil Cooler Filter	7581418	71-00-02-12-(4/8)-015	1	N/V	N/V	Yes
129	Oil Cooler Inlet Line Hose & Tubes	AS1634A08H0194, 332A1024-8, AS1633A08H0160	71-00-02-12-(4/8) - 045, -140, 185	3	N/V	N/V	Yes
130	Oil Servicing Line Hose (N/A if solid tube line installed)	AS117-06H0236	71-00-02-12-(4/8)-210	1	N/V	N/V	Yes
131	Oil Servicing Line Tube (N/A if flexible hose line installed)	332A1024-4	71-00-02-12-(4/8)-240	1	N/V	N/V	Yes
132	Oil Temperature Switch	975-0221-001	71-00-02-12-(4/8)-075	1	N/V	N/V	Yes
133	CSD (only) Oil Cooler Outlet Line Tubes & Hose	332A1024-5, -2, AS1633A10H0160	70-00-02-12-4-080, 165, 275	3	N/V	N/V	Yes
	Hydraulic Pump Installation:						
	Vickers -						
134	Hydraulic Pump - Vickers, Steel Spline	10-61794-1 (371380	71-00-02-13-1-15	1	N/A	N/A	No
135	Hydraulic Pump - Vickers, Vespel Spline	10-61794-2 (623337)	71-00-02-13-1-115	1	N/A	N/A	No
136	Hydraulic Pump QAD Clamp	374105	71-00-02-13-1-80-180	1	N/A	N/A	No
137	Hydraulic Pump QAD Adapter	374105	71-00-02-13-1-75	1	N/A	N/A	No
	Abex -						
138	Hydraulic Pump - Abex Steel Spline	10-80470-10 (55098-01)	71-00-02-13-2-175	1	N/A	N/A	No
139	Hydraulic Pump - Abex with QAD Adapter	10-60470-13 (65075-08)	71-00-02-13-2-115	1	65075-06	183930A	Yes
140	Hydraulic Pump - Abex Incl. Vespel Spline	10-60470-12 (55098-08)	71-00-02-13-2-315	1	N/A	N/A	No
141	Hydraulic Pump - Abex Large Capacity with QAD Adapter	10-62167-2 (66087)	71-00-02-13-2-415	1	N/A	N/A	No
142	Hydraulic Pump QAD Clamp	22807	71-00-02-13-2-179-479	1	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
143	Hydraulic Pump QAD Adapter	55745	71-00-02-13-2-175-475	1	N/V	N/V	Yes
	Hydraulic Pump Plumbing Installation:						
144	Hydraulic Supply Hose	S332A005-15	71-00-02-13-3-010	1	N/V	N/V	Yes
145	Hydraulic Pressure Hose - Abex Pump	S332A005-14	71-00-02-13-3-020	1	N/V	N/V	Yes
146	Hydraulic Pressure Hose - Vickers Pump	S332A005-12	71-00-02-13-3-020	1	N/V	N/V	Yes
147	Hydraulic Case Drain Hose	S332A005-17	71-00-02-13-3-030	1	N/V	N/V	Yes
148	Quick Disconnect (Large)	S270T202-11	71-00-02-13-3-5	1	N/V	N/V	Yes
149	Quick Disconnect (Medium)	S270T202-13	71-00-02-13-3-13	1	N/V	N/V	Yes
150	Quick Disconnect (Small)	S270T202-15	71-00-02-13-3-15	1	N/V	N/V	Yes
151	Coupling (Small)	S332A005-18 / AE83617G	71-00-02-13-3-126	1	N/V	N/V	Yes
152	Coupling (Medium)	S332A005-13 / AE83617J	71-00-02-13-3-127	1	N/V	N/V	Yes
153	Coupling (Large)	S332A005-16 / AE83617M	71-00-02-13-3-128	1	N/V	N/V	Yes
	Starter and Start Valve Installation:						
154	Starter	3505526-3-1/-5-1/-6-1, 3505716-3/-5/-6	71-00-02-14-1-020	1	3505526-6-1	2455	Yes
155	Start Air Valve	S332A002-1/-3/-2 (3289630-1/-3/-2)	71-00-02-14-1-035	1	3289630-2	13489	Yes
156	5th Stage Start Bleed Valve Air Signal Line Hose	60B90135-61 (16005-1)	71-00-02-14-1-070	1	N/V	N/V	Yes
	Starter Duct Installation:						
157	Starter Air Duct Assembly	332A1301-1	71-00-02-14-2-005	1	N/V	N/V	Yes
	Inlet Cowl Thermal Anti-Ice System Installation:						
158	TAI Valve	S332A101-5/-6/-7/-8 (172625-5/-6/-7, 3290662-1)	71-00-02-15-1-055	1	172625-7	3001	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
159	Upper Duct Assembly	N/A332A1314-19	71-00-02-15-1-025	1	N/V	N/V	Yes
160	TAI Pressure Switch	21SN41-52	71-00-02-15-1-125	1	21SN41-52	0192A	Yes
161	TAI "S" Tube	332A1035-2	71-00-02-15-1-155	1	N/V	N/V	Yes
162	TAI "S" Tube Elbow	BACE21BT0606JN	71-00-02-15-1-150	1	N/V	N/V	Yes
	Fire / Overheat Detector Installation:						
	Kidde -						
163	Fire Detector - Upper R/H Fan Case - with terminals	472583 / 472583-1	71-00-02-16-1-005	1	N/A	N/A	
164	Fire Detector - Upper R/H Fan Case - with connectors	472094	71-00-02-16-1-005	1	N/A	N/A	
165	Fire Detector- Lower Fan Case - with terminals	472584 / 472584-1	71-00-02-16-1-010	1	N/A	N/A	
166	Fire Detector- Lower Fan Case - with connectors	899321	71-00-02-16-1-010	1	N/A	N/A	
167	Fire Detector - Turbine Case - with terminals	472582 / 472582-1	71-00-02-16-1-015	1	N/A	N/A	
168	Fire Detector - Turbine Case - with connectors	899323	71-00-02-16-1-015	1	N/A	N/A	
	Systron Donner -						
169	Fire Warning Conversion Kit	301A0200-6	S/B 737-26-1065	1	N/V	N/V	Yes
170	Fire Detector - Upper R/H Fan Case	10-61096-55 (6674)	71-00-02-16-2-005	1	10-61096-55	9655	Yes
171	Fire Detector- Lower Fan Case	10-61096-56 (6676)	71-00-02-16-2-010	1	10-61095-56	7183	Yes
172	Fire Detector - Turbine Case	10-61096-58 (6678)	71-00-02-16-2-015	1	10-61096-58	12262	Yes
	Electrical Harnesses Installation:						
173	W0200 Wire Bundle Assembly (GENERATOR)	61-30200 (W0200)	71-00-02-18-1-005	1	N/V	N/V	Yes
174	W1502 Wire Bundle Assembly (GENERATOR)	61-31502 (W1502)	71-00-02-18-1-010	1	N/V	N/V	Yes
175	W1504 Wire Bundle Assembly (EXCITER BOX UPPER)	61-31504 (W1504)	71-00-02-18-1-015	1	N/V	N/V	Yes
176	W1506 Wire Bundle Assembly (EXCITER BOX LOWER)	61-31506 (W1506)	71-00-02-18-1-020	1	N/V	N/V	Yes

INVENTORY LIST : CFM56-3 ENGINES

B737-300/400/500 QEC CONFIGURATION

Certificate No. AGS-USII0922-3

ENGINE MODEL: CFM56-3C1
WORK ORDER: 90026
DATE: 2/28/24
CUSTOMER: GTS
ESN: [redacted]

	Description of Component	Typical Part Number	GE IPC & PPBU Fig. Ref.	Qty req	Part No	Serial No	Installed? Y / N
177	W1508 Wire Bundle Assembly (ENGINE CORE)	61-31508 (W1508)	71-00-02-18-1-025	1	N/V	N/V	Yes

THERMOCOUPLE WIRING HARNESS

T495 THERMOCOUPLE WIRING HARNESS				CA150-00	15904	Yes
T495 THERMOCOUPLE WIRING HARNESS				TC174-02	16127R	Yes
T495 THERMOCOUPLE WIRING HARNESS				TC174-02	19603R	Yes
T495 THERMOCOUPLE WIRING HARNESS				CA151-00	16698	Yes
T495 THERMOCOUPLE WIRING HARNESS				TC200-02	16403R	Yes
T495 THERMOCOUPLE WIRING HARNESS				CA152-01	16787	Yes

Inspector

2/28/24
Date

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Non-Incident Statement

CFM56-3C-1

ENGINE S/N .

W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

Our Ref.

Incident/Accident Clearance Statement

To: Whom It May Concern

Engine serial number , details of which are specified below, has been operated by Thai Airways International PLC., during the period from 09 September 1991 to 4 July 2022.

Configuration details as of date of this statement;

Description	Type/Part NO.	Serial number	TSN / CSN *First Operation*	TSN / CSN *Last Operation*
Engine	CFM56-3C-1		5 / 5	36587:48 / 41521

I hereby certify that, to the best of my knowledge, during the period stated above:

1. Neither the engine, nor any part installed have been

a. damaged during, or identified as the root cause of, a reportable incident or accident as defined by Annex 13 to the Chicago Convention, or

b. subjected to severe stress or heat (such as in a major engine failure, accident, or fire) or has been submersed in salt water, unless its airworthiness status was re-established by an approved maintenance organization in accordance with the instructions of the type certificate holder and/or OEM of the part, and supported by an authorized airworthiness release certificate

2. No part has been installed on the engine which was obtained from a military source or was previously fitted to a state aircraft as deemed by Article 3 of the Chicago Convention.

Thai Airways International Public Company Limited

Wisawa Pongsuwan

Head Quality Assurance Department

04 July 2022

Date

1000/263

GLOBAL TURBINE SERVICES REVAMPING AVIATION

ISO 9001 CERTIFIED

Warranty

CFM56-3C-1

ENGINE S/N
W/O # 90026

9374 N.W. 102nd. Street, Medley Florida 33178, USA PH: 1(786) 476-2166, Fax: 1(786) 476-2199 www.gtsaviation.com

03/05/2023

G.T.S. Service Repairs & Overhaul Warranty

Global Turbine Services, Inc. Represent and warrant that its workmanship conforms to the intent of the requirement of the manufacturer, and that its quality is in accordance with all the applicable provisions of the Federal Aviation Regulations, (F.A.A.)

G.T.S. does not warrant parts, materials nor services supplied of performed by other companies, but agrees to use its best effort and knowledge to ensure that the suppliers and sub-contractor's warranties with respect to such parts, material and services will be extended to cover and be enforceable by the customer.

G.T.S. will act for its customers in the processing of any claims or adjustments arising out of and because of defective parts, materials and workmanship in accordance with such suppliers and subcontractor's warranties.

G.T.S. will extend a 100% warranty on its Overhauled/Repaired engine for a period of twelve (12) months or 1000 hours whichever occurs first. An accessory overhauled by G.T.S. is covered for one (1) year or one thousand (1000) hours, in case of the repaired accessories the warranty is for a period of six (06) months or 1000 hours whichever occurs first.

G.T.S. liability is limited to the repair or replacement at its option of the defective parts or accessories overhauled or repaired by G.T.S. which are determined, solely in the opinion of G.T.S. to have been defective due to the faulty workmanship by G.T.S. Warranty allowances shall not exceed the net price shown on the original overhaul or repaired invoice.

The responsibility of G.T.S. under this warranty is further limited by the following conditions:

1. Defects in workmanship must be discovered before the period of warranty and G.T.S. must be given a prompt notice in writing within 10 days of the discovery of defect.

2. The engines and components must have been installed, preserved, maintained and operated in accordance with the manufacturer's manuals, directives and instructions. The engines and components must not have been altered or repaired outside G.T.S. facilities and the engines and components must have been operated whiten the limitations and guidelines as outlined by the original equipment manufacturers manual, or technical data and must not have been subjected to misuse, neglect, accident or damage whether from the elements or otherwise.

3. The engines or accessories parts must be returned, at customers expense to G.T.S. facilities after notice of failure had been given and must be afforded the opportunity to perform corrective work at the facility of its choice, one an R.M.A. has been issued.

4. Notwithstanding anything in this limited warranty to the contrary, G.T.S. shall in no event be responsible for any warranty claim of any nature whatsoever, if the customer provides to G.T.S. more than ten (10%) percent in dollar value of all of the parts repairs as reflected on the original repair cost estimate prepared by G.T.S. and provided to the customer.

   Except as otherwise set forth herein, it is expressly agreed and understood that there are no other warranties of merchantability or fitness, nor are there any affirmations of fact, guarantees, representations, commitments, promises by G.T.S. with reference to the workmanship performed and material provided by G.T.S.

Jack Tannir
President/ Accountable Manager
jtannir@gtsaviation.com
Direct Line: +1(786) 391-4459
www.gtsaviation.com

"ISO 9001:2015- CERTIFIED QUALITY MANAGEMENT SYSTEM "