CFM56-7B
Borescope Inspection Report

ENGINE SERIAL NUMBER	
DATE OF INSPECTION	24/07/2025
TYPE OF INSPECTION	Full Rigid BSI
LOCATION OF INSPECTION	
INSPECTION PREFORMED BY	
ENGINE TSN	73,948
ENGINE CSN	29,973
AIRCRAFT TYPE (If installed on wing)	N/A Off Wing
AIRCRAFT MSN / REG (If installed on wing)	N/A Off Wing
ENGINE POSITION (If installed on wing)	N/A Off Wing
AERFIN REPORT REFERENCE	AF97
AEREFIN WORK ORDER NUMBER	FTS 129
REPORT PREPARED BY	
ENGINE STATUS / CONDITION	SERVICEABLE

Report Contents

List of Appendices

Not Applicable.

1. Introduction

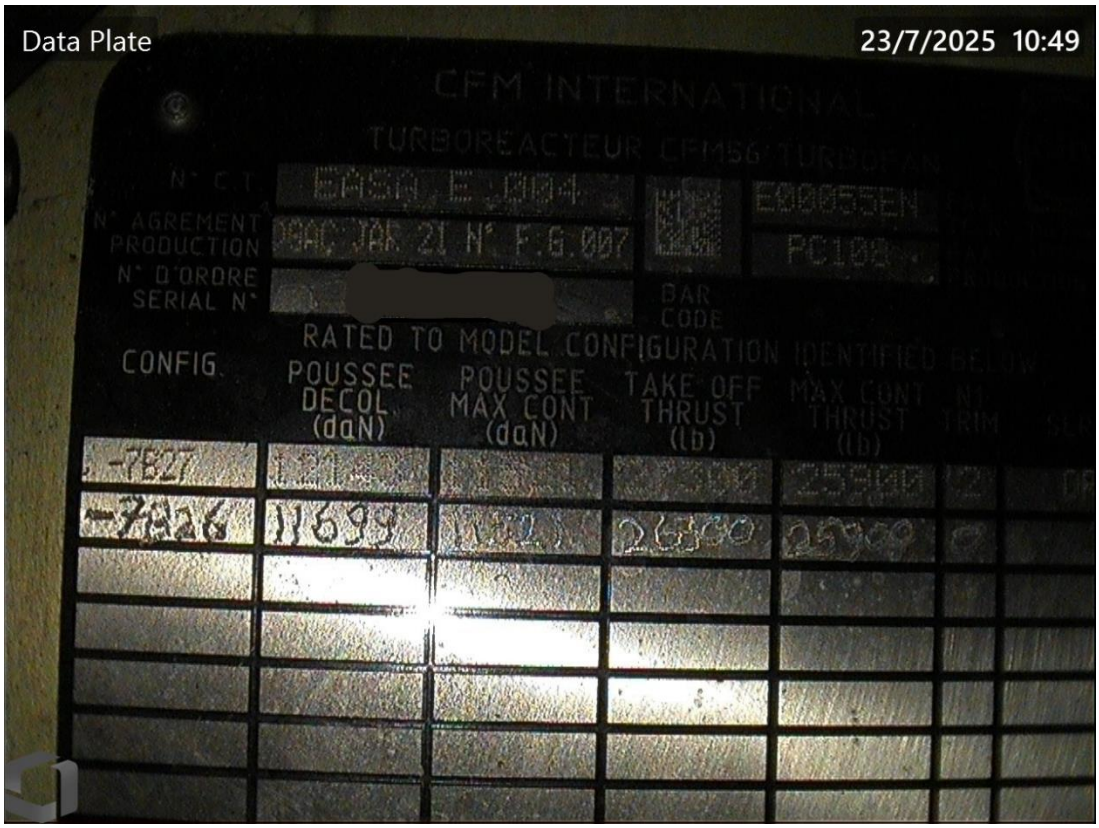
1.Introduction

This report and accompanying data is to be treated as Confidential Information for the purposes of the related Engine Services Agreement and is disclosed in accordance with the terms there of. Furthermore, the report and accompanying data represent the condition of the inspected engine at the time of inspection stated in the report together with the referenced hours and cycles. The inspection remains subject to latent defects in materials, rigging or components, assemblies and/or systems not detectable without removal or disassembly. The content of the report may be relied upon by the Customer only and is issued in accordance with and subject to the terms of the related Engine Services Agreement Side Letter No 3.

2. Manual Reference and Revision.
This video borescope inspection was carried out in accordance with the :

Boeing 737 Aircraft Maintenance Manual, Section 72, revision 87 issue JUN 15/2025

3. Main Highlights and Observations.
Engine condition is considered as SERVICEABLE after Borescope inspection.



4 Borescope Inspection Findings

4.1 LPC

Stage	Within limits	~~Observations~~	Image ref
STAGE 2	YES	• Minor Nicks & Dents. • Environmental Deposits. • Shrouds show signs of Rubbing. • No Significant Findings Noted.	1 2
STAGE 3	YES	• Minor Nicks & Dents. • Environmental Deposits. • Craters Noted on Shrouds. • No Significant Findings Noted.	3 4
STAGE 4	YES	• Minor Nicks & Dents. • Environmental Deposits. • No Significant Findings Noted.	5 6

Image 1

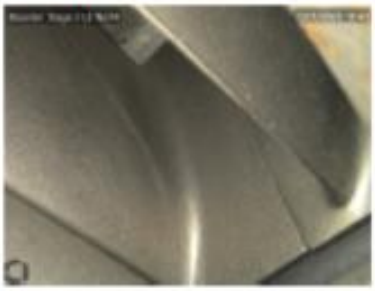


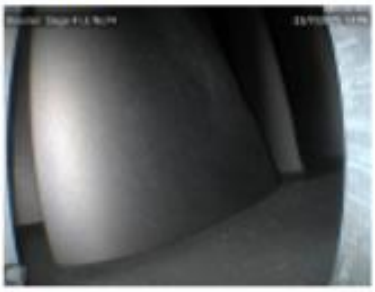
Image 2

Image 3

Image 4

Image 5

Image 6



4.2 HPC

Stage	Within limits	Observations	Image ref
STAGE 1	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	1 2
STAGE 2	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	3 4
STAGE 3	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	5 6

Image 1

Image 2

Image 3

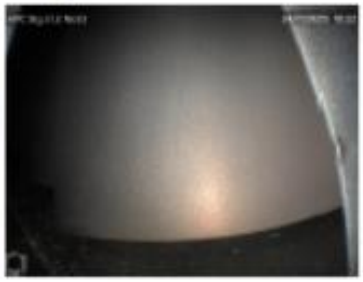


Image 4

Image 5

Image 6

4.2 HPC

Stage	Within limits	Observations	Image ref
STAGE 4	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted within limits. • No Significant Findings Noted.	1 2
STAGE 5	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • Largest Nick (with a depth of 0.64mm) found on Leading Edge in Dim B within limits IAW AMM: 72-00-00-290-011-F00 Para (3)(k) 1) "No maximum number of tears, nicks, missing material and erosion if the damage is less than 0.04 inch (1.0 mm) in depth". • No Significant Findings Noted.	3 4
STAGE 6	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	5 6

Image 1

Image 2

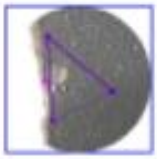


Image 3

Image 4

Image 5

Image 6

4.2 HPC

Stage	Within limits	Observations	Image ref
STAGE 7	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • Largest Nick (with a depth of 0.47mm) found on Leading Edge in Lower 25%, within limits IAW AMM: 72-00-00-290-009-F00 Para (2) (h) 2) "There is no limit of nicks, dents and missing material if the damage is less 0.03 inch (0.8 mm) in depth". • No Significant Findings Noted.	
STAGE 8	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	
STAGE 9	YES	• Mineral & Environmental Deposits Noted. • Minor Nicks & Dents Noted. • No Significant Findings Noted.	

Image 1

Image 2

Image 3

Image 4

Image 5

Image 6

4.3 Combustion case

Section	Within limits	Observations	Image ref
COMBUSTION LINERS AND DOME AREAS	YES	• Minor Coating Loss. • Minor Carbon Build-Up around Fuel Nozzles.	1-9

Image 1

Image 2

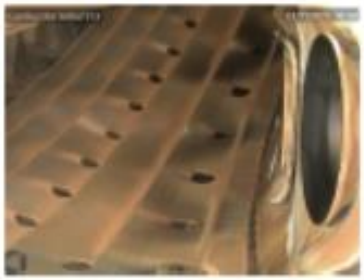


Image 3

Image 4

Image 5

Image 6

Image 7

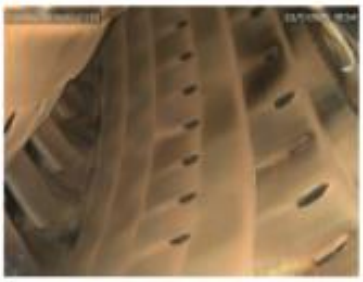


Image 8

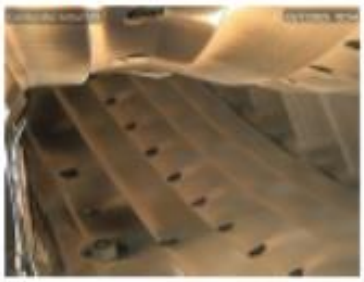


Image 9

4.4 HPT

STAGE	Within limits	Observations	Image ref
BLADES	YES	• Minor Coating Loss. • Mineral Deposits. • No Significant Findings Noted.	
NOZZLE GUIDE VANES	YES	• Minor Coating Loss. • No Significant Findings Noted.	
SHROUDS	YES	• Minor Deposits Noted. • Minor Oxidation Build-Up Noted. • No Significant Findings Noted.	

Image 1

Image 2

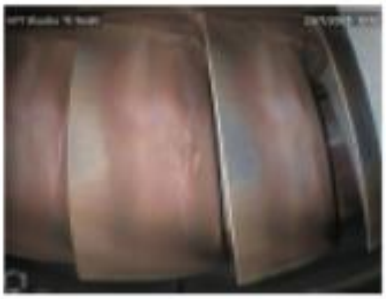


Image 3

Image 4

Image 5

Image 6

4.5 LPT

Stage	Within limits	Observations	Image ref
NOZZLE STAGE 1	YES	• Minor Nicks & Dents Noted. • Minor Mineral Deposits Noted. • No Significant Findings.	1 2
STAGE 1	YES	• Minor Nicks & Dents Noted. • Minor Mineral Deposits Noted. • Tip shroud noted to be out of flush, within limits: IAW AMM 72-00-00-210-065-F00 Para (2) (k) 1) a) "Not more than 0.0472 in. (1.20 mm), and not more than 0.0413 in. (1.05 mm) on the hard faces".	3
STAGE 2	YES	• Minor Nicks & Dents Noted. • Minor Mineral Deposits Noted. • No Significant Findings.	4
STAGE 3	YES	• Minor Nicks & Dents Noted. • Minor Mineral Deposits Noted. • No Significant Findings.	5
STAGE 4	YES	• Minor Nicks & Dents Noted. • Minor Mineral Deposits Noted. • Previous Bled Repair Noted on Trailing Edge. • No Significant Findings.	6

Image 1

Image 2

Image 3

Image 4

Image 5

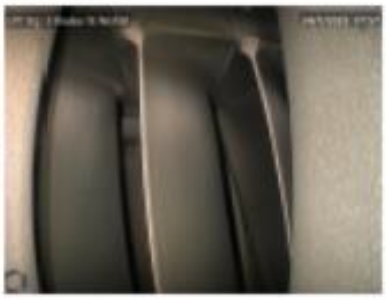
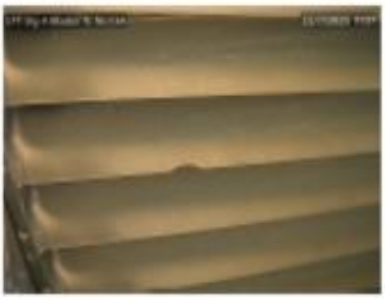


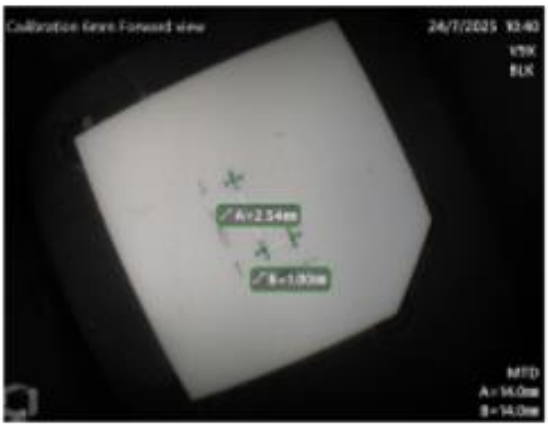
Image 6



4.6 Other Inspections – n/a

Area	Within limits	Observations	Image ref

4.7 Calibration image



5. Additional information

None

Appendices
None

6. Completion Stamp / signature

Print Name .....

Stamp

Signed

CFM56 Engine Build Specification

Engine Summary

Asset Series:	CFM56-7B27
Thrust Rating:	7B27
Technology:	SAC
EGT Margin (ſC):	37
QEC Build Status:	Full

Times and Cycles

TSN:	73,949
CSN:	29,973
TSO:	36,037
CSO:	14,945
LLP Limiter (Cycles):	5,035

Maintenance Summary

HPTB Cycles Remain:	5,055
PMA/DER:	No

Life Limited Parts Status

Description	Part No.	Life Limit	FCR
Fan Disk	340-000-420-0	30,000	5,035
Booster Spool	340-000-826-0	30,000	5,035
Fan Shaft	335-006-414-0	30,000	5,035
HPC Front Shaft	1386M56P03	20,000	5,055
HPC Stage 1-2 Spool	1558M31G07	20,000	5,055
HPC Stage 3 Disk	2116M23P01	20,000	5,055
HPC Stage 4-9 Spool	2048M20G04	20,000	5,055
HPC Rear Airseal	2116M25P01	20,000	5,055
HPT Front Shaft	2048M21P03	20,000	5,055
HPT Front Airseal	2116M20P02	20,000	5,055
HPT Rotor Disk	1498M43P07	20,000	5,055
HPT Rear Shaft	1864M90P04	20,000	5,055
LPT Stage 1 Disk	336-001-804-0	25,000	19,928
LPT Stage 2 Disk	336-001-909-0	25,000	19,928
LPT Stage 3 Disk	336-002-006-0	25,000	19,928
LPT Stage 4 Disk	336-002-105-0	25,000	19,928
LPT Shaft	340-074-723-0	25,000	19,928
LPT Conical Support	340-301-702-0	25,000	19,928

Workscope

Fan Module	Level 1 - Fan Swap (21X/22X), Inspect & Repair as Required
Core Module	Level 1 - Continue Time
LPT Module	Level 1 - Continue Time