

TMC
ENGINE CENTER, INC.
WWW.TMC.AERO

ENGINE MINIPACK



CFM56-3C1 - ESN 857701 - 2,762 CR
CONDITION: SERVICEABLE - CONTINUED TIME
RECORDS: FULL BTB TRACE & NIS
INCLUDES: STAND & QEC
LOCATION: MIAMI
PRICE: UPON REQUEST
AVAILABLE: NOW - READY TO SHIP
TESTED: 26 ° EGT AT 20.0K THRUST (CAT A)


TMC Engine Center, Inc
8545 NW 79th Avenue
Medley, FL 33166 USA

Phone: +1-786-337-6650
Fax: +1-786-337-6610

FAA Part-145 Repair Station Number: Z5LR447Y
EASA Part-145 Approval Number: 145.5678

sales@tmcenginecenter.com
www.TMC.aero

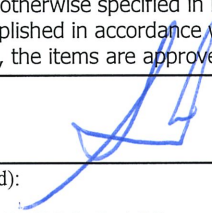
1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 1219CFM1040-41832
---	--	---

4. Organization Name and Address:  TMC Engine Center, Inc. 8545 NW 79th AVE MAMI, FL 33166 FAA REPAIR STATION No. Z5LR447Y	5. Work Order/Contract/Invoice Number: CFM1040
--	---

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	ENGINE	CFM56-3C1	1	857701	REPAIRED

12. Remarks: REPAIRED IAW FAA APPROVED DATA: CFM56-3 ESM CFM-TP.SM. , REV. 77, DTD. 12/15/2019
 THE ENGINE WAS DISASSEMBLED TO THE EXTENT NECESSARY TO ACCOMPLISH THE REQUIRED REPAIRS, CLEANED, INSPECTED, REPAIRED AS REQUIRED BY THE CUSTOMER WORKSCOPE, ASSEMBLED, TESTED, AND ACCEPTED IAW CFM56-3 ESM CFMI-TPSM REV 77, DTD. 12/15/2019. ENGINE WAS PRESERVED POST TEST TO 365 DAYS. THE FOLLOWING AD NOTES WERE COMPLIED WITH THIS VISIT: 2002-13-03, 2013-26-01 & 2017-14-08. SEE AD NOTE LISTING, FORM TMC-ENG-07CFM56. ALL WORK PERFORMED IS RECORDED AT THIS FACILITY UNDER TMC WORK ORDER NUMBER: CFM1040. DETAILED INFORMATION OF THE WORK ACCOMPLISHED IS RECORDED IN FAA FORM 337 AND IS IN COMPLIANCE WITH FAR 43.9. THE WORK SPECIFIED IN BLOCK 11 AND 12 WAS CARRIED OUT I/A/W FAR 145. SEE TMC ENGINE CARRY OVER WORK SHEET PRIOR TO RELEASING ENGINE BACK TO SERVICE.

TRACED TO: ESN - 857701 - CFM56-3C1 TSN: 41,811.00 CSN: 22,238

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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.	
13b. Authorized Signature:	13c. Approval Authorization No.:	14b. Authorized Signature: 	14c. Approval/Certificate No.: Z5LR447Y
13d. Name (Type or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): JULIO LAU	14e. Date (dd/mmm/yyyy): 20 / DEC / 2019

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.



U.S. Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, 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.
<input type="checkbox"/>	<input type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	POWERPLANT	CFM INTERNATIONAL	CFM56-3C1	857701
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name TMC Engine Center, Inc		U.S. Certificated Mechanic	
Address 8545 NW 79th Avenue		Foreign Certificated Mechanic	
City Medley State Florida		<input checked="" type="checkbox"/> Certified Repair Station	
Zip 33166 Country USA			
		C. Certificate No.	
		Z5LR447Y	

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	<input type="checkbox"/>	Signature/Date of Authorized Individual
		JULIO E. LAU December 20th, 2019

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	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. Z5LR447Y	Signature/Date of Authorized Individual
	JULIO E. LAU December 20th, 2019

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft records. 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

Work Order: **CFM1040** , Model: **CFM56-3C1**
Engine Serial Number: **857701**
Engine Total Time: **41,811**; Engine Total Cycles: **22,238**

CUSTOMER: **SKY TECHNICS**

1. CFM International CFM56-3C1 engine was disassembled and repaired to replace LLP & perform Main Line Bearing Inspection.
2. Performed incoming inspection and inventory.

THE FOLLOWING WAS ACCOMPLISHED:

3. **FAN & BOOSTER MODULE** (ATA 72-21):

- A. It was cleaned & visually inspected.
- B. Performed Fan blade, disk, and hardware re-lubrication prior to installation per SUBTASK 72-00-21-420-058.
- C. Reassembled and balanced the Fan & Booster prior to installation.

4. **NO. 1 & NO. 2 BEARING SUPPORT MODULE** (ATA 72-22):

- A. Performed a Full Workscope and routed the No. 1 and No. 2 Bearings for Cleaning and Inspection. Installed the No. 1 and No. 2 Bearings in Serviceable condition.
- B. Compliance with AD 2002-13-03 on the Fan Shaft.

5. **INLET GEARBOX** (ATA 72-61):

- A. Performed a Full Workscope and installed the No. 3 Bearing in Serviceable condition.

6. **FAN FRAME** (ATA 72-23):

- A. Disassembled as required, cleaned, inspected, repaired & re-assembled.
- B. Replaced 11ea. Skin fillets with NEW units.

7. **HPC ROTOR SECTION** (ATA 72-31, -32, -33):

- A. Visually inspected as an assembly (accessible areas) in-situ.
- B. Complied with AD 2017-08-14(VSV Pull Check).

8. **COMBUSTION CASE ASSY & COMBUSTION CHAMBER** (ATA 72-41, -42):

- A. Disassembled as required, cleaned, inspected, repaired & re-assembled.
- B. Replaced the Combustion Chamber Module with a Serviceable condition assembly.
- C. Installed 20 ea. Bench Checked Fuel Nozzles.

9. **HPT NOZZLE** (ATA 72-51):

- A. Disassembled as required, cleaned, inspected, repaired & re-assembled.
- B. Replaced 8ea. HPT NGV's with Serviceable condition units.

Work Order: **CFM1040** , Model: **CFM56-3C1**
Engine Serial Number: **857701**

10. **HPT ROTOR** (ATA 72-52):

- A. Disassembled as required, cleaned, inspected, repaired, re-assembled & balanced.
- B. Replaced the HPT Rear Shaft with a Serviceable LLP.
- C. Replaced 2 ea. HPT Blades with Serviceable condition units.
- D. Match Grind of the Blade tips performed.

11. **MOD 12 / LPT STG. 1 NOZZLES** (ATA 72-53):

- A. Disassembled as required, cleaned, inspected, repaired & re-assembled.
- B. Replaced 46 ea. HPT Shrouds with Overhauled condition units and installed a set of Continued Time Serviceable LPT Stage 1 Vanes.
- B. Performed match grind to the HPT shroud for optimal J05 clearance.

12. **LPT MAJOR MODULE** (ATA 72-54, 72-55, 72-56):

- A. Disassembled as required, cleaned, inspected, repaired, re-assembled & balanced.
- B. Installed the No. 4, & No. 5 bearings in Serviceable condition.

13. **AGB MODULE** (ATA 72-62):

- A. Removed, cleaned, inspected & re-installed the Hand Cranking Pad Cover to comply with AD 2013-26-01.

14. THE FOLLOWING AIRWORTHINESS / SERVICE BULLETINS WERE ACCOMPLISHED AT THIS SHOP VISIT:

- A. Complied with Airworthiness Directives: **2002-13-03, 2013-26-01 and 2017-14-08.**

15. Performed "ON WING" Test 10 IAW latest Revision of the B737 AMM for acceptance.

16. Accomplished 365 Day Preservation.

The subject engine was disassembled to the extent necessary to accomplish the repair, cleaned, inspected, repaired as required by the Customer Workscope, re-assembled, tested and found airworthy in accordance with the CFM International CFM56-3 ESM CFMI-TPSM5 REV 77, DTD. 12/15/2019. Pertinent details of the above are on file at this Repair Station under W.O. No. **CFM1040**.

----- END -----

FAA Form 337 (10-06)

Paperwork Reduction Act Statement: The reason for collecting this information is to track major maintenance performed on aircraft. The collected information is used as part of the aircraft's historical file. The public reporting burden for this collection of information is estimated to average 30 minutes per response. Responses are mandated by 14 CFR Part 43. Collected information becomes part of the public record and no confidentiality is required. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. The OMB control number associated with this collection is 2120-0020. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW Washington, DC 20591, Attn: Information Collection Clearance Officer, AES-200.



TMC Engine Center, Inc.
 FAA CRS Z5LR447Y
 8545 NW 79th Avenue
 Medley, Florida 33166

LIFE LIMITED PARTS STATUS

ENGINE MODEL: CFM56-3C1

ENGINE SERIAL NUMBER: 857701

CUSTOMER: SKY TECHNICS

ENGINE TOTAL TIME: 41,811

ENGINE TOTAL CYCLES: 22,238

WORK ORDER: CFM1040

DESCRIPTION	PART NUMBER	SERIAL NUMBER	A CYCLE LIMIT	B CYCLE LIMIT	C CYCLE LIMIT	A CYCLE TOTALS	B CYCLE TOTALS	C CYCLE TOTALS	A CYCLE REMNG	B CYCLE REMNG	C CYCLE REMNG	REPLACED	REMOVED FROM ESN / WO
FAN ROTOR													
FAN DISK	335-014-511-0	J191010	30,000	24,900	20,100		22,238		3,207	2,662	2,149		
BOOSTER SPOOL	335-009-306-0	J196624	30,000	30,000	30,000		22,238		7,762	7,762	7,762		
FAN SHAFT	335-006-414-0	J191206	30,000	30,000	30,000		22,238		7,762	7,762	7,762		
FAN ROTOR													
FRONT SHAFT	1275M37P02	GWN08G2P	20,000	20,000	20,000		7,276		12,724	12,724	12,724		
STG. 1-2 SPOOL	1589M66G02	GWN08JGK	20,000	20,000	20,000		7,276		12,724	12,724	12,724		
STG. 3 DISK	1590M59P01	XAEF2359	20,000	20,000	20,000		7,276		12,724	12,724	12,724		
STG. 4-9 SPOOL	1588M89G03	GWN08GDT	20,000	20,000	15,800		7,276		12,724	12,724	10,052		
CDP REAR SEAL	1319M25P02	GGF5C5KN	20,000	18,000	15,000		7,276		11,916	10,724	8,937		
HIGH PRESS. TURBINE													
FRONT SHAFT	1385M90P04	XAE78007	20,000	17,300	17,000		7,276		11,588	10,024	9,850		
FRONT AIRSEAL	1282M72P05	GWN08E27	20,000	15,800	15,100		7,276		10,790	8,524	8,146		
DISK	1475M29P02	GWN08FM5	20,000	18,500	16,600		7,276		12,134	11,224	10,071		
REAR SHAFT	9514M71P07	TMTKA901	25,000	20,000	15,800	12620	2119		9,731	7,785	6,150	YES	ESN 721940-3B2
LOW PRESS. TURBINE													
STG. 1 DISK	301-331-125-0	J205188	25,000	25,000	18,800		22,238		2,762	2,762	2,077		
STG. 2 DISK	301-331-225-0	J183810	25,000	25,000	25,000		22,238		2,762	2,762	2,762		
STG. 3 DISK	301-331-322-0	J192238	25,000	25,000	25,000		22,238		2,762	2,762	2,762		
STG. 4 DISK	301-331-427-0	J205652	25,000	25,000	25,000		22,238		2,762	2,762	2,762		
LPT SHAFT	301-330-067-0	F017652	30,000	30,000	30,000		22,238		7,762	7,762	7,762		
LPT STUB SHAFT	301-330-624-0	J190121	25,000	25,000	20,000		22,238		2,762	2,762	2,210		
CONICAL SUPPORT	305-056-116-0	J198090	25,000	25,000	25,000		22,238		2,762	2,762	2,762		

Information for all disks not replaced supplied by customer. Documentation and/or trace for disks replaced is on file at TMC Engine Center, Inc. under the referenced Work Order Number.

Remarks:

12/13/2019

ENGINEERING

DATE



CFM56 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

WORK ORDER: CFM1040 CUSTOMER: SKY TECHNICS DATE: 20/DEC/2019
 ENGINE MODEL: CFM56-3C1 ENGINE S/N: 857701 TT: 41,811 TC: 22,238

Note: With regards to this document, the following definitions apply:

- | | |
|---|---|
| <p> 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 </p> | <p> NA2 = Not Applicable Due to Engine Serial Number
 NA3 = Not Applicable Due to Part Numbers
 NA4 = Not Applicable Due to Part Serial Numbers </p> |
|---|---|

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
86-08-05R1 39-5339 F1986-066R1	72-205 R3	To prevent engine shutdown from radial drive shaft disengagement. Applies to engine models: 3, and 3B.		X	NA1
89-13-51		Superseded by AD 96-25-11.			Superseded
89-23-06 R1 39-6370 F1989-181R3	72-530	Inspect the forward sump magnetic chip detector. Removal of certain No.3 bearings from service. Applies to engine models: 2, 3, 3B, 3C, 5.		X	NA3 to PN 1461M14P04 S/N MDALG871 installed.
90-20-13 39-6679 F1990-031R2	72-494	Modify the Fan Module Assembly by installing Fan blade dampers P/N 335-105-305-0, axial stops P/N 335-105- 201-0 and bolts P/N J815P056A. Applies to engine models: 3B2, 3C1		X	PCW and verified TSV.
91-02-10 39-6839 F1991-030	72-450 72-162	Install fan splitter fairing, fan stage 1 vane assy and new centering shroud. Applies to engine models: 3, 3B, 3C.		X	PCW and verified TSV.
96-18-16 39-9742 F1997-010R1	72-728 72-338 72-476 72-695	To prevent low cycle fatigue of the LPTR stub shaft and conical support. Applies to engine models: 2, 2A, 2B, 3, 3B, 3C, 5.	X		NA3 per Ukraine International Airlines AD Status dated April 20 th , 2011. ND TSV. Inspect at next piece-part exposure.

W/O CFM1040 - ESN 857701

REVIEWED BY: DATE: December 20th, 2019



CFM56 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION, PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
96-25-11 39-9854 F1989-181R3 01/29/97	72-543 R4 72-737 72-71 72-1203 R10	To prevent fan blade failure that may result in complete loss of power. Applies to engine models: 3B2, 3C1.		X	NA3. TERMINATED to blade P/N's installed as per Ukraine International Airlines LLP Status dated April 20 th , 2011.
97-08-01 39-9989 F1994-195		To prevent a low cycle fatigue failure of the fan disk, which could result in an engine failure. Applies to engine models: 3, 3B, 3C		X	PCW as per Ukraine International Airlines LLP Status dated April 20 th , 2011.
T97-25-51 12/4/97		Superseded by AD 98-10-11.			Superseded
98-07-02 39-10402 F1998-080R1	72-823 72-825 72-1355R1 72-856	To prevent rubs between the outer cone of the #3 bearing rear stationary air/oil seal and the HPCR Stg 1-2 Spool. Applies to engine models: 2, 3, 3B, 3C.		X	NA3 per Ukraine International Airlines AD Status dated April 20 th , 2011. ND TSV.
98-10-11 39-10585 F1997-327	72-863R1 72-865 72-867 72-873R1 72-523R1 72-211R1 72-350R1	To prevent inflight engine shutdowns due to an AGB starter gear shaft, TGB input bevel gear, TGB output bevel gear, AGB gear shaft duster spur assy or AGB intermediate gear assy failure. Applies to engine models: 3, 3B, 3C, 5, 5B, 5C.		X	NA2 to ESN 857701.
98-12-32 39-10523 F1998-096	72-817R1 72-419R2 72-561R1 72-843R1	To prevent the potential for an uncontained failure of the HPTR disk. Applies to engine models: 2, 2A, 2B, 3, 3B, 3C.		X	NA4 to HPT Disk P/N 1475M29P02 S/N GWN08FM5 installed.
T98-18-51 08/28/98		Superseded by AD 98-21-23.			Superseded
98-19-10 39-10752 F1998-198R1	72-877R1	To prevent an AGB starter gear shaft failure, which can result in an inflight Eng shutdown, and on a/c with two affected Eng installed, possible dual inflt shutdown. Applies to engine models: 3, 3B, 3C.		X	NA2 to ESN 857701
99-08-16		Superseded by AD 2000-12-01.			Superseded

W/O CFM1040 - ESN 857701

REVIEWED BY:  DATE: December 20th, 2019

Form: TMC-ENG-07CFM56 R0 07/28/2011



CFM56 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	PWA SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
2000-05-22 39-11632 F2000-018	72-922	Perform an ECI for cracks in the bolt holes of the HPTR front rotating air seals, P/N 1282M72P03, and replace, if necessary, with serviceable parts. Applies to engine models: 2, 2A, 2B, 3, 3B, 3C, 5, 5A, 5B, 5C		X	NA3 to P/N 1282M72P05 S/N GWN08E27 installed.
2000-12-01		Superseded by AD 2002-13-03.			Superseded
2000-15-01 39-11830 F1999-245R1	73-110R2 73-J055R1 73-076R1 73-1126R1 73-136R2 73-056R2 73-073R2	To prevent fuel leakage from between the fuel pump filter and gear housing perform visual inspections of the fuel pump filter cover helicoil inserts & bolts for damage. Applies to engine models: 2, 2A, 2B, 3, 3B, 3C, 5, 5A, 5B, 5C		X	NA3 to Fuel Pump P/N 708600-7 S/N 13512 installed.
2001-04-06 39-12124 F1997-298R4	72-854R1 or 72-854R2	To prevent fan disk failure, perform a local ultrasonic inspection for cracks in the disk. Applies to engine models: 3, 3B, 3C.		X	NA3. Fan blades with 37 deg. and dampers installed per Ukraine International Airlines AD Status dated April 20 th , 2011.
2001-08-51		Superseded by AD 2001-09-17.			Superseded
2001-11-05 39-12246 F2001-240		To prevent bearing failure, replace #4 bearing that has a S/N listed in table 1 of AD and replace with a bearing S/N not on list, within 2000 hours TIS after effective date of AD. Applies to engine models: 2, 25, 3, 3B, 5B, 5C, 7B.		X	NA4 to Bearing P/N 305-355-117-0 S/N RR17345 installed.
2002-13-03 39-12790 F2002-390		To prevent critical life limited rotating engine part failure, within the next 30 days after effective date of AD, revise Airworthiness Limitations Section of Engine Shop Manual. Applies to engine models: 2, 2A, 2B, 3, 3B, 3C, 5, 5B, 5C, 7B.	X		CW TSV on Fan Shaft P/N 335-006-414-0 S/N J191206.
2003-02-04		Superseded by AD 2007-03-15.			Superseded
2004-10-13 39-13643 F2004-095	73-0104R3 73-0120R5 73-0126R4	To prevent main fuel pump bearing failure resulting in fuel nozzle clogging and LPT case burn through, remove from service main fuel pumps by P/N installed. Next S/V or pump replacement, but no later than Jan 1, 2007. Applies to engine models: 2C, 3, 5		X	NA3 to Post SB 73-0144 Fuel Pump P/N 708600-7 S/N 13512 installed.
2006-26-01 39-14859 01/03/2007		There have been 12 reports of failed fuel filters. Therefore, replace fuel filter. See AD for engine Model replacement schedule. Applies to engine models: 2, 3, 5, 7B.		X	NA3 per Filter P/N installed.

W/O CFM1040 - ESN 857701

REVIEWED BY:  DATE: December 20th, 2019

Form: TMC-ENG-07CFM56 R0 07/28/2011



CFM56 AIRWORTHINESS DIRECTIVE COMPLIANCE STATUS

A.D. NUMBER EFF. DATE	REF. SERVICE BULLETIN	DESCRIPTION	REPETITIVE INSPECTION		COMPLIANCE, STATUS, NEXT INSPECTION PART NUMBERS / SERIAL NUMBERS INST.
			YES	NO	
2009-01-01		Superseded by AD 2010-09-14.			Superseded
2009-11-02 39-15912 06/23/2009 2010-12-03 39-13624	72-1067	AD issued to remove from service HPC 4-9 spools by P/N and S/N listed in table 1 of AD before accumulating 8,900 CSN. Applies to engine models: 2, 3, 5A, 5B, 5C, 7B. Perform an on-wing or in shop inspection of the fan blade and damper for wear every 3,000 CSLI. Applies to engine models: 3 & 3B.		X	NA4 to P/N 1588M89G03 S/N GWN08GDT installed.
2013-02-02		Superseded by AD 2016-14-10.			Superseded
2013-26-01 39-17710 02/03/2014		Perform inspection to verify re-installation of the hand cranking pad cover to prevent loss of engine oil while in flight.	X		<u>CW</u> TSV on AGB P/N 335-300-109
2015-18-04 39-18262	72-0964 R1	Report of an un-commanded in-flight shutdown on a CFM56-7B engine following rupture of the 73-tooth gearshaft located in the engine AGB.		X	NA1
2016-14-10 39-18591 11/21/2005		Removed HPT disk P/N 880026 with S/N's GLKBAA9307, GLKBAA9335, GLKBAA9404, GLKBAA9407 and GLKBAA9409 from service before the cycles reflecting on AD 2013-02-02 Applies to engine models: 3, 3B and 3C Series		X	NA3 to installed HPT Disk P/N 1475M29P02 S/N GWN08FM5
2017-14-08 R1 39-14791 11/2/2006	72-1169 R1	Turbofan engines with steel high-pressure compressor (HPC) stator case, P/Ns: 1499M30G01, 1499M30G02, 1499M30G03 or 1676M88G01, installed. Applies to engine models: 3, 3B, and 3C	X		<u>CW</u> TSV on Case P/N 1499M30G03 S/N GWNMK392. Next inspection due June 27, 2020.

W/O CFM1040 - ESN 857701

REVIEWED BY: _____


DATE: December 20th, 2019

Form: TMC-ENG-07CFM56 R0 07/28/2011



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

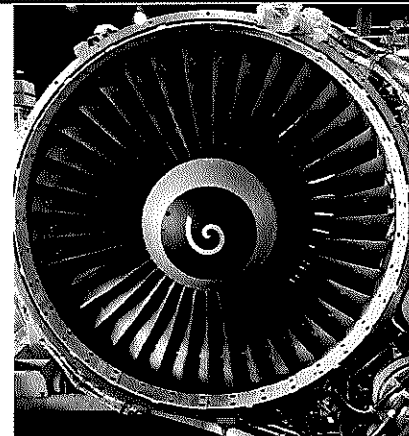
Page 1 of 13

FAN BLADES (QTY 38)

BLADE CONDITION:

NO VISUAL DAMAGE

DISPOSITION:

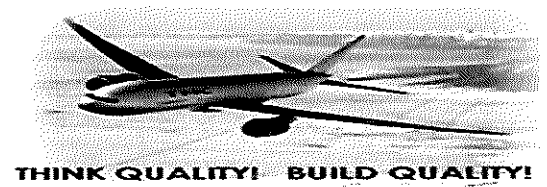


LOW PRESSURE COMPRESSOR STAGE 2 BLADES (QTY 68)

BLADE CONDITION:

NO VISUAL DAMAGE

DISPOSITION:



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

Page 2 of 13

LOW PRESSURE COMPRESSOR STAGE 3 BLADES (QTY 68) PORT S0

BLADE CONDITION:

NO VISUAL DAMAGE

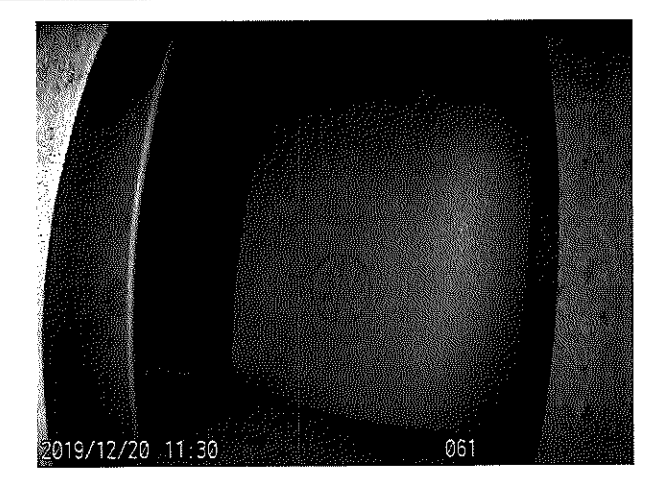


DISPOSITION:

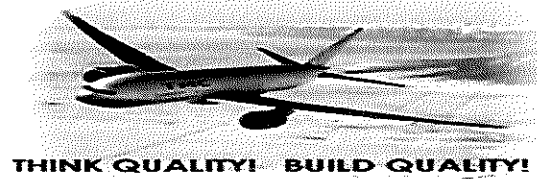
LOW PRESSURE COMPRESSOR STAGE 4 BLADES (QTY 68) PORT S0

BLADE CONDITION:

NO VISUAL DAMAGE



DISPOSITION:



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES			W/O:	CFM1040
ENGINE S/N:	857701	A/C TYPE:		LOCATION:	TMC ENGINE CENTER
MODEL #:	CFM56-3C1	ENG. TT:	41,811	DATE:	December 20, 2019
POSITION:	-	ENG. TC:	22,238	INSPECTOR:	
REASON:	Outgoing inspection				

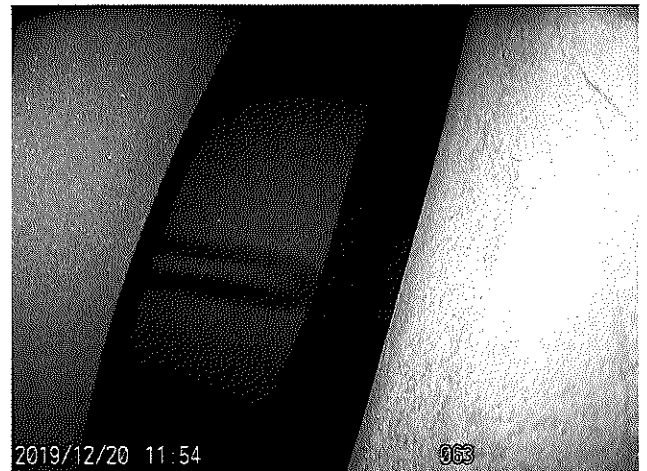
Page 3 of 13

1ST STAGE HPC BLADES (QTY 38) PORTS S1/S2

BLADE CONDITION:

NO VISUAL DAMAGE.
 ENVIROMENTAL BUILD UP THROUGH OUT STAGE

DISPOSITION:



2ND STAGE HPC BLADES (QTY 53) PORTS S2/S3

BLADE CONDITION:

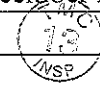
L/E EROSION, NO VISUAL DAMAGE
 ENVIROMENTAL BUILD UP THROUGH OUT STAGE

DISPOSITION:



EASA # 145.5978
8545 NW 79th Ave. MEDLEY, FL 33166
PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

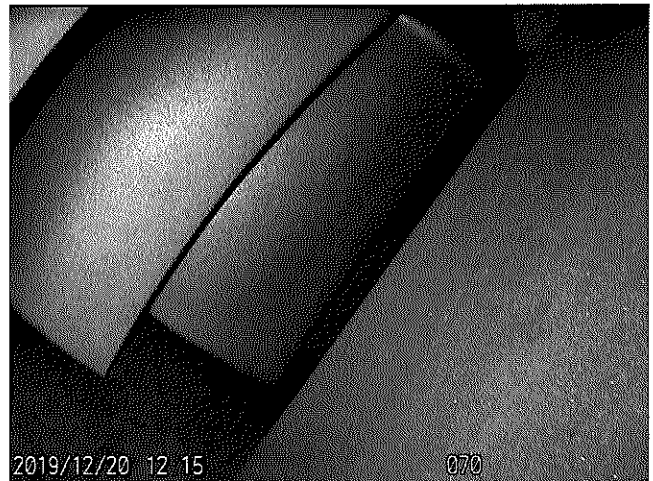
Page 4 of 13

3RD STAGE HPC BLADES (QTY 60) PORTS S3/S4

BLADE CONDITION:

NO VISUAL DAMAGE
ENVIROMENTAL BUILD UP THROUGH OUT STAGE

DISPOSITION:

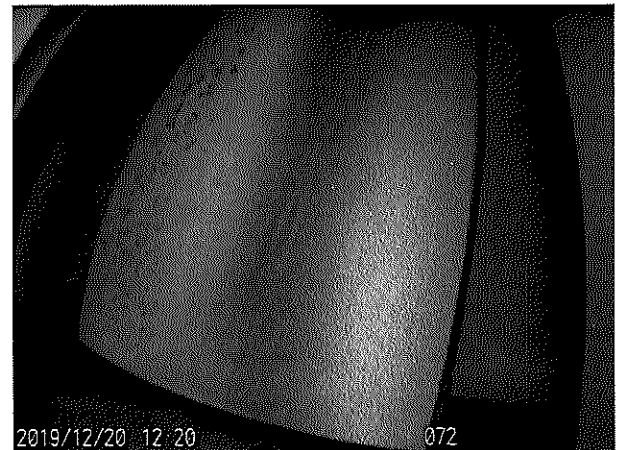


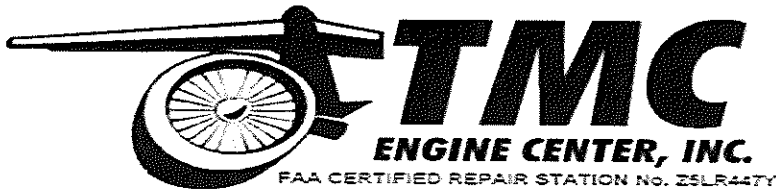
4TH STAGE HPC BLADES (QTY 68) PORTS S4/S5

BLADE CONDITION:

NO VISUAL DAMAGE
ENVIROMENTAL BUILD UP THROUGH OUT STAGE

DISPOSITION:





EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

Page 5 of 13

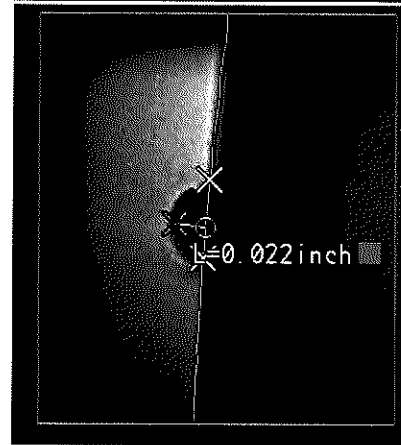
5TH STAGE HPC BLADES (QTY 75) PORTS S5/S6

BLADE CONDITION:

L/E EROSION, PREVIOUS BLEND MEAS. 0.022 INCH DEPTH

DISPOSITION:

IN LIMITS IAW AMM 737 72-00-00

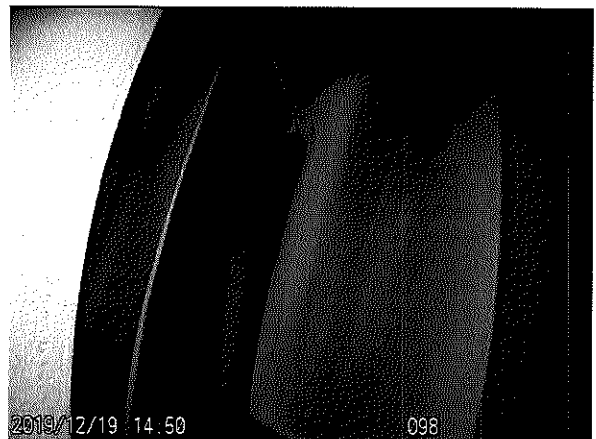


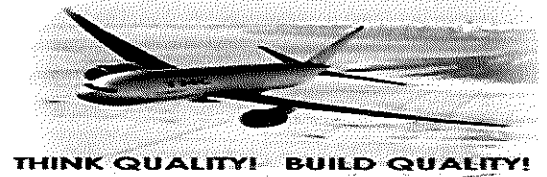
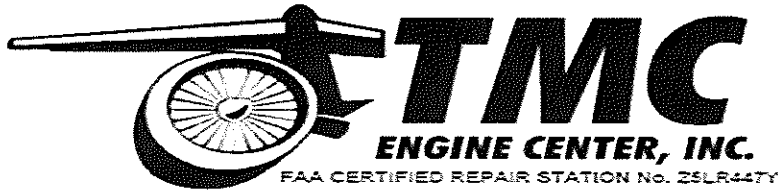
6TH STAGE HPC BLADES (QTY 82) PORTS S6/S7

BLADE CONDITION:

NO VISUAL DAMAGE
 ENVIROMENTAL BUILD UP THROUGH OUT STAGE


DISPOSITION:





EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

Page 6 of 13

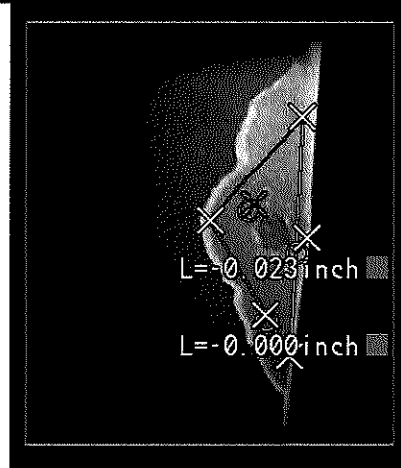
7TH STAGE HPC BLADES (QTY 82) PORTS S7/S8

BLADE CONDITION:

L/E EROSION, 1 E/A BLADE T/E WITH DENT MEAS
 0.023 INCH DEPTH

DISPOSITION:

IN LIMITS IAW AMM 737 72-00-00

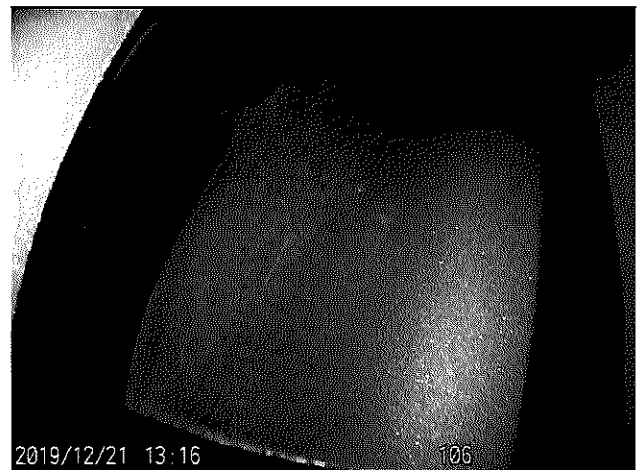


8TH STAGE HPC BLADES (QTY 80) PORTS S8/S9

BLADE CONDITION:

NO VISUAL DAMAGE
 ENVIROMENTAL BUILD UP THROUGH OUT STAGE

DISPOSITION:




2019/12/21 13:16

106



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

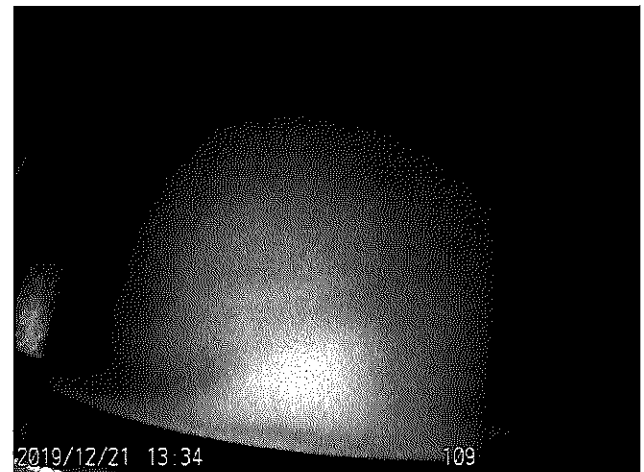
CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

9TH STAGE HPC BLADES (QTY 76) PORT S9

BLADE CONDITION:

NO VISUAL DAMAGE
 ENVIROMENTAL BUILD UP THROUGH OUT STAGE



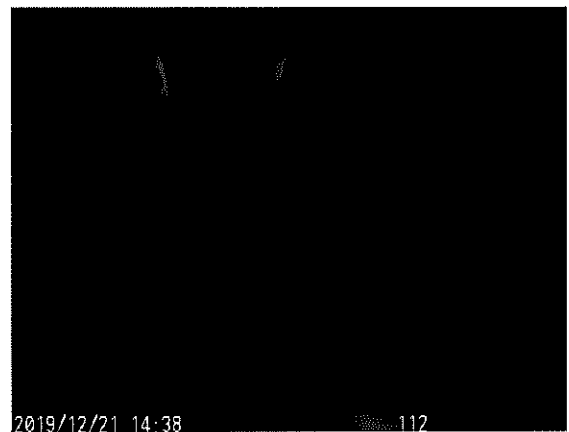
DISPOSITION:

COMBUSTION CHAMBER PORTS S10-S15

CHAMBER CONDITION:

NO VISUAL DAMAGE

DISPOSITION:





EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	



Page 8 of 13

DISCOURAGER SEALS PORTS S10 – S15

SEALCONDITION:

NO VISUAL DAMAGE

DISPOSITION:

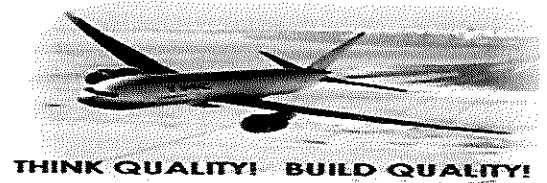
HPT STAGE 1 NOZZLE GUIDE VANES PORTS S10-S15

NGV CONDITION:

NORMAL WEAR


360 DEGREE INSPECTION NOT REQUIRED PER CUSTOMER

DISPOSITION:



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

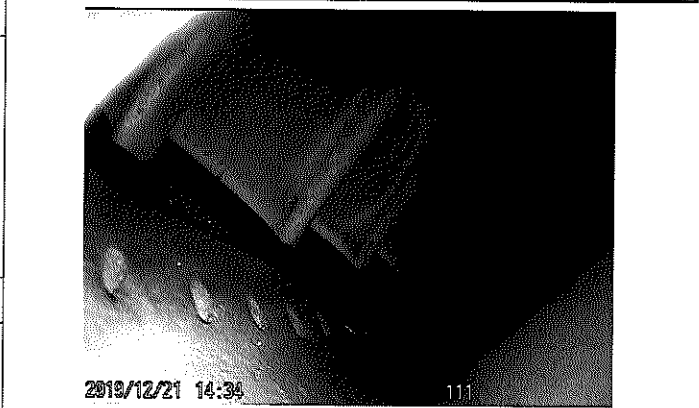
CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	

Page 9 of 13

1ST STAGE HPT TURBINE BLADES (QTY 72) PORTS S10-S11/S17

BLADE CONDITION:
 NO VISUAL DAMAGE

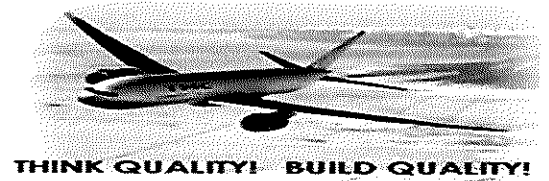


DISPOSITION:

LPT STAGE 1 NOZZLE ASSEMBLY PORTS S10-S11/S7

NOZZLE CONDITION:
 NO VISUAL DAMAGE
360 DEGREE INSPECTION NOT REQUIRED PER CUSTOMER

DISPOSITION:



EASA # 145.5978
 8545 NW 79th Ave, MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	



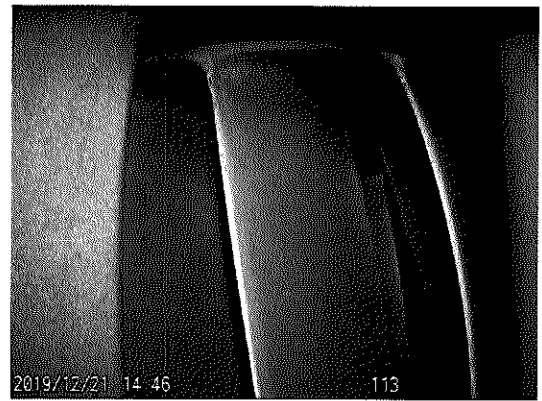
Page 10 of 13

1ST STAGE LPT TURBINE BLADES (QTY 174) PORTS S17-S18/S20

CONDITION:

NO VISUAL DAMAGE

DISPOSITION:

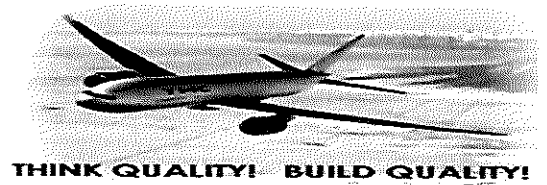


2ND STAGE LPT TURBINE BLADES (QTY 162) PORTS S20/S21

BLADE CONDITION:


MIN. L/E EROSION, ENVIROMENTAL BUILD UP

DISPOSITION:



EASA # 145.5978
 8545 NW 79th Ave. MEDLEY, FL 33166
 PH: 786-337-6650 FAX: 786-337-6610

CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES		
ENGINE S/N:	857701	A/C TYPE:	W/O: CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811
POSITION:	-	ENG. TC:	22,238
REASON:	Outgoing inspection		DATE: December 20, 2019
		INSPECTOR:	

Page 11 of 13

3RD STAGE LPT TURBINE BLADES (QTY 157) PORTS S21/S22

CONDITION:

NO VISUAL DAMAGE, ENVIROMENTAL BUILD UP

DISPOSITION:

4TH STAGE LPT TURBINE BLADES (QTY 160) PORT S22

BLADE CONDITION:

NO VISUAL DAMAGE

DISPOSITION:



EASA # 145.5978
8545 NW 79th Ave. MEDLEY, FL 33166
PH: 786-337-6650 FAX: 786-337-6610

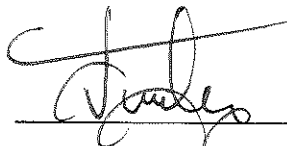
CFM56-3 BORESCOPE REPORT

CUSTOMER:	SKY TECHNIQUES				
ENGINE S/N:	857701	A/C TYPE:		W/O:	CFM1040
MODEL #:	CFM56-3C1	ENG. TT:	41,811	LOCATION:	TMC ENGINE CENTER
POSITION:	-	ENG. TC:	22,238	DATE:	December 20, 2019
REASON:	Outgoing inspection			INSPECTOR:	



Page 12 of 13

ADDITIONAL COMMENTS:

Inspector: 

Date: 12/20/19

XTREME AVIATION LLC.

FAA Repair Station 4XAR847C

MPA RUN DATA (CFM 56) B737 TEST NO. 10

CUSTOMER:	MIAMI NDT	ACFT REG. NO.:	N359SW
ENGINE MODEL:	CFM56-3C1	WORK ORDER:	006511
ENGINE #1 SERIAL NO.:		WORK ORDER:	
ENGINE #2 SERIAL NO.:	857701	REASON:	CUSTOMER REQUEST
DATE:	12/16/19		
POWER SETTING:	20K		
THRUST RATING:	20K		

COMMENTS:

N/A

Engine Pos.	Engine Model	Engine S/N	MEC P/N	PMC P/N	Tank	Fuel Quantity (lbs)
1					No. 1	
2	CFM56-3C1	857701	8063-215	7157m68p03	No. 2	
FUEL TYPE - JET A					CTR	
Total						

Engine Start Data (EGT not to exceed 725 degrees)

ENGINE POSITION	Start Lever Adv.		INITIAL FUEL FLOW	LIGHT-UP TIME SEC.	STARTER CUTOUT N2%	MAX EGT °C	MAX FUEL FLOW	TIME TO IDLE SEC	ENGINE OIL			AVM UNITS
	N2%	Motoring Time Sec.							QTY	TEMP	PRESSURE	
1												
2	25.0%	30	0.1	1	46.5%	547	1.19	60	4	30	32	0.1

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 %)			High Idle (N2 %)		
			Target	Recorded		Target	Recorded	
1								
2	29	30.00		62.1		64		72.7

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	81.8%	81.8	93.4	772	5.78	100	47	1

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	86.9%	86.9	95.45	772	6.90	100	50	1.0

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	92.0%	92	97.3	872	8.2	110	50	1.1

Test No. 5 Takeoff Power Check

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values							INSP
			N1%	N2%	EGT	FUEL FLOW	RED LINE	MARGIN		
1										
2	29	93.40	93.4	97.9	884	8.58	930	46		<i>3356502</i>

Test #5 Power Assurance Check (80% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
			N1%	N2%	EGT										
1															
2	29	81.8%	81.8	93.4	772	787	15		N	20K	93.4		95.30	1.90	

Test #5 Power Assurance Check (85% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
			N1%	N2%	EGT										
1															
2	29	86.9%	86.9	95.4	812	838	26		N	20K	95.4		97.20	1.80	

Test #5 Power Assurance Check (90% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING	N2 adj for	adjusted N2	MAX N2	%N2 Margin
			N1%	N2%	EGT										
1															
2	29	92.0%	92	97.3	872	898	26		N	20K	97.3		99.40	2.10	

** 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.

INSP.

JANM 3356502

XTREME AVIATION LLC.

FAA Repair Station 4XAR847C

TEST NO. 6 - MEC TRIM

ENG POS	OAT	BARO	WIND		PMC OFF (%N2)		PMC ON (%N1)	
			VELOCITY (KNOTS)	DIRECTION (DEGREES)	TARGET	RECORDED	TARGET	RECORDED
1								
2	29	30			93.5	93.2	75.1	76.6

TEST NO. 7 - VIBRATION SURVEY

ENG POS	OAT	BARO	STATIC T.O. TARGET (%N1)	SELECTOR SWITCH POSITION
2	29	30	93.4	ON

ACCEL			DECEL		
%N1	%N2	VIBRATION READING (UNITS)	%N1	%N2	VIBRATION READING (UNITS)
54.5	81	0.4	92.6	97.6	1
64.6	88.2	0.8	85.8	95.2	1.2
74.3	91	0.9	81.4	93.7	1
81.5	93.4	1.2	74.2	91.4	1
84.5	94.4	1	64.9	88.9	0.8
91.5	97.4	1.1	54.5	86	0.9

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

TEST NO. 8 - ACCEL/DECEL CHECK

ENG POS	OAT	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 IDLE TO ACCEL CHECK TARGET (7.4 Sec. Max)
1							
2	29	30	93.4	91.6			7.4

REMARKS, DISCREPANCIES:

N/A

INSP. 3358502

PRESERVATION TAG



1. WORK ORDER #: 006511

2. CUSTOMER: MIAMI NDT

3. ENGINE MODEL: CFM 56-3C1

4. ENGINE SERIAL NUMBER #: @577701

5. PRESERVATION DATE: 12-16-2019

6. OIL SYSTEM: BROVCO 599

7. EXPIRATION DATE: 12-16-2020

8. FUEL SYSTEM: TURBO NVCOI 360

9. TECHNICAL DATA REFERENCE USED:

10. ACCOMPLISHED BY: ALEXANDER BELIO

11. SIGNATURE: AB

12. DATE: 12-17-2019

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

XTREME AVIATION LLC. FAA Repair Station 4XAR847C

MPA RUN DATA (CFM 56) B737 TEST NO. 10

CUSTOMER:	MIAMI NDT	ACFT REG. NO.:	N359SW
ENGINE MODEL:	CFM56-3C1	WORK ORDER:	006511
ENGINE #1 SERIAL NO.:		WORK ORDER:	
ENGINE #2 SERIAL NO.:	857701	REASON:	CUSTOMER REQUEST
DATE:	12/16/19		
POWER SETTING:	20K		
THRUST RATING:	20K		

COMMENTS:

N/A

Engine Pos.	Engine Model	Engine S/N	MEC P/N	PMC P/N	Tank	Fuel Quantity (lbs)
1					No. 1	
2	CFM56-3C1	857701	8063-215	7157m68p03	No. 2	
FUEL TYPE - JET A						CTR
Total						

Engine Start Data (EGT not to exceed 725 degrees)

ENGINE POSITION	Start Lever Adv.		INITIAL FUEL FLOW	LIGHT-UP TIME SEC.	STARTER CUTOUT N2%	MAX EGT °C	MAX FUEL FLOW	TIME TO IDLE SEC	ENGINE OIL			AVM UNITS
	N2%	Motoring Time Sec.							QTY	TEMP	PRESSURE	
1												
2	25.0%	30	0.1	1	46.5%	547	1.19	60	4	30	32	0.1

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 %)			High Idle (N2 %)		
			Target	Recorded		Target	Recorded	
1								
2	29	30.00	62.1		64		72.7	73

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	81.8%	81.8	93.4	772	5.78	100	47	1

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	86.9%	86.9	95.45	772	6.90	100	50	1.0

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

ENGINE POS.	OAT (°C)	BARO	TARGET N1%	Recorded Values						
				N1%	N2%	EGT	FUEL FLOW	OT	OP	Vibe
1										
2	29	30.00	92.0%	92	97.3	872	8.2	110	50	1.1

Test No. 5 Takeoff Power Check

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values						INSP ₁
			N1%	N2%	EGT	FUEL FLOW	MARGIN		
1									
2	29	93.40	93.4	97.9	884	8.58	930	46	

Test #5 Power Assurance Check (80% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING
			N1%	N2%	EGT						
1											
2	29	81.8%	81.8	93.4	772	787	15		N	20K	

Test #5 Power Assurance Check (85% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING
			N1%	N2%	EGT						
1											
2	29	86.9%	86.9	95.4	812	838	26		N	20K	

Test #5 Power Assurance Check (90% N1)

ENGINE POS.	OAT (°C)	TARGET N1%	Recorded Values			ADJ EGT FOR N1	MAX EGT 20K	BASE EGT MARGIN	TCC TIMER MARGIN ADJ	TCC TIMER OFF OR ON Y/N	THRUST RATING
			N1%	N2%	EGT						
1											
2	29	92.0%	92	97.3	872	898	26		N	20K	

** 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.

TNSP:

JAN 20 335650L

XTREME AVIATION LLC.

FAA Repair Station 4XAR847C

TEST NO. 6 - MEC TRIM

ENG POS	OAT	BARO	WIND		PMC OFF (%N2)		PMC ON (%N1)	
			VELOCITY (KNOTS)	DIRECTION (DEGREES)	TARGET	RECORDED	TARGET	RECORDED
1								
2	29	30			93.5	93.2	75.1	76.6

TEST NO. 7 - VIBRATION SURVEY

ENG POS	OAT	BARO	STATIC T.O. TARGET (%N1)	SELECTOR SWITCH POSITION
2	29	30	93.4	ON

ACCEL				DECEL			
%N1	%N2	VIBRATION READING (UNITS)		%N1	%N2	VIBRATION READING (UNITS)	
54.5	81	0.4		92.6	97.6	1	
64.6	88.2	0.8		85.8	95.2	1.2	
74.3	91	0.9		81.4	93.7	1	
81.5	93.4	1.2		74.2	91.4	1	
84.5	94.4	1		64.9	88.9	0.8	
91.5	97.4	1.1		54.5	86	0.9	

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

TEST NO. 8 - ACCEL/DECEL CHECK

ENG POS	OAT	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 IDLE TO ACCEL CHECK TARGET (7.4 Sec. Max)
1							
2	29	30	93.4	91.6			7.4

REMARKS, DISCREPANCIES:

N/A

INSP. 3358502

PRESERVATION TAG



1. WORK ORDER #: 006511

2. CUSTOMER: MIAMI MDT

3. ENGINE MODEL: CFM 56-301

4. ENGINE SERIAL NUMBER #: Q577701

5. PRESERVATION DATE: 12-16-2019

6. OIL SYSTEM: BROVCO 599

7. EXPIRATION DATE: 12-16-2020

8. FUEL SYSTEM: TURBO NVCOI 360

9. TECHNICAL DATA REFERENCE USED:

10. ACCOMPLISHED BY: ALEXANDER BELIO

11. SIGNATURE: AB

12. DATE: 12-12-2019

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **1 of 14**

Instructions:

1. Record part numbers and serial numbers.
2. Stamp each item recorded in "Insp" column.
3. Each item must be completed.

Abbreviations:

- I: Installed
- NI: Not Installed

A/C Type:

B737 -300/400/500

Serialized Items

FAN MAJOR MODULE

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
1	Valve TAI Nose Cowl Assy			<input type="checkbox"/>	<input checked="" type="checkbox"/>		172625-6	585A	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2	Thermal Anti- Ice Switch	21SN41-52	R03278A	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21SN41-52	R03278A	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3	Ignition Exciter Box Upper	9238M66P07	UNNCV503	<input checked="" type="checkbox"/>	<input type="checkbox"/>		10-631045-1	UNNCV503	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4	Ignition Exciter Box Lower	9238M66P07	UNNCV517	<input checked="" type="checkbox"/>	<input type="checkbox"/>		10-631045-1	UNNCV517	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5	High Stage Regulator	107484-7	11143	<input checked="" type="checkbox"/>	<input type="checkbox"/>		59364-3171624-6	6201	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6	PMC	7157M68P03	ECDB0828	<input checked="" type="checkbox"/>	<input type="checkbox"/>		7157M68P03	ECDB0828	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7	Oil Tank Transmitter	N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20041-0000-03	3793H	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
8	Oil Tank	N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		335-261-203-0	4164	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9	N1 Speed Sensor	320-094-001-0	Not Visible	<input checked="" type="checkbox"/>	<input type="checkbox"/>		320-094-001-0	14246	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: 2 of 14

Serialized Items												
Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
10	CSD Oil Cooler			<input type="checkbox"/>	<input type="checkbox"/>		UA538551-2	WASC8047	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11	CIT Sensor	8901-274	WYG76892	<input checked="" type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Lube Unit	335-261-000-5	4521	<input checked="" type="checkbox"/>	<input type="checkbox"/>		335-261-005-05	6819	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Oil Filter Differential Switch	21SN04-226A	R01231B	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21SN04-226A	R021311	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
14	Fuel Filter Differential Pressure Switch	21SN04-209A	R02174B	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21SN04-209A	R02174B	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
15	Fire Detector Harness - Lower			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
16	MEC	8063-215	WYG65464	<input checked="" type="checkbox"/>	<input type="checkbox"/>		8063-215	WYG66002	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
17	Main Fuel Pump	708600-7	13512	<input checked="" type="checkbox"/>	<input type="checkbox"/>		301-779-007-0	V3512	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
18	Engine Throttle Fuel Control Box			<input type="checkbox"/>	<input type="checkbox"/>		N/I	N/I	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19	Transfer Gearbox			<input type="checkbox"/>	<input type="checkbox"/>		335-300-011-0	5912	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **3 of 14**

Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
20	Heat Fuel Servo	45731-1251-1	FHS11112	<input checked="" type="checkbox"/>	<input type="checkbox"/>		45731-1251-1	FHS11112	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
21	Heat Exchange Oil Fuel	69 202-300-3	13061	<input checked="" type="checkbox"/>	<input type="checkbox"/>		69202-300-3	13061	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
22	Starter	3505716-6	6351C	<input checked="" type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
23	Start Valve	324495	Not Visible	<input checked="" type="checkbox"/>	<input type="checkbox"/>		3289630-3	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
24	Fire Detector Harness – Upper			<input type="checkbox"/>	<input type="checkbox"/>		472583	1160	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
25	Control Alternator or (N2 Speed Sensor)	9974M82P03	GJAHA274	<input checked="" type="checkbox"/>	<input type="checkbox"/>		9974M82P03	GJAHD2371M	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
26	Accessory Gearbox			<input type="checkbox"/>	<input type="checkbox"/>		335-300-110-0	WB7179	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
27	Main Hydraulic Pump	371380	MX236072	<input checked="" type="checkbox"/>	<input type="checkbox"/>		371380	MX236072	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
28	CSD			<input type="checkbox"/>	<input type="checkbox"/>		735511A	B4209	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
29	CSD Quad Ring			<input type="checkbox"/>	<input type="checkbox"/>		99167/689460A	17750	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: 4 of 14

Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
30	Generator	976J498-2	PK1269	<input checked="" type="checkbox"/>	<input type="checkbox"/>		976J498-2	PK19629	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
31	Fuel Flow Transmitter	8TJ124GGM1	2006L	<input checked="" type="checkbox"/>	<input type="checkbox"/>		8TJ124GGM1	2006L	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
32	Fuel Nozzle Filter			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
33	Oil Pressure Transmitter	418-20044	9312191	<input checked="" type="checkbox"/>	<input type="checkbox"/>		418-20044	9312191	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
34	Oil Pressure Switch	21SN04-211A	R02378B	<input checked="" type="checkbox"/>	<input type="checkbox"/>		21SN04-211A	R02378B	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
35	Timer HPTCCV	7119M71G07	GOS29173	<input checked="" type="checkbox"/>	<input type="checkbox"/>		07482-7119M7160 7	GO528173	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
36	T2 Fan Inlet Temp Sensor	8901-326	WYG75743	<input checked="" type="checkbox"/>	<input type="checkbox"/>		66503-8901-326	WYG82267	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
37	Front Spinner Cone			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
38	Rear Spinner Cone			<input type="checkbox"/>	<input type="checkbox"/>		335-011-208-0	RT04829	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
39	FWD. Engine Mount (LH)	310A1021-2	45739	<input checked="" type="checkbox"/>	<input type="checkbox"/>		310A1021-2	45731	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **5 of 14**

Serialized Items												
Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
40	FWD. Engine Mount (RH)	310A1021-1	45731	<input checked="" type="checkbox"/>	<input type="checkbox"/>		310A1021-2	45739	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
41	Cone Bolt (LH)			<input type="checkbox"/>	<input type="checkbox"/>		N/I	N/I	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
42	Cone Bolt (RH)			<input type="checkbox"/>	<input type="checkbox"/>		N/I	N/I	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
43	FWD. Thrust Link Mount Fitting (LH)			<input type="checkbox"/>	<input type="checkbox"/>		310A1036-1	45734	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
44	FWD. Thrust Link Mount Fitting (RH)			<input type="checkbox"/>	<input type="checkbox"/>		310A1036-2	22428	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
45	FWD. Thrust Link Mount Assy.			<input type="checkbox"/>	<input type="checkbox"/>		N/I	N/I	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
46	VBV Fuel Gear Motor	706400-4	14101V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		706400-4	12104V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
CORE MAJOR MODULE												
47	Fan/Air Pre-Cooler Control Valve	3289562-5	6337	<input checked="" type="checkbox"/>	<input type="checkbox"/>		8289562-4	2764	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
48	VSV Actuator (RH)	1211175-011	APMBS263	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1211175-011	APMBS263	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
49	High Stage High Pressure Shut-Off Valve			<input type="checkbox"/>	<input type="checkbox"/>		N/I	N/I	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **6 of 14**

Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
50	HPTCCV			<input type="checkbox"/>	<input type="checkbox"/>		7061M31	GAT5D893	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
51	Bleed Air Regulator	107492-3	1204C	<input checked="" type="checkbox"/>	<input type="checkbox"/>		107492-40	6915	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
52	VSV Actuator (LH)	1211175-011	APMBS255	<input checked="" type="checkbox"/>	<input type="checkbox"/>		1211175-01	APMB5255	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
53	Valve – Start Bleed Stage 5			<input type="checkbox"/>	<input type="checkbox"/>		324495	WCPB3414	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
54	Bleed Air Check Valve	3214552-5	2676	<input checked="" type="checkbox"/>	<input type="checkbox"/>		32022222-1	4387	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
55	Pressure Regulator S.O.V.			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
LPT MAJOR MODULE												
56	AFT Engine Mount			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
57	Exhaust Plug			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
58	Exhaust Sleeve			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
59	Exhaust Sleeve Skirt Fairing			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **7 of 14**

Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
60	Fire Detector (AFT) # 59			<input type="checkbox"/>	<input type="checkbox"/>		472582	0203	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Nine Probes EGT Thermocouple Wiring Harness												
61	EGT Upper Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>		N/V	N/V	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
62	RH EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
63	LH Upper EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>		301-779-801-0	16744	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
64	LH Middle EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>		301-785-202-0	17533	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
65	LH Bottom EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>		301-779-801-0	16745	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
66	EGT FWD. Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Six Probes EGT Thermocouple Wiring Harness												
67	LH Upper EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
68	LH Middle EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **8 of 14**

Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
Six Probes EGT Thermocouple Wiring Harness (continued)												
69	LH Lower EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
70	RH Upper EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
71	RH Middle EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>		301-785-001-0	YC179585-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
72	RH Lower EGT Wiring Harness			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		

Check serialized items to ensure that items 1 through 72 are completed and signed off.

Incoming:



Inspector: _____

Date: 6/11/2019

Outgoing:



Inspector: _____

Date: 12/20/2019

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **9 of 14**

Non-Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
1	Engine Data Plate	CFM56-3C-1	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		857701	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2	T-12 Fan Inlet Sensor (Stowed)	301-771-601-0	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		301-771-601-0	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3	PS12 Sensor & Sensing Line (4 ea Fan Inlet)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4	Ignition Lead LH		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5	Ignition Lead RH		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6	Oil Tank Scupper Drain Tube		NA	<input type="checkbox"/>	<input type="checkbox"/>		305-304-007-0	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7	CSD Oil Filter Housing		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
8	Magnetic Chip Detectors (3 each)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9	Lube Supply Filter & Visual Clogging Indicator		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
10	Scavenge Filter & Visual Clogging Indicator		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: CFM56-3C1

ESN: 857701

Customer: SKY TECHNIQUES



Work Order: CFM1040

Date: 12/20/2019

Page: 10 of 14

Non-Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
11	Oil Temp Bulb		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12	Fuel Supply Inlet Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
13	Fuel Filter Housing		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
14	Starter Duct		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
15	Main Hydraulic Supply Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
16	Main Hydraulic Pressure Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
17	Main Hydraulic Case Drain Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
18	CSD Supply Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
19	Timer Lockout Solenoid HPTCCV		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
20	CSD Pressure Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **11 of 14**

Non-Serialized Items												
Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
21	CSD Servicing Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
22	Oil Cooler Inlet Hose		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
23	Generator Cooling Duct (Long & Short Duct)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
24	N1 Vibration Transducer		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
25	Generator Electrical Harness (W0200)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
26	PMC Electrical Harness Connector (J2, 3, 4, 5 Test plug)		NA	<input type="checkbox"/>	<input type="checkbox"/>		7517M18P03	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
27	Fan Module Electrical Harness		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
28	Inlet Cowling		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/I	NA	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29	Extension Ring Assembly		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
30	Bleed Flow Bias Sensor		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **12 of 14**

Non-Serialized Items

Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
31	LPT Stage 1 Cooling Tubes RH (2 each)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
32	HPTCCV Discharge Manifold		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
33	HPTCCV Cooling Air Tube 9 th Stage		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
34	Fuel Nozzle (20 each)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
35	Igniter Plug RH		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
36	Igniter Plug LH		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
37	N2 Vibration Transducer		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
38	EGT Shunt		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
39	LPT Stag 1 Cooling Tubes LH (2 each)		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
40	VSV Feed Back Cables		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **13 of 14**

Non-Serialized Items												
Item	Nomenclature	Part No. Received	S/N Received	I	NI	Insp	Part No. Shipped	S/N Shipped	I	NI	Insp	Remarks
41	VBV Feed Back Cables		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
42	HPC Stag Bleed Duct		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
43	HPC Stage 9 Bleed Duct		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
44	EGT Bracket and Terminal Lugs Block		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
45	LPT Case Cooling Manifold		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
46	AFT Sump Oil Scavenge Line		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
47	AFT Sump Oil Supply Line		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
48	LPT Cooling Distribution Box		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
49	Flame Arrestor		NA	<input type="checkbox"/>	<input type="checkbox"/>		N/V	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Model: **CFM56-3C1**

ESN: **857701**

Customer: **SKY TECHNIQUES**



Work Order: **CFM1040**

Date: **12/20/2019**

Page: **14 of 14**

Check non-serialized items to ensure that items 1 through 49 are completed and signed off.

Incoming:



Inspector: _____

Date: 6/11/2019

Outgoing:



Inspector: _____

Date: 12/20/2019