

ENGINE BORESCOPE REPORT 24072017-1

AMO Reference:
EASA.145.0770

Attachment ☐ No ☒ Yes \Rightarrow Qty 4

MJSS/ AMOS WP No	AC Type	AC Reg	Engine Type	Engine S/N	Operating time	
XLH/H-21'0717AW	B474-446	EI-XLF	CF6-80C2B1F	704819	Hours 61'046	Cycles 9'751
Used tools or equipment:		Olympus RX				
Borescope ports		B2-1 through B2-4(CC); B3-1, B3-2, B4-1(HPT); B4-1,B4-3, B4-4, B4-2(LPT);				

☐ Scheduled
Reason for inspection ☒ **Unscheduled**

Ref MJC/AMOS TC No

Ref ATL (AMOS WO): **WO 503767431**

Inspection result:

Borescope inspection ENG#1 **High Pressure Turbine Rotor Blades 1st and 2nd stages, Combustion Chamber, Low Pressure Turbine 1-5 Stages**
has been performed 747 AMM Rev. 90 Jul 2017. Page-block 72-00-00/601

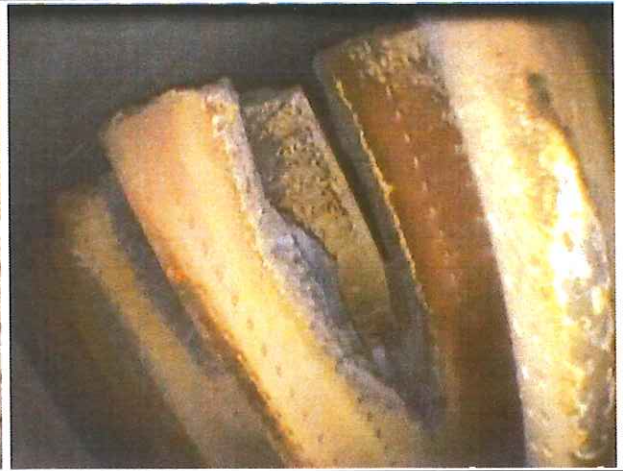
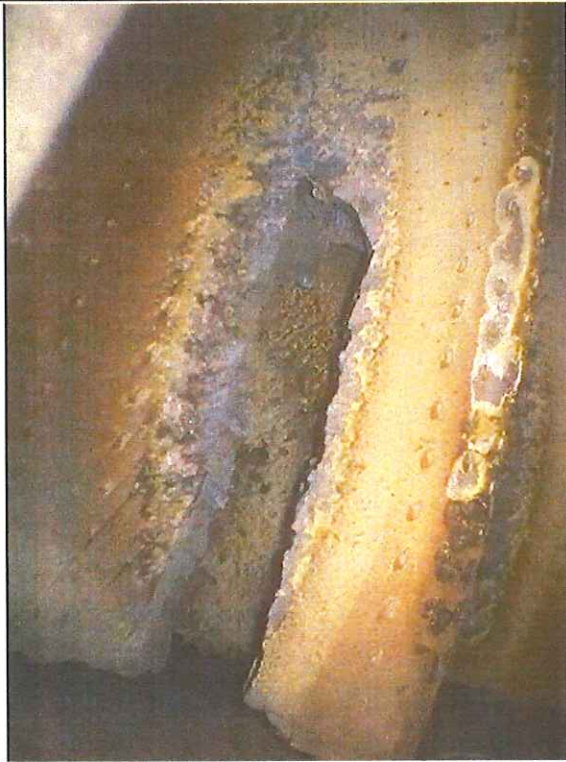
Results:

1) HPT 1st stage: The all rotor blades have a burns and 41 of them have missing material from burn through on concave and convex side.

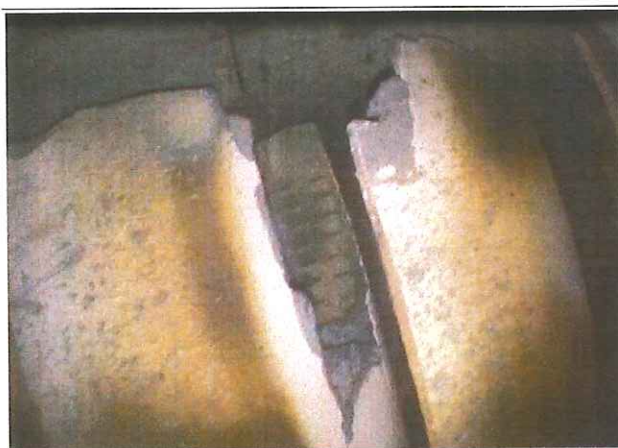
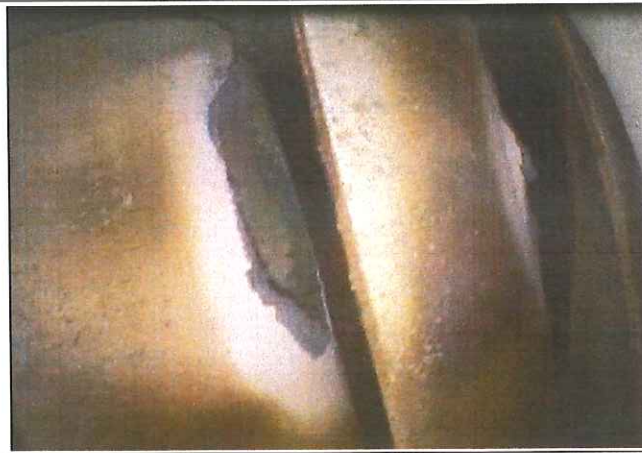
For example see photos below:

View from LE:





View from TE:



2) -HPT 2nd stage rotor blades – nil findings.

-2nd stage HPT shroud rub surface – discrepancies are not found;

3) Combustion chamber :

-Combustion inner and outer liners - discrepancies are not found;

-Dome assembly - discrepancies are not found;

-Fuel nozzle - discrepancies are not found;

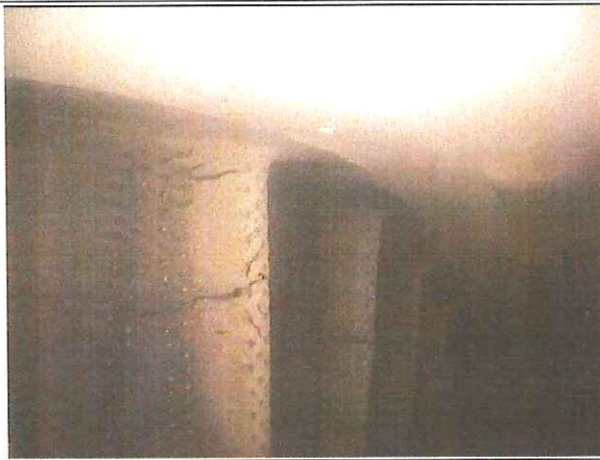
- Combustor cowl - discrepancies are not found;

-Igniter Tube and Igniter Ferrule - discrepancies are not found;

-Forward outer and forward inner leaf seals - discrepancies are not found;

4) HPT NGV 1st LE:

**Some vanes have cracks which does not extend past the 4th film row of cooling hole on concave side:
(See Rep.# 25032017-1 and photos below for example)- no change;**



5) HPT NGV 2nd stage vanes (area adjusted to the borescope port) – discrepancies are not found;

6) During inspection of Low Pressure Turbine:

1st stage LPT – discrepancies are not found;

2nd stage LPT LE – discrepancies are not found;

3rd stage LPT TE – discrepancies are not found;

4th stage LPT LE – discrepancies are not found;

5th stage LPT TE – discrepancies are not found;

Inspector's comments on result.

Surname: Minyaev R.	Sign: 	Stamp: BI- 05	Date: 24.07.2017.	Station: VKO
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