

ICFM5617
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AMO 1
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SOUTH AFRICAN AIRWAYS - POWERPLANT
ENGINEERING CFM56-5C4/P WORKSCOPE SUMMARY

CHAIRMAN: M.R.Makgaka
PRESENT: I. Sinclair, A.Swanepoel, F.Smit, I.Mabunda

ABSENT: Fleet Management, MCC, A/C Planning.
APOLOGIES: N/A

ENG. NO :	567283	DATE REM. :	2019/10/28
J.A.N. :	N/A	EX A/C :	ZS-SXE
T.S.N. :	48374	C.S.N. :	6126
T.S.L.S.V. :	18122	C.S.L.S.V. :	2536

REASON FOR REMOVAL: 1st Stage LPT Nozzle Guide Vane Distress

MODULE S/N	WORK TO BE CARRIED OUT	NOTES
FAN & BOOSTER (01)	Minimum Workscope	The Fan Blades will be removed and Inspected per ESM. Fan relubrication will be carried out. Disassembly of the Booster and Sweco cleaning to improve engine performance will be based on BSI findings only.
21X67283	Level 1	
1 & 2 BRG SUPPORT (02BU)	Minimum Workscope	The module will be removed for cause only and inspected visually on modular level.
22X67283	Level 1	
FAN FRAME ASSY (02S)	Minimum Workscope	The fan abratable will be refurbished if necessary. All VBV system comp. will removed and treated per SB 75-0063.
23X67283	Level 1 + Repair	
HPC ROTOR (03R)	Overhaul Workscope	Rotor will not be de-staked. All HPC blades will be removed and refurbished.
31X67283	Level 3	
HPC STATOR - FRONT (03S)	Overhaul Workscope	Replace VSV Bushings with latest standard hardware.
32X67283	Level 3	
HPC STATOR REAR (03S)	Overhaul Workscope	Refurbish the flow path to improve performance.
33X67283	Level 3	
COMBUSTION CASE ASSY (04)	Overhaul Workscope	O/H Fuel Nozzles. Refurbish the CDP honeycomb seal.
41X67283	Level 3	
HPT NOZZLE ASSY (06)	Performance Workscope	
51X67283	Level 2	
HPT ROTOR ASSY (07)	Overhaul Workscope	Incorporate FAA AD 2019-12-05/ EASA AD 2019-0150 Rotor will be de-staked. Incorporate SB 72-0687 REPLACE HPT BLADES WITH NEW PARTS
52X67283	Level 3	
SHROUD ASSY HPT/LPT NOZZLE (08)	Performance Workscope	Replace LPT Nozzles with new parts
53X67283	Level 2	
LPT ASSY (09)	Performance Workscope	O/H 1st Stage Outer Air Seal.
54X67283	Level 2	
LPT SHAFT ASSY (09BU)	Minimum Workscope	Removed Bearing for O/H type insp.
55X67283	Level 1	
LPT FRAME ASSY (09TF)	Minimum Workscope	
56X67283	Level 1 + Repair	
IGB & #3 BRG ASSY (02IGB)	Minimum Workscope	
61X67283	Level 1	
TRANSFER GEARBOX (10TGB)	Minimum Workscope	Incorporate SB 72-0676
62X67283	Level 1	
ACCESSORY GEARBOX (10AGB)	Minimum Workscope	All Magnetic Seals, Hydraulic Drive pad seals and studs to be replaced.
63X67283	Level 1 + Repair	
BEARINGS	All removed bearings O/H type insp.	
FINAL ASSEMBLY		
GENERAL:	NOTE: Overhaul HPT ACC VALVE and EGT Probes. Overhaul Components as per Component Workscope sheets. Target Build for this Engine 25 000 hours. 1. The above modules are workscoped to be re-used in the same engine. Should it be necessary to use another S/N module in this engine, the workscope must be reviewed by Power Plant Engineering, Power Plant Production and Powerplant Planning. 2. Regardless the extend of disassembly, all applicable Mandatory requirements must be complied with.	

CHAIRMAN:

DATE:

MANAGER:

DATE:

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