

ERA24FA110

AIRWORTHINESS

Group Chair's Factual Report - Attachment 2

Engine Borescope Report 2019

May 8, 2025



Turbine Engine Specialists, Inc.

3900 Falcon Way West Hangar 16 South

Fort Worth, TX. 76106

CRS TEHR262X

Engine Log

ACFT: Challenger 604	REG: N828KD	SN: 5584	TAT: 6417.30	LDG: 2452
ENG: CF34-3B	SN: P-950106	POS: #2	TSN: 6417.30	CSN: 2452

THE FOLLOWING SCHEDULED INSPECTIONS WERE COMPLIED WITH:

ITEM / SPEC:	DESCRIPTION:
3200 HR INSP, ENG OIL LEAKING	PERFORMED LISTED INSPECTIONS WITH NO DISCREPANCIES NOTED IAW GE SE1-780 MM REV 59 DATED 02-01-19. REMOVED AND REPLACED #7 CARBON SEAL IAW GE SE1-780 MM REV 59 DATED 02-01-19. LEAK AND OP CHECKS GOOD IAW GE SE1-780 MM REV 59 DATED 02-01-19. ALL WORK WAS ACCOMPLISHED IAW GE SE1-780 MM REV 59 DATED 02-01-19.

THE FOLLOWING NON-SERIALIZED PARTS WERE INSTALLED:

Part Name	PN Off		Part Name	PN On
#7 Carbon Seal	4059T40PO2		#7 Carbon Seal	4059T40PO2

*** AIRWORTHINESS RELEASE ***

The Engine identified above was repaired and / or inspected in accordance with the current regulations of the FAA and is approved for return to service. Pertinent details of this work scope are on file at this maintenance facility under work order number: A25484

Signature :		Certificate Type/Number:	CRS TEHR262X
Printed Name :	Darren Yamada	Date :	3/8/2019



CF34 Borescope Report

Customer:	Bombardier	TES Work Order:	A25484
Engine MFG:	GE	Engine Model:	CF34-3B
Aircraft Reg:	N828KD	Aircraft S/N:	5584
Aircraft TAT:	6417.3	Aircraft LDG:	2452
Work Scope:		3200 HR inspection	
Customer Contact:		Hector Quinones	
Engine S/N:	950106	Engine Position:	RH
Engine TSN:	6417.3	Engine CSN:	2452
Performing Technician:		[REDACTED]	
Report Generated by:		[REDACTED]	

Work Description:

A detailed 3200 HR borescope inspection has been performed on this engine. An internal borescope evaluation has been performed on the compressor, combustion liner, fuel nozzles, 1st stage high pressure turbine nozzle, 1st and 2nd low pressure turbine rotors.

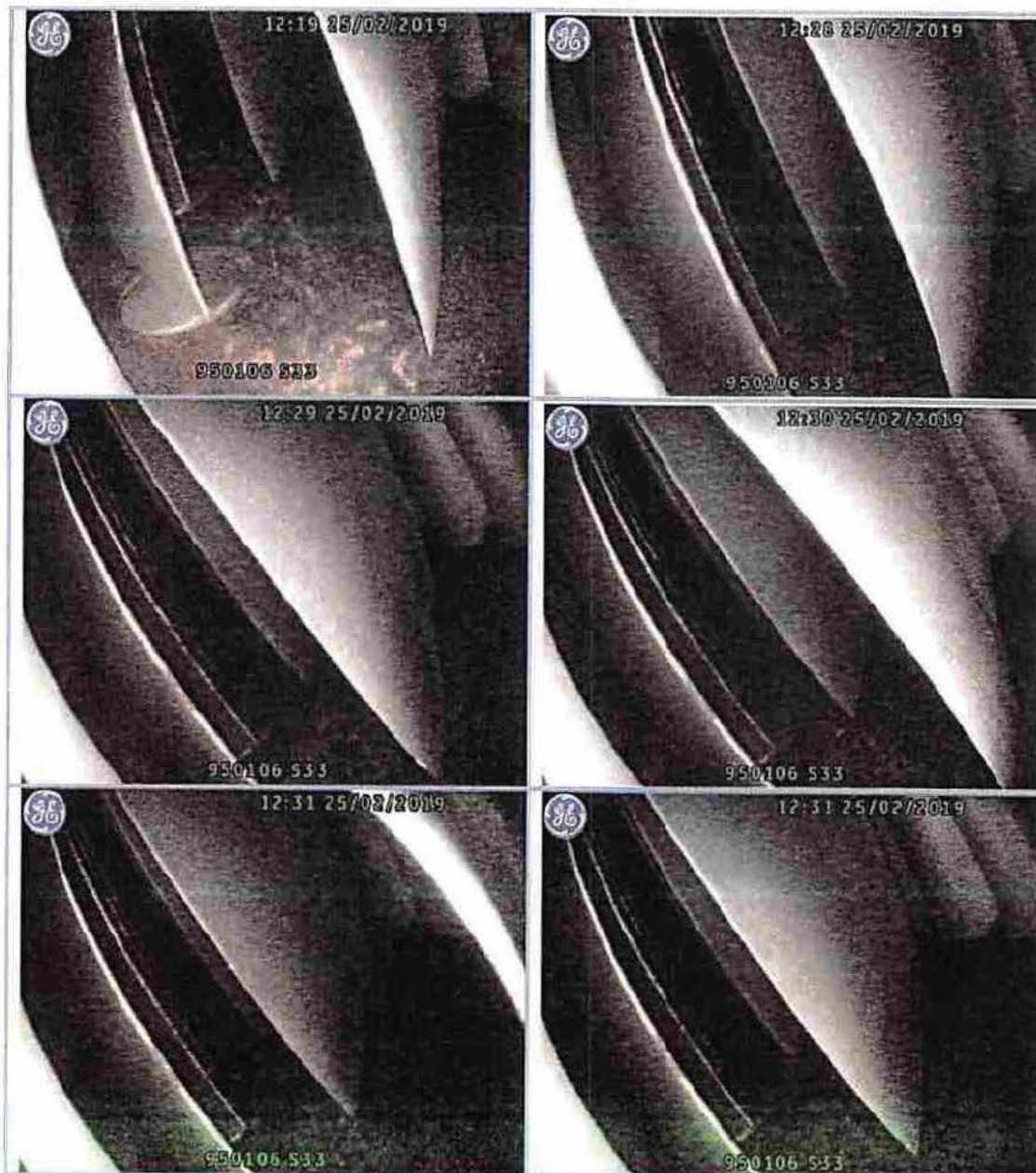
Customer:	Bombardier	TES Work Order:	A25484
Engine MFG:	GE	Engine Model:	CF34-3B
Aircraft Reg:	N828KD	Aircraft S/N:	5584
Aircraft TAT:	6417.3	Aircraft LDG:	2452

Inspection Summary

Zone	Page	Method of evaluation	Disposition
Port S33	3	Video Borescope	Normal signs of operation. No discrepancies
Port S34	4	Video Borescope	Normal signs of operation. No discrepancies
Port S35	5	Video Borescope	Normal signs of operation. No discrepancies
Port S45	6	Video Borescope	Normal signs of operation. No discrepancies
Port S37	7	Video Borescope	Normal signs of operation. No discrepancies
Port S18	8	Video Borescope	Normal signs of operation. No discrepancies
Port S49	9	Video Borescope	Normal signs of operation. No discrepancies
Port S50	10	Video Borescope	Normal signs of operation. No discrepancies
Port S51	11	Video Borescope	Normal signs of operation. No discrepancies

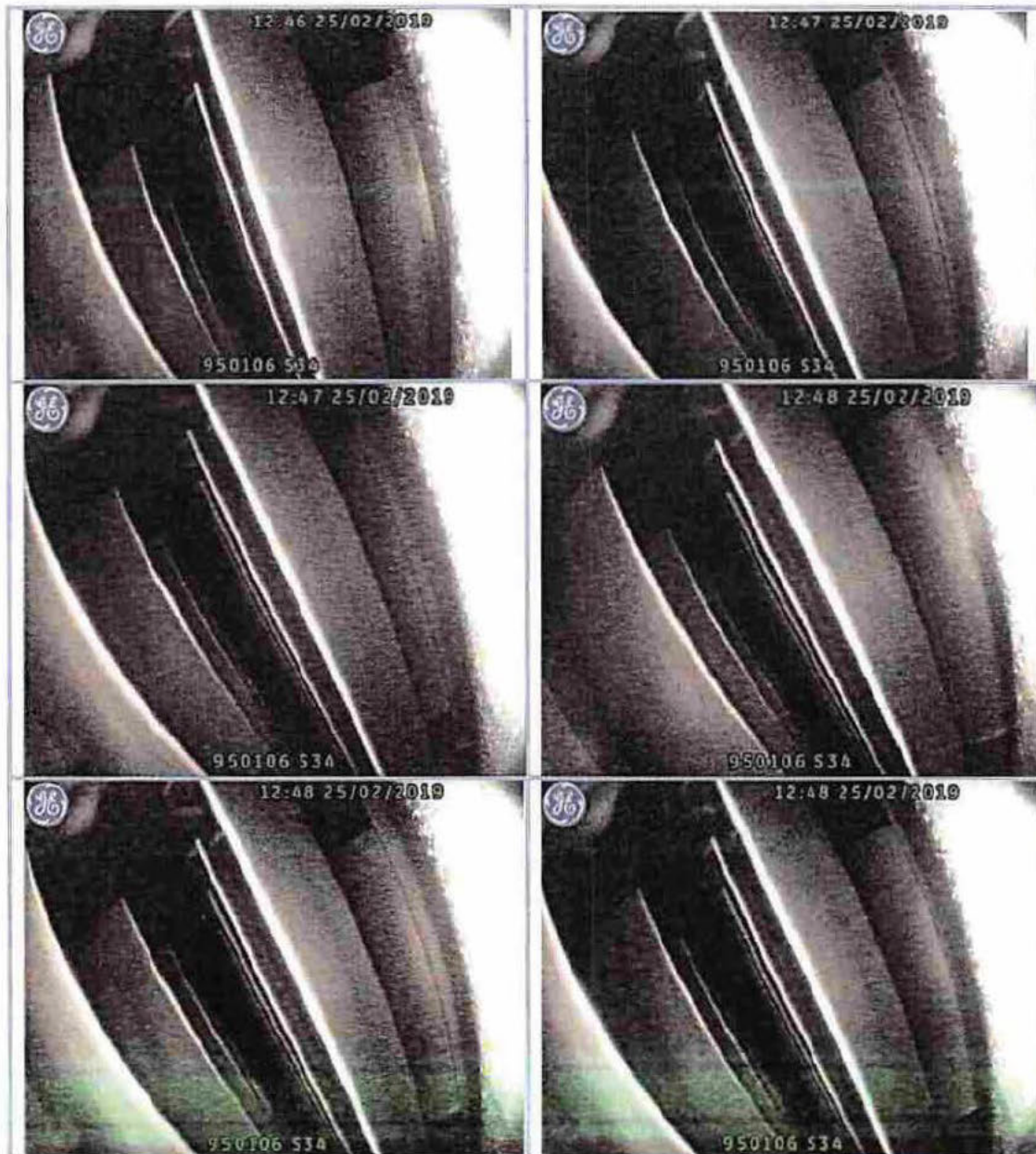
	Engine Model:	CF34-3B	Serial Number:	950106
	Engine TSN:	6417.3	Engine CSN:	2452

- Port S33



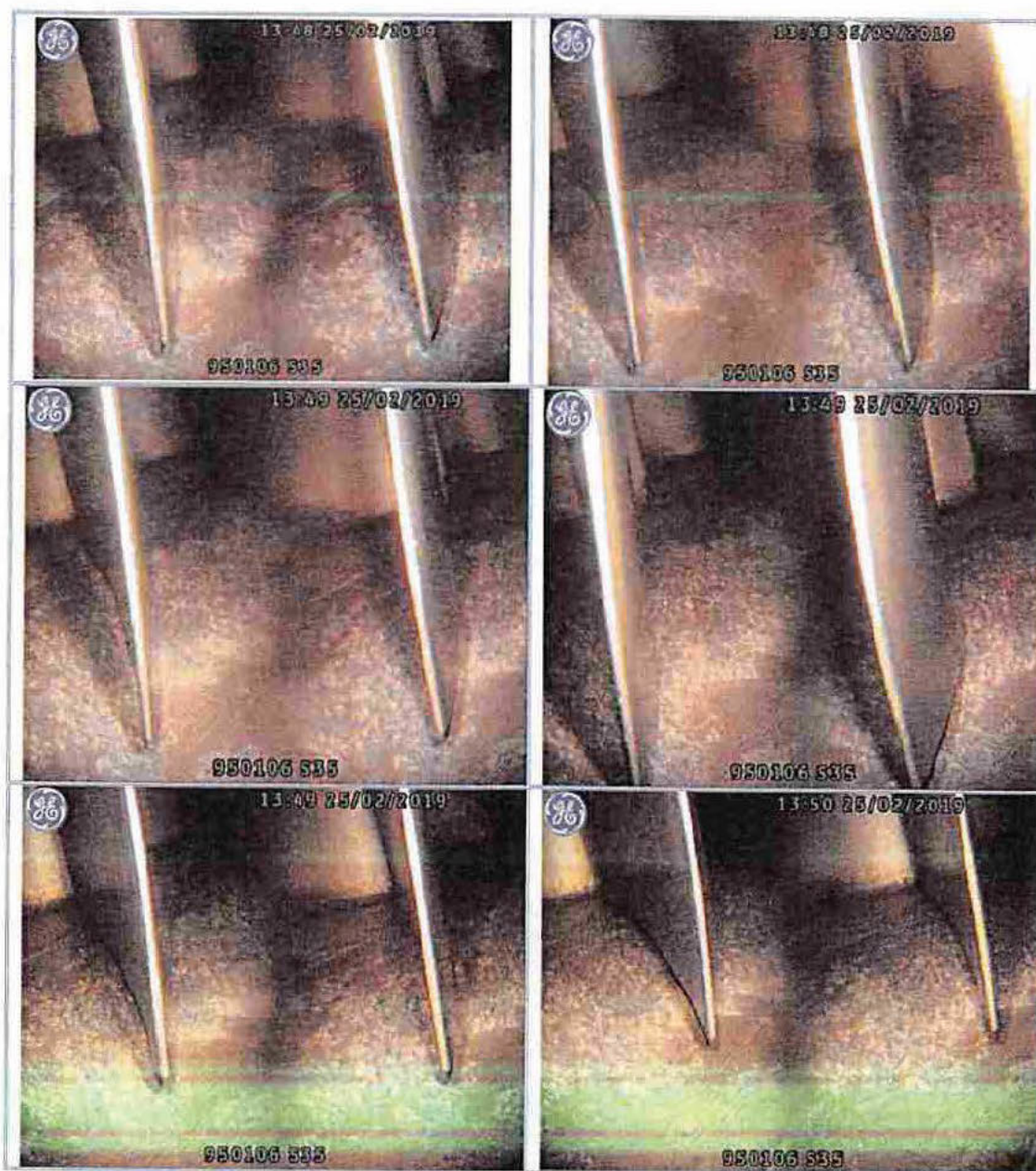
	Engine Model:	CF34-3B	Serial Number:	950106
	Engine TSN:	6417.3	Engine CSN:	2452

- Port S34



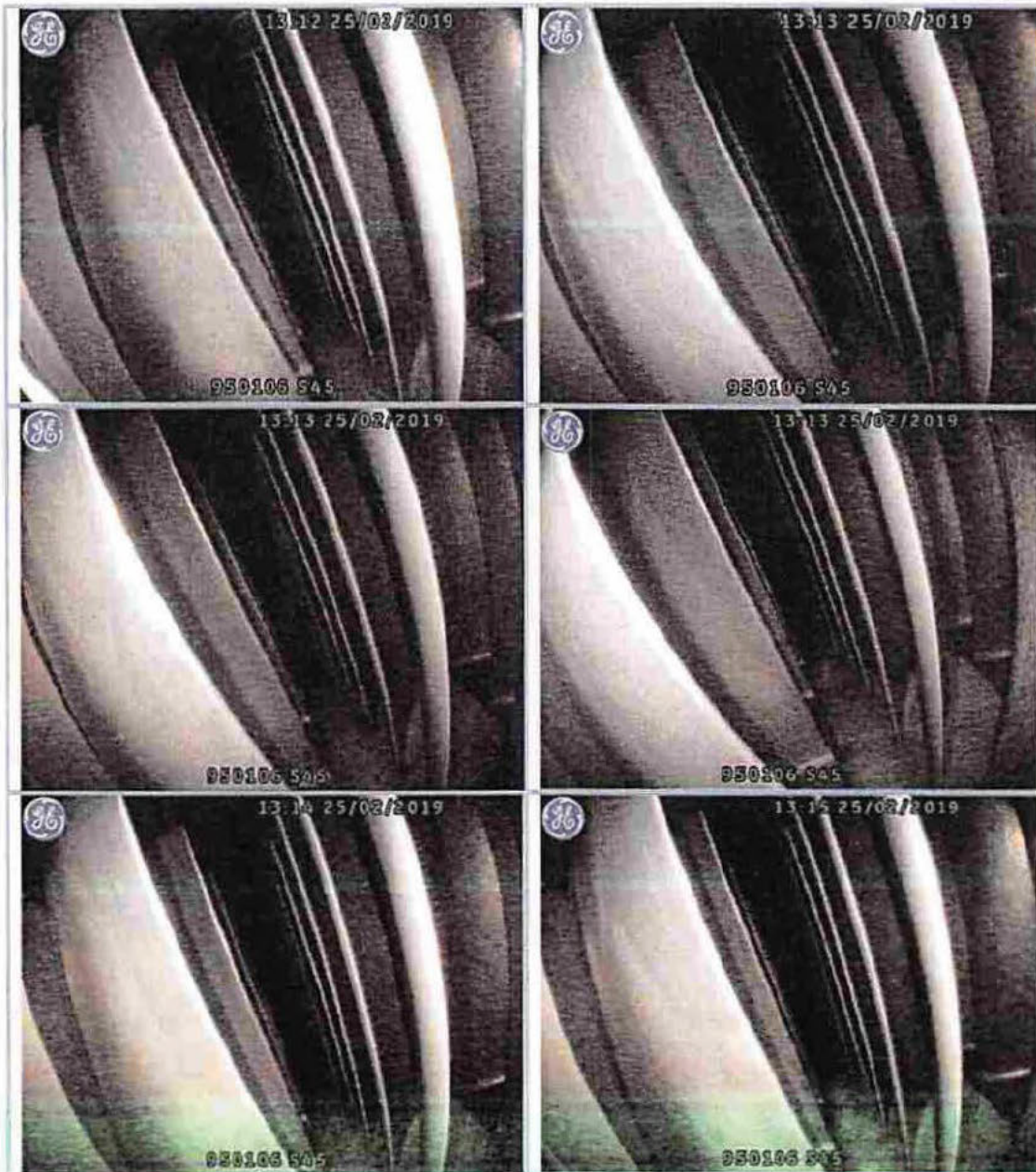
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	Engine TSN:	6417.3	Engine CSN:	2452

- Port S35



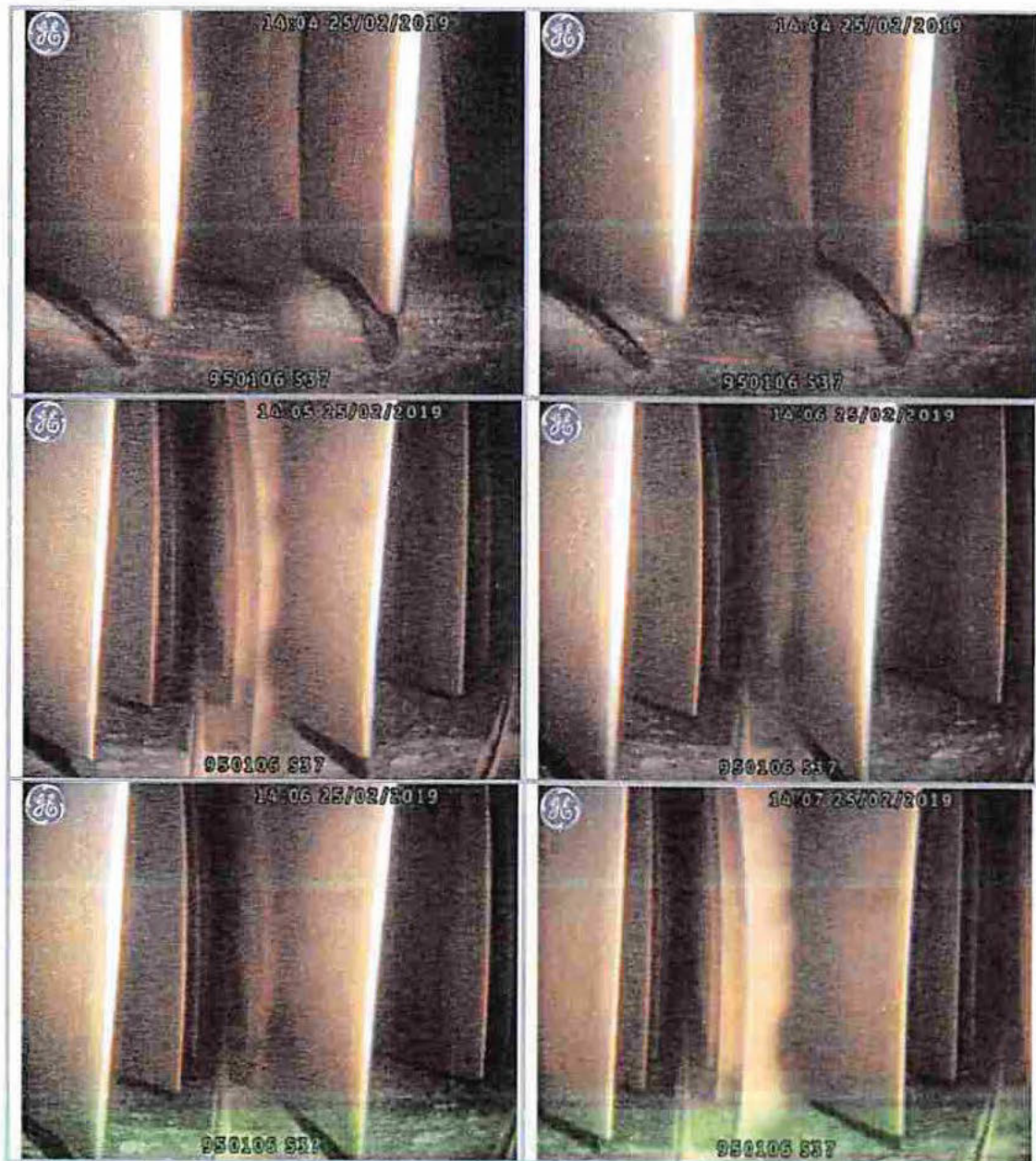
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	Engine TSN:	6417.3	Engine CSN:	2452

- Port S45



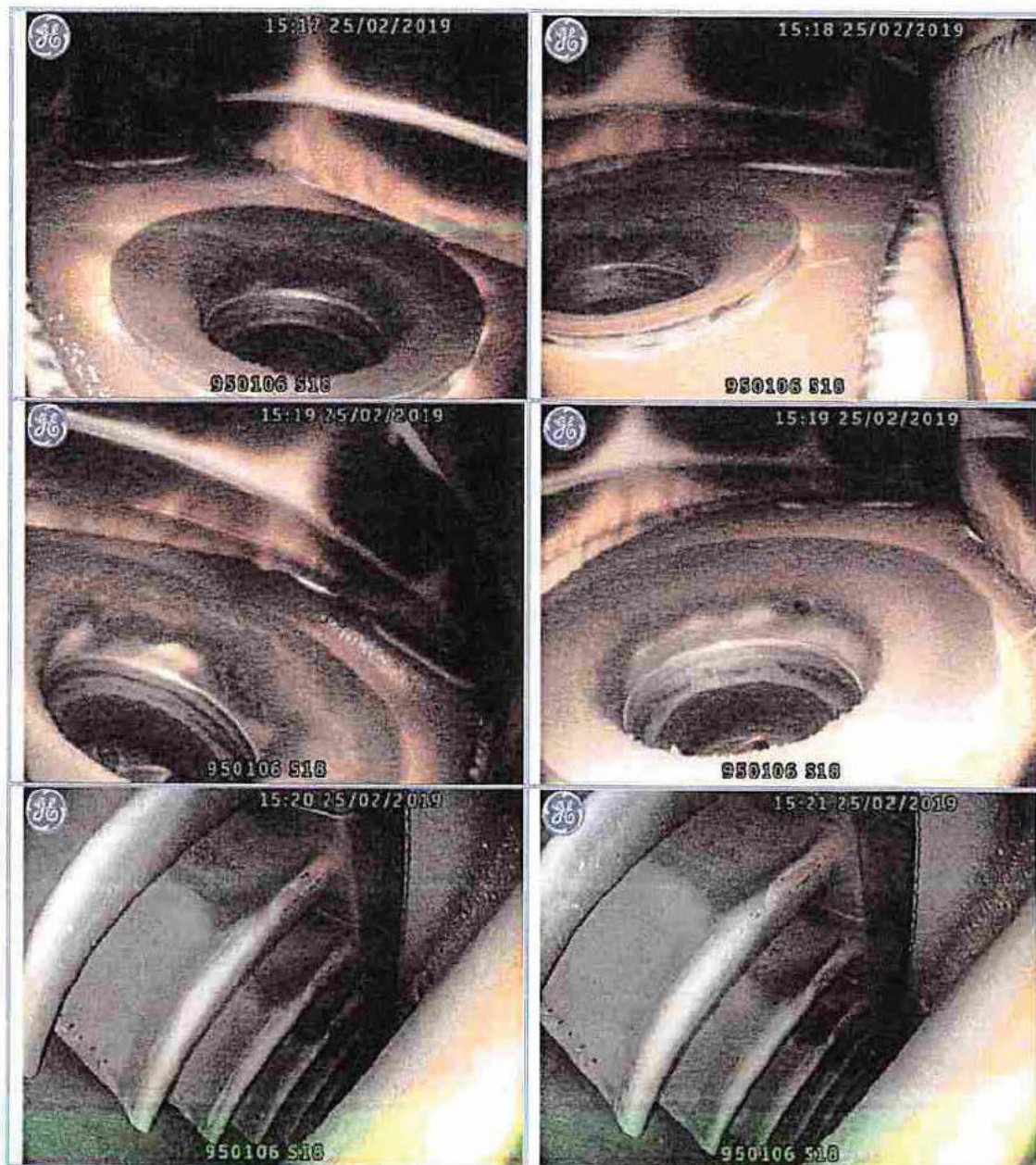
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	Engine TSN:	6417.3	Engine CSN:	2452

• Port S37



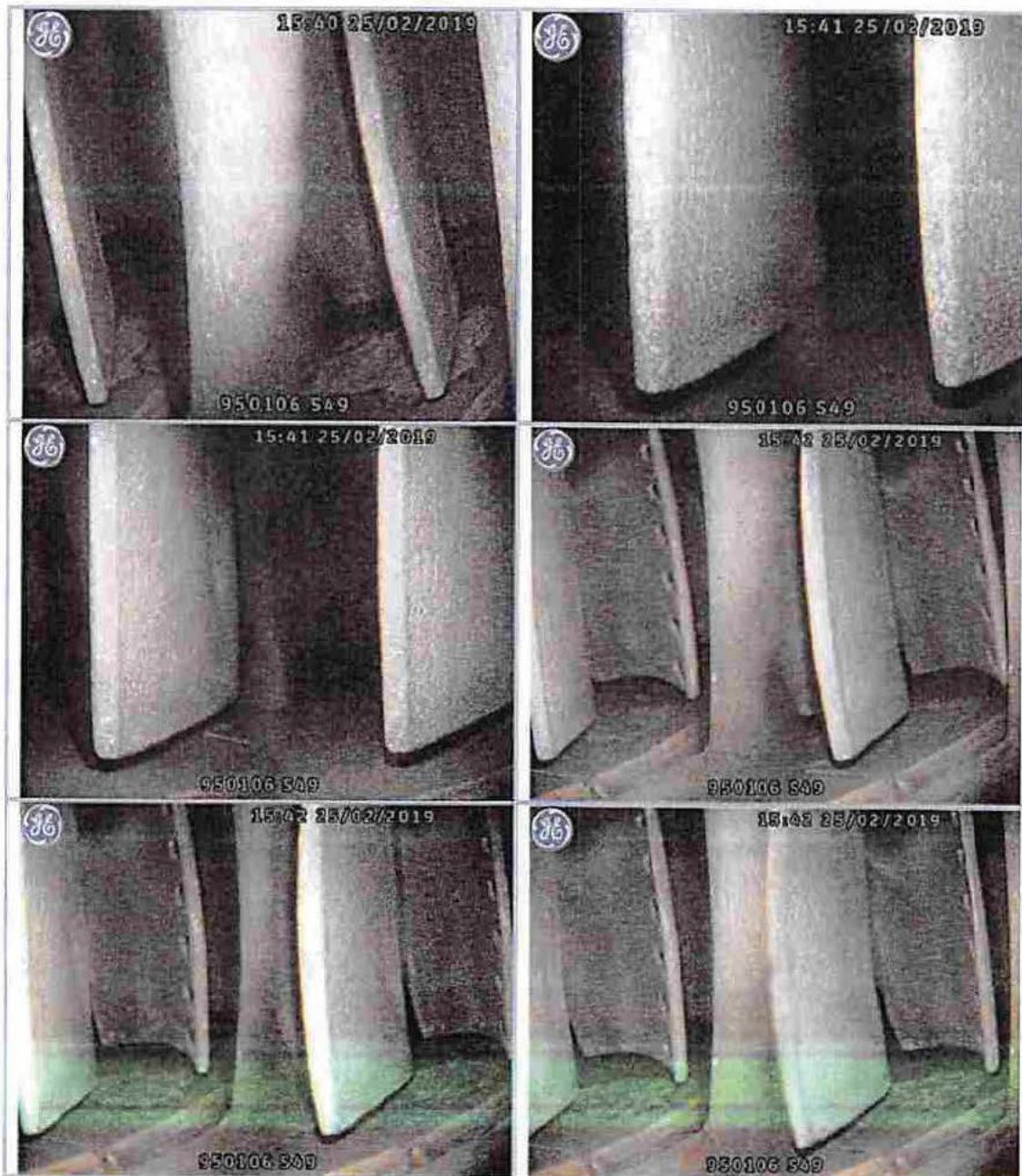
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	Engine TSN:	6417.3	Engine CSN:	2452

- Port S18



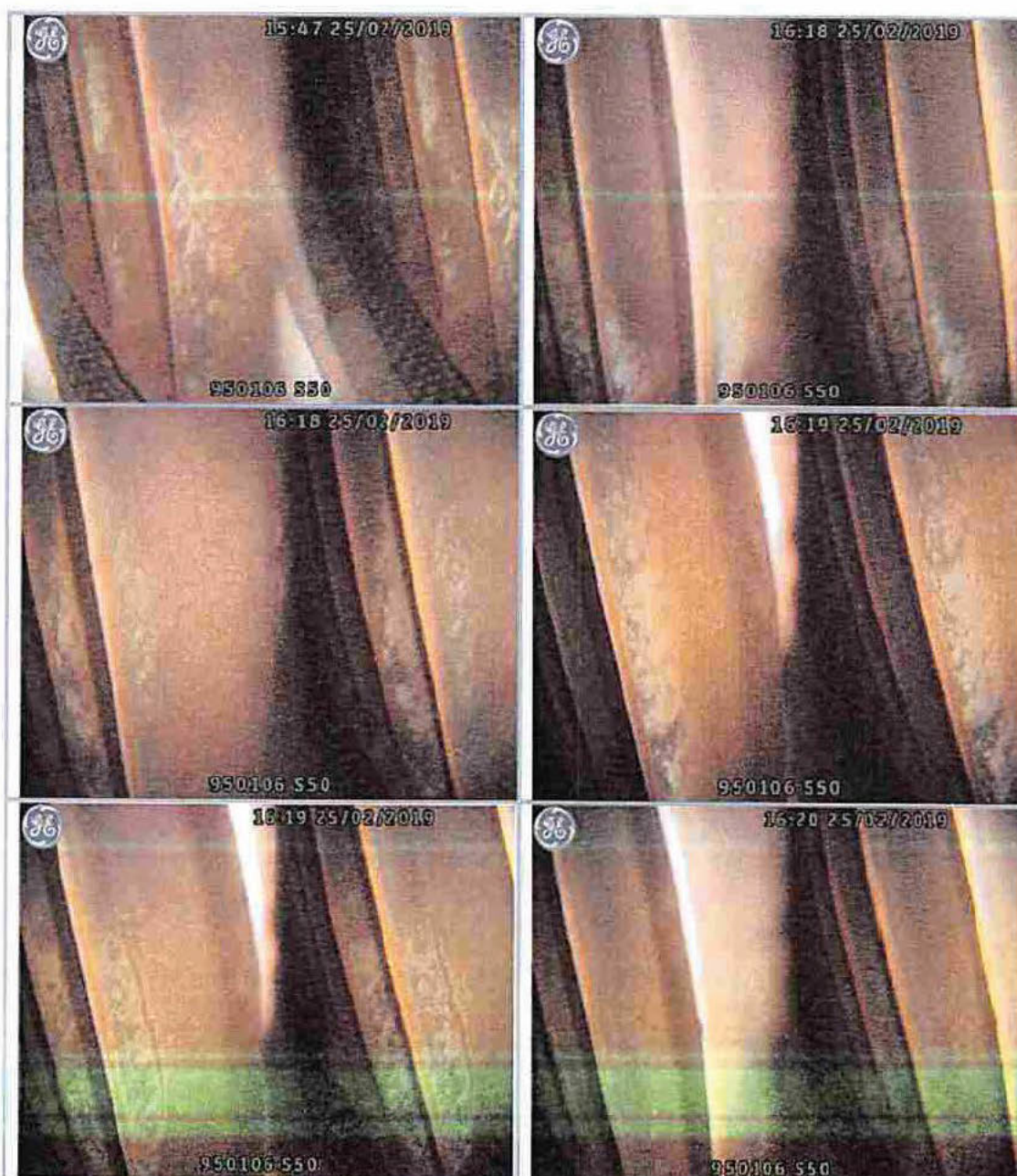
	Engine Model:	CF34-3B	Serial Number:	950106
	Engine TSN:	6417.3	Engine CSN:	2452

- Port S49



	Engine Model:	CF34-3B	Serial Number:	950106
	Engine TSN:	6417.3	Engine CSN:	2452

- Port S50



	Engine Model:	CF34-3B	Serial Number:	950106
	Engine TSN:	6417.3	Engine CSN:	2452

- Port S51

