MAINTENANCE SPECIFICATIONS

ENGINE #1 Model Type - CF6-80E1A4 Serial No. 811207

 $\mathsf{C} ~\mathsf{O} ~\mathsf{N} ~\mathsf{F} ~\mathsf{I} ~\mathsf{D} ~\mathsf{E} ~\mathsf{N} ~\mathsf{T} ~\mathsf{I} ~\mathsf{A} ~\mathsf{L}$

ENGINE MINI PACK

Engine Model:	CF6-80E1A4
Engine Serial Number:	811207
Total Time Since New:	58,555
Total Cycles Since New:	8,419
Total Time Since Last Shop Visit:	12,130
Total Cycles Since Last Shop Visit:	1,753
Last Operator:	AIR CALIN
Audit By:	Chris Evans
Date:	July 29, 2021

ENGINE SERIAL NUMBER:	811207
Model Type:	CF6-80E1A4
ENGINE TT:	58,555.38
ENGINE TC:	8,419
TSLSV:	12,130.03
CSLSV:	1,753
LAST OPERATOR:	Aircalin
DATE:	3/13/2020

	PART	SERIAL	TSN	CSN	CYCLE USAGE	MANUAL CYCLE LIMIT	CYCLE REMAINING
NOMENCLATURE	NUMBER	NUMBER	ISM	Con	E1A4	E1A4	E1A4
FAN ROTOR	రి. జి. జి. జి. జి. జి. జి. జి.		i ka ka ka	, T., T., T.,	Ver Ser Ser Ser 7		
FAN ROTOR DISK (STG 1)	1669M75P08	LA095224	58555.38	8,419	8,419	20,000	11,581
FAN FORWARD SHAFT	1855M52G01	TMTMA074	58555.38	8,419	8,419	20,000	11,581
FAN ROTOR SPOOL (STG 2-5)	1782M10G02	VOLJ0100	35705.38	5,088	5,088	20,000	14,912
HPC ROTOR						* * <u>* * 10 11</u>	<u>) 18: 19: 19: 18: 18</u>
HPC STG 1 DISK	1644M21P04	BB806401	58555.38	8,419	8,419	20,000	11,581
HPC STG 2 DISK	9380M27P08	BB758234	58555.38	8,419	8,419	20,000	11,581
HPC 3-9 SPOOL	1856M15G02	VOLB7314	58555,38	8,419	8,419	20,000	11,581
HPC 10-14 STG SPOOL	1703M49G04	GWN05864	58555.38	8,419	8,419	20,000	11,581
No.4 BRG. SEAL (CDP)	1669M73P02	NCE6357N	58555.38	8,419	8,419	20,000	11,581
HPT ROTOR					12	. The the Same Street Street	Bern Beine Bern Bern Billion
HPT STAGE 1 DISK	1863M36G06	GWN04TRP	58555.38	8,419	8,419	15,000	6,581
HPT STAGE 2 DISK	1778M72P05	MUNBF203	58555.38	8,419	8,419	15,000	6,581
ROTATING INTER STG SEAL	1778M69P05	MUNCP624	35705.38	5,088	5,088	15,000	9,912
FWD OUTER SEAL	1778M70P03	NCE8617P	58555.38	8,419	8,419	15,000	6,581
LPT ROTOR						- 「「「「「」」「「「」」」「「」」「「」」「「」」「「」」」「「」」「」「」」「」」「」」「」」「」」「」」「」」「」」」「」」「」」」「」」」「」」」「」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」「」」」」	
LPT ROTOR SHAFT	1778M39P08	RPM55FFF	58555.38	8,419	8,419	15,000	6,581
LPT STG 1 DISK	1639M11P03	FIAALHGM	58555,38	8,419	8,419	20,000	11,581
LPT STG 2 DISK	1639M12P03	FIAALJ6J	58555,38	8,419	8,419	20,000	11,581
LPT STG 3 DISK	1639M13P03	FIAALPAN	58555.38	8,419	8,419	20,000	11,581
LPT STG 4 DISK	1639M14P02	FIAALG09	58555.38	8,419	8,419	20,000	11,581
LPT STG 5 DISK	1639M15P03	FIAALG97	58555,38	8,419	8,419	20,000	11,581
LPT CONE TORQUE-SHAFT	1639M20P08	BB819300	58555.38	8,419	8,419	20,000	11,581
BOLT SHOULDER	1304M26P05	MAU53540	12130.03	1,753	1,753	22,400	20,647
BOLT SHOULDER	1304M26P05	MAU53615	12130.03	1,753	1,753	22,400	20,647
BOLT SHOULDER	1304M26P05	RTN00651	58555,38	8,419	8,419	22,400	13,981

Note: The above data has been compiled from the records provided to GA Telesis by last operator / owner. The responsibility for the accuracy and use of this information at all times remains solely with the install of these parts. Any minor difference in hours is due to rounding unless otherwise noted. To the best of our knowledge this data is true and correct.

PREPARED BY:

GA Telesis, LLC

31-Mar-20

1 OF 70

1. Approving C		2.				3. Form Tracking Number:			
Authority/	Country:		ORIZED RELI FAA Form 8130-3, AIRWOR			W/O: PA21102WA			
Precise Avia	Name and Address: tion, LLC. ST Miami, Florida	33166 F A	AA CRS # P5AR253J	A	PRECISE AVIATION	5. Work Order/Contract/Invoice Number: W/O: PA21102WA/ RO: 47491			
6. Item:	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:			
1	ENGINE - GENERAL	LELECTRIC.	CF6-80E1	1	811207	REPAIRED			
GENERAL ELEC - Accomplished P 13/Jul/2022 - See Precise Avia - This release cert - Operator respon - Documents on ff "Certifies that the Number:"EASA.14: 13a. Certifies th	 12. Remarks: GENERAL ELECTRIC CF6-80E1, Serial No. 811207 has received the following limited work scope below: - Accomplished Preservation 30-365 Days- Operable engine installed in the shipping stand as per CF6-80E1 Engine Manual Subtask 72-00-00-570-058, Rev. 49, Dated Sep.15, 2020 - Next due date 13/Jul/2022 See Precise Aviation carry over sheet prior to releasing engine into service. - This release certifies only the work requested by the customer. All open AD's, SB's and carry over items are the customer's responsibility. - Operator responsible for performing all tasks associated with the maintenance accomplished as per applicable AMM prior to releasing engine to service. - Documents on file under Precise Aviation LLC. Work Order PA21102WA. "Certifies that the work specified in blocks 11/12 was carried out in accordance with EASA Part-145 and with respect to that work the engine is considered ready for release to service under EASA Acceptable Certificate Number:"EASA.145.5310". 13a. Certifies the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and are in a condition for safe operation. Approved design data and								
				service.		at work, the items are approved for return to			
13b. Authorized	Signature:	13c. Approval	l/Authorization No.:	14b. Authorized Si	gnature:	14c. Approval/Certificate No.: P5AR253J			
13d. Name (Typ	ed or Printed):	13e. Date: (dd	l/mmm/yyyy):	14d. Name (Typed Abrahan	or Printed): n Espinoza	14e. Date (dd/mmm/yyyy): 13/Jul/2021			
				taller Responsibilities					
Where the user/in Block 1, it is essen Statements in Blo	staller performs work in acc ntial that the user/installer en	cordance with the nations of the second seco		ness authority different th craft engine(s)/propeller(s	an the airworthiness author)/article(s) from the airwor				



	ing Civil Aviation hority/Country:	2.				3. Form Tracking Number:				
	A/United States	21-XTR-010								
4. Organiz	zation Name and Address		FAA Form 8130–3, AIRW(. CRS #4XAR847C 4900 NW42nd Ave. F			5. Work Order/Contract/Invoice				
	Xtrem	Number: 007793								
6. Item:	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:				
1	ENGINE		CF6-80E1A4	1	811207	REPAIRED				
ENGIN "REMO UNTES -TOTA ENGIN ENGIN "Xtrem and wit	 12. Remarks: ENGINE RECEIVED LIMITED SCOPE OF WORK AS FOLLOWS: "REMOVED AND REPLACED ACCESSORY GEARBOX IDG DRIVE PAD CARBON SEAL AND RING ASSY AS PER A330 AMM 7265-41-00-801-A REV 3 DATED 01-JAN-2021" UNTESTED ENGINE: COMPLETE XTREME AVIATION WO 007793 CARRY FORWARD SHEET PRIOR TO RELEASING ENGINE INTO SERVICE -TOTAL TIME AND CYCLES VERIFIED PER CUSTOMER PROVIDED DOCUMENTS: ENGINE TOTAL TIME: 58,555.38 ENGINE TOTAL TIME: 58,555.38 ENGINE TOTAL CYCLES: 8419 "Xtreme Aviation, LLC. certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and with respect to that work the component is considered ready to release to service under EASA Part-145 Approval Number: "EASA.145.6734" 13a. Certifies the items identified above were manufactured in conformity to: 									
11 No. 12	Approved design data and Non-approved design data			Federal	cribed in Block 12 was accomplished in ac Regulations, part 43 and in respect to that o service.					
13b. Autho	orized Signature:	\times	13c. Approval/Authorization No.:	14b. Author	zed Signature: Vantav	14c. Approval/Certificate No.: 4XAR847C				
124 N	(True Drinket)									
130. Name	(Typed or Printed):		13e. Date (dd/mmai/yyyy):	14d. Name (Fyped or Printed):	14e. Date (dd/mmm/yyyy):				
/				_	JUAN PANTOJA	29/JAN/2021				
			User/Installe	r Responsibili	ties					
It is import	tant to understand that th	e existence of th	is document alone does not automaticall	y constitute autho	rity to install the aircraft engine/propeller	/article.				
Block 1, it	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 national re	in Blocks 13a and 14a do gulations by the user/insta	not constitute i Iller before the s	nstallation certification. In all cases, aire aircraft may be flown.	craft maintenance	records must contain an installation certi	fication issued in accordance with the				



14900 NW 42nd Ave, Hangar 48 Opa-Locka, FL 33054 P: (305)526-7400 F: (305) 526-7402 juan@Xtreme.Aero

August 25, 2020.

OPEN ITEMS/CARRY FORWARD STATEMENT

ESN 811207 CF6-80E1

The subject engine was inspected by Xtreme Aviation under 007793.

Below is a list of open items that require accomplishment prior return to service:

- ECU (ELECTRONIC CONTROL UNIT) REMOVED FROM ESN 811207 REQUIRES RE-INSTALLATION.
- IDG FROM ESN 811207 REQUIRES LEAK AND OPS CK DUE TO REMOVAL.
- IDG CARBON SEAL AND RING REQUIRES LEAK CK DUE TO REPLACEMENT.

Respectfully,

334555 Director of Maintenance

WORK ORDER



1. w/o #; 007793	2.Customer: GA TE	ELESIS	3.Date: 01-08-2021 6.Station: FLL	
4. A/C Model:	5. Tail Number: N/A	a de la compañía de l		
7. ENG Model: CF6-80E1	8. ENG S/N: 811207	9. LP/S:		

10.0ILS 1:		2:		3:		4:		APU: _	
11.HYD	A/Y/1		B/B/	2: _	C/G/3:	-	12.NO2:		13.0xy: _
14.LIFT T	RUCK	∖ ty: _	Hr: _	15.Eng Sta:	Ту: _	Hr: _	16.Other:	Ту: _	Hr: _

- Sau

17. DESCRIPTION

PER CUSTOMED DEOUTOT DEMONTE AND DEDU AGE EN ONE	
PER CUSTOMER REQUEST REMOVE AND REPLACE ENGINE ID	DG CARBON SEAL
- REMOVE AND ROUTE TO SHOP ENGINE ECU	

18. EMPLOYEE NAMES & HOURS

1. EDDY LOPEZ	6.	
2. JHON MOSCOSO	7.	
3.	8.	
4.	9.	
5.	10.	

19.	NAME	SIGN	ATURE	DATE		
Sup.	JUAN PANTOJA	Shoendy and The aloc		01-14-2021		
Cust.			-V			

OVERSIGNED CUSTOMER AGREES TO ALL CHARGES FOR SERVICES AND-OR PRODUCTS RENDERED.

	ing Civil Aviation	2.				3. Form Tracking Number:
Autho	ority/Country:		AUTHORIZED	RELEAS	SE CERTIFICATE	FL978-30002
FAA	United States	ESS APPROVAL TAG	1 2370-50002			
	ation Name and Address		5. Work Order/Contract/Invoice			
			Ascent Av	viation Service	es	Number:
			24641 Pinal Air Pa	ark Road Mara	ana, AZ 85653	
				r Station ERK		FL978-30002/2
ASC	ENT		•			
AVIATION	SERVICES					
6. Item:	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
1	Power Plant		CF6-80E1A4	1	811207	Inspected
12. Remark	(S:		Approval	for Return to S	Service	
Inspecte	ed Power Plant per Custo	mer provideo	ACI A330 AMM, Rev. 44, Aug. 1	7, 2019 under P	WO# FL978.	
Engine F	Power Assurance Run ac	complished (on W/O# FL978-30001 per ACI A3	330 AMM 71-00-	00-720-812-A. Report attached.	
Full Gas	Path Video Borescope II	nspection ac	complished by Third Party per AC	I A330 AMM 72-	00-00 PB 601 CONF 11 with no significant findir	ngs noted. Written report attached.
Preserve	ed Long Term (On Wing)	up to 1 year	 Operable Engine per ACI A330 	AMM Subtask 7	2-00-00-620-066-A on W/O# FL978-10011.	
Reviewe	ed LLP and AD Status as	Customer pr	ovided. Reports attached. Full Mir	ni-Pack located	at https://gatelesis.box.com/s/2944t4nqfqai72dz>	(041pkdywlv0ig9j.
Engine r	removed Boot Strap Meth	od from F-O	JSE / MSN 510 RH position under	r W/O# FL987-3	0008.	
NOTE: I	DG Garlock Seal leakin	g into IDG N	lount Cavity – IDG removed and	mounted in pl	ace / replacement Garlock Seal shipped with	engine due to lack of special tooling.
Oil Tank	k removed for shipping.	Engine req	uires operational and leak chec	ks after installa	tion per applicable Maintenance Manuals.	Tark drain alug raquiraa naw a ring
EXCEPT	TIONS: Specific to Prese	rvation due t	o parts unavallable – Upper PCB I	<u>Port drain piug o</u> oo	n HMU requires new o-ring PN: 2670890-6, Oil	rank drain plug requires new 0-ning
<u>PN: M83</u>	3248-1-912, Main Fuel IIn	e arain piug	requires new o-ring PN: CA5465-	<u>12 120 02 CSM</u>	N / CSLSV: 8,419 / 1753 Cycle Limit remaining	a: 6 581 HPT Rotor / LPT Rotor Shaft
Current	Times and Cycles as rep	orted by Cus	10mer. 15N / 15LSV. 56,555.36 /	12,150.05 051	Total 41 pages	of certification documents
0	t the second second for the late			TACA Dort 145 a	and in respect to that work the [product article] is	
Certifies that	A Part-145 Approval Num	DCK 11/12 Wa	is carried out in accordance with E	EASA Part-145 a	ind in respect to that work the [product article] is	considered ready for release to service
				tenance histor	y including total time / total cycles / time sinc	e new.
13a. Certifi			manufactured in conformity to:		14a. 14 CFR 43.9 Return to Service I Ot	her regulations specified in Block 12
				and the second that the		-
🗆 Арг	proved design data and	are in a con	ndition for safe operation.		Certifies that unless otherwise specified in Block	12, the work identified in Block 11 and
- Carlo and a statistical					described in Block 12 was accomplished in acco	rdance with Title 14, Code of Federal
	n-approved design data	specified in	Block 12.		Regulations Part 43 and in respect to that work,	the items are approved for return to
				Contraction of the second s	service.	
13b. Autho	rized Signature:		13c. Approval /Author	rization No.:	14b. Authorized Signature:	14c. Approval /Certificate No.:
					VIL III	ERKR675D
					Aickey L. elers	
13d. Name	(Typed or Printed):		13e. Date (dd/mmm/y	ууу):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
And the second of the second of the						
The second second		The search and the second			Rickey Peters	15/Jun/2020
					ith applicable technical data.	
				Installer Respo		
It is important	t to understand that the exist	tence of this d	ocument alone does not automatically	constitute authorit	ty 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.

FAA Form 8130-3 (02/14)

(Aircraft Lease Agreement (MSN 0510)



8 rue Frédéric Surleau BP 3736 98845 NOUMEA CEDEX

> Attachment 3 To Schedule 8

Date: March,14. 2020

To whom it may concern

Subject: Non-Incident/Accident Statement for Engine model CF6-80E1A4 serial number: 811207

This serves to confirm that during the operation of the subject engine and it's installed external components, we certify the following:

a) Has not been involved in; an incident or accident, major failure, tire, extreme stress, overheat, operated outside normal operation, immersion inwateror saltwateror other corrosive agents, parts were not obtained and the engine was not obtained from or used by any Military or Government Agency, or experienced any in-flight shut down.

b) Was operated with thrust rating of **66870 lbs @ 86°F at Take-Off(-A4 Rating**), and have neverexperienced any abnormal occurrences and no operating limitations have been exceeded.

c) No Non-OEM approved/Non-TCH Repairs were performed on this Engine or the installed external components.

d) No PMA parts were installed and/or incorporated on this Engine or the installed external components..

- e) Was only serviced with Mobil Jet Oil II oil during the operation.
- f) Was not operated using CIS Fuels and/or Fuel/Additives.
- g) There is no Carry forward/Open Maintenance Items on this Engine and the installed external components.

h) There is no Deferred Defects associated with this Engine and the installed external components.

i) No In-House Modifications were performed on this Engine or the installed external components.

Engine status at time of delivery to AIR CALEDONIE INTERNATIONAL: ESN: 811207

Engine Total Time: 0 Engine Total Cycles: 0 Date: Dec.13, 2002 On Aircraft: MSN 0510 - Position: 1 LH, and manufactured by GENERAL ELECTRIC at SEPTEMBER 2002.

Engine status at time of re-delivery, installed on Aircraft F-OJSE MSN:0510, Position: #2 RH

ESN: **811207** Engine Total Time: **58 555.38** Engine TSLSV: **12 130.03**

Engine Total Cycles: **8419** Engine CSLSVN: **1753** Date: March,13. 2020

VP Safety & Compliance (Name)

VP Maintenance & Engineering (Name)

TEISSMALE FABLICE



SCHEDULE 8 Page 9

Cl IICAG0/#3149480.13



811207

 TSN
 CSN
 TSLSV / CSLSV

 58555
 8419
 12130 / 1753

denie UPDATED 13 March 2020

Nomenclature	Part Serial	Part Number	Part IIN	Part TSN	Part CSN	Current Part Cycle Limit @	Part Cycles
	Number			the first state of the second state of the sec		A4 rating	Remaining
FAN ROTOR							
FAN ROTOR DISC (STG 1)	LA095224	1669M75P08	211	58555	8419	20000	11 581
FAN FORWARD SHAFT	TMTMA074	1855M52G01	217	58555	8419	20000	11 581
FAN ROTOR SPOOL (STG 2-5)	VOLJ0100	1782M10G02	21S	35705	5088	20000	14 912
COMPRESSOR ROTOR							
DISK-STG 1 HPCR	BB806401	1644M21P04	311	58555	8419	20000	11 581
DISK-STG 2 HPCR	BB758234	9380M27P08	312	58555	8419	20000	11 581
SPOOL-STG 3-9 HPCR	VOLB7314	1856M15G02	313	58555	8419	20000	11 581
SPOOL SHAFT, 10-14	GWN05864	1703M49G04	316	58555	8419	20000	11 581
SEAL, ROTATING-CDP	NCE6357N	1669M73P02	31T	58555	8419	20000	11 581
HIGH PRESSURE TURBINE							
DISK-STG 1 HPTR	GWN04TRP	1863M36G06	531	58555	8419	15000	6 581
DISK-STG 2 HPTR	MUNBF203	1778M72P05	532	58555	8419	15000	6 581
ROTATING INTER-STAGE SEAL	MUNCP624	1778M69P05	535	35705	5088	15000	9 912
FOWARD OUTER SEAL	NCE8617P	1778M70P03	538	58555	8419	15000	6 581
LOW PRESSURE TURBINE ROTOR							
LPT ROTOR SHAFT	RPM55FFF	1778M39P08	241	58555	8419	15000	6 581
DISK-STG 1 LPTR	FIAALHGM	1639M11P03	57A	58555	8419	20000	11 581
DISK-STG 2 LPTR	FIAALJ6J	1639M12P03	57B	58555	8419	20000	11 581
DISK-STG 3 LPTR	FIAALPAN	1639M13P03	57C	58555	8419	20000	11 581
DISK-STG 4 LPTR	FIAALG09	1639M14P02	57D	58555	8419	20000	11 581
DISK-STG 5 LPTR	FIAALG97	1639M15P03	57E	58555	8419	20000	11 581
SHAFT-TORQUE CONE	BB819300	1639M20P08	57J	58555	8419	20000	11 581
FWD ENGINE MOUNT							en e
BOLT SHOULDER	RTN00651	1304M26P05		58555	8419	22400	13 981
BOLT SHOULDER	MAU53540	1304M26P05		12130	1753	22400	20 647
BOLT SHOULDER	MAU53615	1304M26P05		12130	1753	22400	20 647

Note: LLP SHAFT P/N CHANGED FROM P04 TO P08 DUE TO COMPLIANCE OF SB 72-0262

Prepared by:

P,BROCHOT Engineering Power Plant & APU Deputy Engineering Office Manager



Nouvelie-Calédonie

WARNING: The following report has to be considered as a working document so that information included have to be checked by the Airline prior to any use as an official document. In no case, the responsability of IFR France could be involved if false data would be passed on to Civil Aviation Authorities.

PN: CF6-80E1A4

SN: 811207

REPORT DATED ON: MARCH 13, 2020

TSN: 58 555.38

CSN: 8419

Prepared by: Philippe brochot Deputy Engineering Office Manager

BRO 01

& Aircalin	EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS											
Report Issue 17 A/C Registration :	4332 7 /03/20)20 JSE	Airborne Ho 23 317,97 HAPU 17 808,		68 286,30FH PU	9 939,00 CY						
Document Number Linked Document	Rev.	a Ricell	P/N S/N Title	Status	Interval. Thresh	old Limit Which- ever Is later	ormance Next Due Remaining					
2000-16-12	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPCR STAGE 3-9 SPOOLS CRACKING AND SEPARATION.EDDY CURRENT AND ULTRASONIC INSPECTION Replaced by AD 2002-25-08 Rev 00 Item 00	SUP								
2002-01-04	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPT STAGE 2 NOZZLE INSPECTION Replaced by AD 2004-09-34 Rev 00 Item 00	SUP								
2002-06-07	00	02	CF6-80E1A4 811207 BASIC ENGINE CF6 THRUST REVERSER - DIRECTIONAL PILOT VALVE (DPV) PRESSURE CHECK #### ENGINE #### FOLLOWED THRU A/C AD 2002-06-07 ITEM 00 AND 01.	N/A	7 000 FH							



& Aircalin	EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS										
A/C Serial Nbr : 000510 A/C Type : A332 Report Issue : 17/03/2020 A/C Registration : F-OJSE Last Tech Log : 13/03/2024			E				9 939,00 CY				
Document Number Linked Document	Røv.	ltem	P/N S/N Title	Status	Interval.	Threshold	Limit Which- over is later	Last Performance	Next Due	Remainin	
2002-07-12	00	00	CF6-80E1A4811207BASIC ENGINE CF6CRITICAL LLP'S MANDATORY INSPECTIONMANUFACTURER'S LIFE LIMITS SECTION UPDATEDINSPECTION AT PIECE-PART OPPORTUNITYReplaced by AD 2009-04-10Rev 00 Item 00	SUP				15/06/2002 INIT			
2002-10-04	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 LOW PRESSURE TURBINE ROTOR (LPTR) LOW CYCLE FATIGUE AND CRACKING NOT APPLICABLE PER ENGINE MODEL AND PER PART NUMBER INSTALLED (1778M39P08)	N/A							
2002-10-08	00	02	CF6-80E1A4 811207 BASIC ENGINE CF6 THRUST REVERSER - IMPROVED DOUBLE P-SEAL CONFIGURATION ### ENGINE ### FOLLOWED THRU A/C AD IAW ITEM 00 & 01.	N/A	7 000 FH						
		4									



& Aircəlin	EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS											
A/C Serial Nbr : 000510 Airborne Hours : 68 286,30FH 9 939,00 CY A/C Type : A332 23 317,97 HAPU 17 808,00 CAPU Report Issue : 17/03/2020												
ocument Number Linked Document	Rev. Item	P/N S/N Title	Status	Interval. Threshold	Limit Which- ever Is later	Last Performance	Next Due	Remainir				
2002-25-08	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPCR STAGE 3-9 SPOOLS EDDY CURRENT AND ULTRASONIC INSPECTION NOT APPLICABLE PER P/N INSTALLED (1856M15G02).	N/A									
2003-20-07	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 FPI-FORWARD ENGINE MOUNT PLATFORM NOT APPLICABLE PER PN INSTALLED (1843M82G01) AND ENGINE MODEL (CF6-80E1A2 ONLY)	N/A									
2003-26-11	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 ENGINES - ENGINE FORWARD MOUNT LOADS REDUCE THE PYLON ATTACHMENT BOLT TORQUE COMPLIED WITH-AMM UPDATED NEW TORQUE APPLIE	CPW D			4 897 FH 719 CY 28/07/2004 EC INIT						



A/C Serial Nbr :	39,00 CY	,								
	A332 7/03/2 F-O 13/03/	JSE		08,00 CAI	50					
ocument Number Linked Document	Rev	item	P/N S/N Title	Status	interval. Threshol	d Limit	Which- ever is later	Last Performance	Next Due	Remaini
2003-26-11	00	01	CF6-80E1A4 811207 BASIC ENGINE CF6 ENGINES - ENGINE FORWARD MOUNT LOADS REMOVE AND REPLACE LEFT VERTICAL BOLTS BOLT PN 1304M26P05 INSTALLED DURING THE MANUFACTURE POST SB72-0214R01 STD INSTALLED	FAC				17/09/2002 INIT		
2004-04-07	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 STAGE 1 HPT ROTOR DISK STAGE 1 SUPERSEDED BY AD 2006-16-06 Replaced by AD 2006-16-06 Rev 00 Item 0	SUP 20						
2004-09-34	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPT STAGE 2 NOZZLE INSPECTION NOT APPLICABLE PER P/N INSTALLED: 2086M62G09; 2099M26G13 & 2086M62G10	N/A						
		· · · · · ·								



Report Issue : 1 A/C Registration :	4332	23 317,97 HAPU 17 808,	Airborne Hours : 68 286,30FH 23 317,97 HAPU 17 808,00 CAPU		9 939,00 CY		
ocument Number Linked Document	Rev. Hem	P/N S/N Title	Status Inte	erval. Threshold	Limit Which- 1 ever is later	ast Performance Next Due	Remain
2005-10-16	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 FUEL AND CONTROL-ELECTRONIC CONTROL UNIT E.1.N (E19A) SOFTWARE APPLICABLE ESN 811207 Replaced by AD 2007-17-01 Rev 00 Item 00	SUP			9 020 FH 1 328 CY 10/06/2005 INIT	
2005-17-05	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPCR ROTOR STAGE 11-14 SPOOL SHAFT INSPECTION NOT APPLICABLE PER P/N INSTALLED 1703M49G04	N/A				
2005-22-12	00 01	CF6-80E1A4 811207 BASIC ENGINE CF6 ENGINE - TRAS LOCK FLEXIBLE INSPECTION AFTER ALL ABORTED TAKEOFFS ### ENGINE ### FOLLOWED THRU A/C AD ITEM 00.	N/A				



& Aircalin	EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS											
	A332 17/03/2 0)20 JSE	23 317,97 HAPU 17 80	Airborne Hours : 68 286,30FH 23 317,97 HAPU 17 808,00 CAPU								
Document Number Linked Document	Rev.	the second second	P/N S/N Title	Status	interval. Th	reshold Limit	Which- Last Performance ever is later	Next Due	Remaining			
2005-23-09	00	00	CF6-B0E1A4 811207 BASIC ENGINE CF6 ENGINE-MANDATORY FPY INSPECTION HPC CASE PN:1509M97G07 AND 2083M69G03 INCLUDED IN ALS, CHAPTER 05-21-02 NOT APPLICABLE PER PN INSTALLED 1509M97G05	N/A	3 700CY							
2006-16-06	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 GE- STAGE 1 HPT ROTOR DISK STAGE 1 PN:1639M41F FOR CF6-80E1A4 NOT APPLICABLE PER P/N INSTALLED 1863M36G06.	P04								
2007-11-20	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 FUEL MANIFOLD-SHROUD RETAINING RINGS AND SNAP RINGS REPLACEMENT COMPLIED WITH ON 27 FEBRUARY 2009 IAW SB73-0075R1	CPW			22 850 FH 3 331 CY 27/02/2009 S/V INIT					
андар (р. у., с. с. т. с.		· · · · · · · · · · · · · · · · · · ·										

Prepared by: Philippe brochot Deputy Engineering Office Manager



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& Aircalin			EQUIPMENT AII	RWORTH	lines	S DIR	ECTIV	E ST	ATUS		
A/C Serial Nbr : A/C Type : Report Issue : A/C Registration : Last Tech Log :	A332 17/03/20)20 JSE	23 317,97 HAPU 1	orne Hours : 7 808,00 CAF	68 286, יU	,30FH	9 93	9,00 CY			
Document Number Linked Document	Rev.	ltem	P/N S/N Title	Status	Interval.	Threshold	Limit	Which- ever is later	Last Performance	Next Due	Remaining
2007-11-20	00	01	CF6-80E1A4 811207 BASIC ENGINE CF6 FUEL MANIFOLD-SHROUD RETAINING RINGS AND SNAP RINGS REPLACEMENT NOT APPLICABLE TO NEW FUEL MANIFOLD PN: 2636M06G01 & 2636M07G01 POST SB73-0127 - PERFORMED DURING EGAT SH 2016								
2007-17-01	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 CF6-80E1-ECU SOFTWARE REMOVAL. INSTALL NEW SOFTWARE VERSION E.1.0 APPLICABLE ESN 811207 SOFTWARE VERSION E. LOADED ON ECU SERIAL NUMBER EMDN9240	СРW 1.0					17 130 FH 2 507 CY 13/07/2007 INIT		
2007-18-10	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 COMPRESSOR REAR FRAME INSPECTION PN:1520M26GXX (ASSY PN:1519M85G16) APPLICABLE PER PN INSTALLED -INSPECTION PERFORMED DURING SHOP EGAT 2016	REP	6 300CY				46 425 FH 6 666 CY 26/07/2016 BT 01999977	12 966 CY	4 547 CY

Prepared by: Philippe brochot Deputy Engineering Office Manager



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Aircalin	EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS										
A/C Serial Nbr : A/C Type : Report Issue : A/C Registration : Last Tech Log :	A332 17/03/2020	23 317,97 HAPU	oorne Hours : 17 808,00 CAP	68 286,30FH U	9 939,00 CY						
Document Number	Rev. Item	P/N S/N Title	Status	Interval. Threshold	Limit Which- ever Is later	Next Due Remain					
2008-21-11	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 LPT SKIN DOUBLERS AND DEFLECTORS INSTAL MODIFIED LPT CASE INSTALLED DURING SHOP I 2016 INSTALLED PN: 2083M98G03 SN: VOLB6552			46 425 FH 6 666 CY 26/07/2016 BT 01999985						
2009-04-10	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 CRITICAL LLP'S MANDATORY INSPECTION PERFORM INSPECTIONS AT EACH PIECE-PART OPPORTUNITY IAW INSTRUCTIONS PROVIDED IN APPLICABLE MANUAL. REFER AD FOR ALL LLP'S EFFECTED. 1/ ENGINE MANUAL UPDATED. 2/ REFER AD AND SHOP VISIT FOR ALL LLP'S EFF & INSPECTION C/OUT.	FECTED	S/V	46 425 FH 6 666 CY 16/07/2016	S/V					



EQUIPMENT AIRWORTHINESS DIRECTIVE STATUS											
A/C Serial Nbr : 000510 A/C Type : A332 Report Issue : 17/03/2020 A/C Registration : F-OJS Last Tech Log : 13/03/2020			23 317,97 HAPU	Airborne Hours : 68 286,30FH 17 808,00 CAPU		30FH	9 939,00 CY				
Document Number Linked Document	Rev.	Constant on	P/N S/N Title		Status	Interval.	Threshold	Limit Which- ever is later	Last Performance	Next Due	Remaining
2009-05-02	00	4 4 4 4 4 4 4 4 4 4 4 4 4	CF6-80E1A4 811207 BASIC ENGINE CF6 ENGINE FUEL AND CONTROL - (72-00-02) - FUEL MANIFOLD INSPECTION AND CLAMP REPLACEMENT APPLICABLE ON ESN 811207. Replaced by AD 2014-21-01 Rev 00	Item 00	SUP	7 500 FH			36 431 FH 5 257 CY 06/08/2013 ANC INIT		
2009-07-03	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPCR-SPOOL SHAFT STAGE 14 DISK. ONE TIME INSPECTION ECI NOT APPLICABLE SPOOL SHAFT PN 1703M49G FITTED	604	N/A						
2014-21-01	00	00	CF6-80E1A4 811207 BASIC ENGINE CF6 FUEL MANIFOLD INSPECTION / REMOVAL N/A FUEL MANIFOLD PN: 2636M07G01 & PN: 26 INSTALLED ON ESN: 811207	36M06G01	TER	7 500 FH			46 425 FH 6 666 CY 26/07/2016 BT 01997784		

Prepared by: Philippe brochot Deputy Engineering Office Manager



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A/C Serial Nbr : A/C Type : Report Issue : A/C Registration : Last Tech Log :	A332 17/03/2020		Airborne Hours : 17 808,00 CAPU	68 286,30FH	9 939,00 CY	
Last Tech Log .		P/N S/N	Status	interval. Threshold	Limit Which- ever Is later	Due Remaini
2016-06-14	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 ROTATING COMPRESSOR DISCHARGE PH (CDP) SEALS SERRATIONS COATING REF PN: 1669MT3P02 SN: NCE6357N INSTALLE ESN: 811207. INSPECTION PERFORMED D EGAT SHOP 2016	LACEMENT.		46 425 FH 6 666 CY 26/07/2016 BT 01999978	
2016-08-10	00 00	CF6-80E1A4811207BASIC ENGINE CF6ACCESSORY HEAT SHIELD ASSEMBLY - FRACCESORY SHIELD ASSY FOR TBC PROTIMPROVEMENTPERFORMED ON ESN 811207 DURING SHHEAT SHIELD ASSY PN: 2628M55G01 INSTESN: 811207	ECTION OP EGAT 2016.		46 425 FH 6 666 CY 26/07/2016 BT 01999992	
19-24-14	00 00	CF6-80E1A4 811207 BASIC ENGINE CF6 HPTR STAGE 2 DISKS AND IMPELLER SP4 LOW CYCLE FATIGUE (LCF) AND CRACKII NOT APPLICABLE PER ENGINE MODEL & - STG DISK (1778M72P05) AND R88DT FITTED	IG. PN INSTALLED			



Aircalin		EQUIPME	NT AIRWO	ORTHIN	IESS DIRI	ECTIVE ST	ATUS		
	2	23 317,97 HAPL	Airborne Ho 17 808,0	urs : 00 CAPU	68 286,30FH	9 939,00 CY			
		PIN S/N Title		-Status Int	erval. Threshold	Limit Which-	Last Performance	e Next Due	Remaining
9-24-15		CF6-80E1A4 811207 BASIC ENGINE CF6 HPCR STAGE 3-9 SPOOLS CRACKING SEPARATION.EDDY CURRENT AND UL INSPECTION SUPERSEDED BY AD 2000-16-12 Replaced by AD 2002-25-08		N/A					





ENGINEERING & MAINTENANCE DEPT.

Tel: (687) 35 12 72 E-mail: philippe.brochot@aircalin.nc

Ref: BT-2020-25-03-03

Dated: 25.March 2020

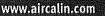
Subject. Statement of Engine Power Thrust Rating.

TO WHOM IT MAY CONCERN

This statement is to certify the followings,

AIRCALIN hereby confirms that the engine Model : CF6-80E1A4 ESN: 811207 has been used at thrust rating "A4" only since manufacture in Air Calédonie International fleet.

With Best Regards, Philippe.Brochot Engineering Power Plant & APU. Deputy Engineering Office Manager





ENGINEERING & MAINTENANCE DEPT.

Tel: (687) 35 12 72 E-mail: philippe.brochot@aircalin.nc

Ref: BT-2020-25-03-05

Dated: 25.March 2020

Subject. Statement of engine oils used.

TO WHOM IT MAY CONCERN

This statement is to certify the followings,

AIRCALIN hereby confirms that Oil Mobil Jet Oil II approved MIL-PRF-23699-STD has been used on engine Model : CF6-80E1A4 ESN: 811207 since manufacture.

With Best Regards, Philippe.Brochot Engineering Power Plant & APU. Deputy Engineering Office Manager

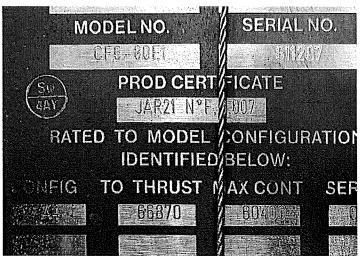


Service Aero Solutions, LLC

37731 S. Cactus Garden Way, Marana, Arizona, 85658 USA (TEL)+1.520.465.7706 Specializing Worldwide in Borescope Inspections and Boreblend Repairs

FOR: GA Telesis, LLC. 1850 NW 49th St., Fort Lauderdale, FL 33309, USA

ESN:	811207	POSITION:	RH	ENG TY	PE:	CF6-	80E1A4		DATE:	17 April 2020
A/C MODEL:	A330-200	A/C MSN:	510	REG.#	F-OJ	SE	REASO	N:	CONDITI	ONAL INSPECTION
JOB SITE:	Ascent Aviation, Marana, Arizona, USA					WORK ORDER:			D-04-20-	1575



Exterior Inspection

No significant discrepancies noted during cursory walkaround inspection.

Compressor Cases

No significant discrepancies noted during cursory walkaround inspection.

Accessory Drive Gearbox

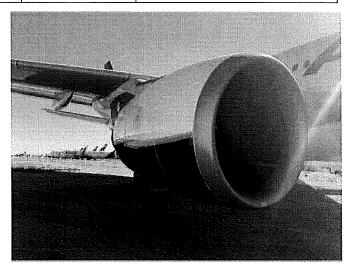
No significant discrepancies noted during cursory walkaround inspection.

Exhaust Cases

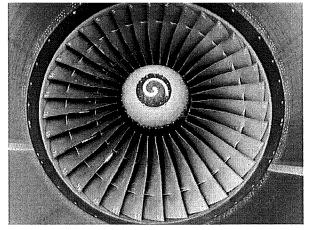
No significant discrepancies noted during cursory walkaround inspection.

Exhaust Cone

No significant discrepancies noted during cursory walkaround inspection.







LOW PRESSURE COMPRESSOR BSI

w Pressure Stage:	Comments
LPC Fan	No significant discrepancies noted. Some
Inspected:	leading edge erosion observed.
Yes	
Serviceable:	
Yes	

LPC Stage 2 No significant discrepancies noted. Leading edge erosion and atmospheric buildup observed. Inspected: Yes Serviceable: Yes
Yes Serviceable:
Serviceable:
Yes

LPC Stage 5 No significant discrepancies noted at this time Inspected: Yes Serviceable: Yes
Yes Serviceable:
Serviceable:
Yes

HPC PRESSURE COMPRESSOR BSI

High Pressure Stage:	Comments	HPC 1 (36)	
HPC Stage 1	Some minor leading edge impacts observed that	(MTD = 0 549°)	4GU BLU
Inspected:	were measured and verified to be within AMM limits. ACCEPT Per A330 AMM Chap. 72-00-00		
Yes	Pg. 49 attached for reference.		F000*
Serviceable:			
Yes			
		B11207	

ESN 811207

High Pressure Stage:	Comments	HPC 2 (26)	
HPC Stage 2	No significant discrepancies noted at this time.	Company Salar	
Inspected:		7	
Yes			
Serviceable:			
Yes			
		(1170)	

High Pressure Stage:	Comments	HPC 3 (42)		
HPC Stage 3	Some leading edge erosion and environmental			
Inspected:	Some leading edge erosion and environmental buildup observed. No significant discrepancies noted at this time.			
Yes				
Serviceable:				
Yes				
		(ant20)		
		Ea Charles I and A		

High Pressure Stage:	Comments	11PC 4 (46)	
HPC Stage 4	No significant discrepancies noted at this time.		
Inspected:	No significant discrepancies noted at this time. Some atmospheric deposit observed.		
Yes			
Serviceable:			
Yes			
		811207)	

High Pressure Stage:	Comments	HPC 5 (48)	
HPC Stage 5	No significant discrepancies noted at this time.		No. W/
Inspected:	No significant discrepancies noted at this time. Some atmospheric deposit observed.		
Yes			Star 1
Serviceable:		provide the second	
Yes			
		811207	

ESN 811207

High Pressure Stage:	Comments	HPC 6 (54)		
HPC Stage 6	Some minor leading edge impacts observed that were measured and verified to be within AMM limits. ACCEPT Per A330 AMM Chap. 72-00-00 Pg. 49 attached for reference.	(MTD = 0.659°) 4GU		
Inspected:		1.0011* 4.0275*		
Yes				
Serviceable:				
Yes				
		A11207		

High Pressure Stage:	Comments	HPC 7 (56)
HPC Stage 7	Some minor leading edge impacts observed that	MID = 1372
Inspected:	were measured and verified to be within AMM limits. ACCEPT Per A330 AMM Chap. 72-00-00	
Yes	Pg. 49 attached for reference.	1-0027* -0272*
Serviceable:		₩7 1 - 4 -92724
Yes		
		111267
		Res Line Providence

High Pressure Stage:	Comments	Inverto)
HPC Stage 8	No significant discrepancies noted at this time.	
Inspected:		
Yes		
Serviceable:		
Yes		
		(B11207)

High Pressure Stage:	Comments	HPC 9 (66)	
HPC Stage 9	Some minor leading edge impacts observed that	(MTD + 0.775*)	ία 460 βιυ
Inspected:	were measured and verified to be within AMM limits, ACCEPT Per A330 AMM Chap, 72-00-00		LOCIOT ODDS
Yes	Pg. 49 attached for reference.		9
Serviceable:			
Yes			
		(111207)	
		0.00	

ESN 811207

High Pressure Stage:	Comments	HPC 10 (76)
HPC Stage 10	Some minor leading edge impacts observed that	
Inspected:	were measured and verified to be within AMM limits, ACCEPT Per A330 AMM Chap. 72-00-00	
Yes	Pg. 49 attached for reference.	
Serviceable:		
Yes		
		811207

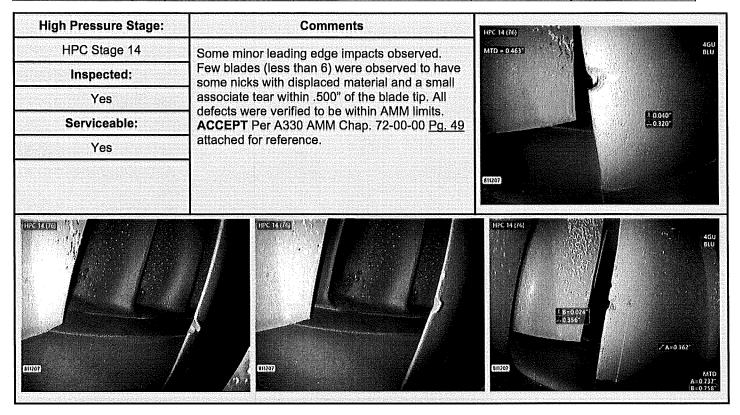
High Pressure Stage:	Comments	HPC 11 (76)	() (
HPC Stage 11	Some minor leading edge impacts observed that	MTD = 0.750"	1	4GU BLU
Inspected:	were measured and verified to be within AMM limits. ACCEPT Per A330 AMM Chap. 72-00-00	• [•]	³⁴⁻³ 4	
Yes	Pg. 49 attached for reference.			
Serviceable:				124
Yes				
		811207		

High Pressure Stage;	Comments	HPC 12 (76)
HPC Stage 12	No significant discrepancies noted at this time. Some previous shop blends observed.	
Inspected:	Some previous shop blends observed.	
Yes		
Serviceable:		
Yes		

Comments	HPC 13 (76)
Some minor leading edge impacts observed that	MTD = 0.7472
Pg. 49 attached for reference.	L0022*
	i 0.652*) (32)
	(811267)
	Some minor leading edge impacts observed that were measured and verified to be within AMM limits, ACCEPT Per A330 AMM Chap. 72-00-00

ESN 811207

17 April 2020



COMBUSTOR BSI

Combustor:	Comments	COMBUSTOR
Bulkhead, Deflectors and Fuel Nozzles	Some light surface and coating erosion observed	
Inspected:	to splash plate and dome area. ACCEPT Per A330 AMM Chap. 72-00-00 <u>Pg. 70</u> attached for	
Yes	reference.	
Serviceable:		
Yes		and the second of the
		COMBUSIOR DITEOT

ESN 811207

17 April 2020

Combustor:	Comments	COMBUSTION
Inner and Outer Liners	Some light surface discoloration observed.	0 0 0 0 0
Inspected:	ACCEPT Per A330 AMM Chap. 72-00-00 Pg. 71 attached for reference.	
Yes		
Serviceable:		
Yes		
		E11207

HIGH PRESSURE TURBINE STAGE 1 BSI

High Pressure Turbine:	Comments	HPTTKGV
HPT1 NGV	Several vanes observed with tight leading edge	
Inspected:	cracks, concave side radial cracks, convex cracking and burning, and trailing edge burns.	
Yes	Some cracking observed to the platforms that	
Serviceable:	has no associated missing material. All findings were verified to be within AMM limits. ACCEPT	A CONTRACTOR OF THE STATE
Yes	Per A330 AMM Chap. 72-00-00 <u>Pg. 215, Pg.</u> 216, and <u>Pg. 217</u> attached for reference.	A State of the second
HPE TNGY	HPE I NSV	
(1170)	51727 111277	611201

High Pressure Turbine:	Comments
HPT1 Blades	Several blades observed with TBC (Thermal Barrier Coating) loss and erosion. ACCEPT Per
Inspected:	A330 AMM Chap. 72-00-00 Pg. 93 attached for reference.
Yes	
Serviceable:	
Yes	
	the second s
	611207

ESN 811207

17 April 2020

High Pressure Turbine:	Comments	HPT 1 SHROUDS
HPT1 Shrouds	Numerous axial cracks observed on several	· · · · ·
Inspected:	shrouds. This condition is acceptable in any amount. ACCEPT Per A330 AMM Chap. 72-00-	1
Yes	00 Pg. 217 attached for reference.	1
Serviceable:		2 - Alton
Yes		
		E11207
		5.5

HIGH PRESSURE TURBINE STAGE 2 BSI

High Pressure Turbine:		HPT 2 X/GV
HPT2 NGV's	Numerous vanes observed with TBC (Thermal	
Inspected:	Barrier Coating) erosion. Some tight cracks observed along the platform mating faces. Some	
Yes	cracks were observed around the borescope	
Serviceable:	 port. These cracks are considered to be outer platform cracks between the vanes. All of these 	
Yes	cracks measured less than .150" in length and are therefore acceptable in any number. ACCEPT Per A330 AMM Chap. 72-00-00 Pg. 219 attached for reference.	A11707
		HPT J KGV MTD = 0.3247 C0.359 Elizoz

High Pressure Turbine:	Comments
HPT2 Blades	No significant discrepancies noted. Some previous tip repairs and surface stains observed.
Inspected:	HOT 2
Yes	
Serviceable:	
Yes	

ESN 811207

17 April 2020

ligh Pressure Turbine:	Comments
HPT2 Shrouds	Some light surface rub observed. No significant
Inspected:	discrepancies noted at this time.
Yes	
Serviceable:	
Yes	

LOW PRESSURE TURBINE BSI

Low Pressure Turbine:		Comments	
LPT Stage 1 NGV	Numerous vanes observed with tight coating/ craze cracks on the platform and near the		
Inspected:	leading edge fillet radius. No	significant defects or parent materi	al damage observed.
Yes	[P]])	IPT I	
Serviceable:			HARACLE PARTY
Yes			
	<u>811207</u>	611207	

Low Pressure Turbine:	Comments	
LPT Stage 1 Blades	Some coating discoloration observed. Some rubs	
Inspected:	observed to the top surface of the seal lip. All rubbed areas were less than 50% of their	
Yes	respective seal lips. ACCEPT Per A330 AMM	
Serviceable:	Chap. 72-00-00 Pg. 113 attached for reference.	
Yes		
		C11/207
		Interest of the second se

ESN 811207

Low Pressure Turbine:	Comments	1912
LPT Stage 2 Blades	No significant discrepancies noted at this time.	
Inspected;		
Yes		
Serviceable:		
Yes		
Low Pressure Turbine:	Comments	IPT3
LPT Stage 3 Blades	No significant discrepancies noted at this time.	
Inspected;		A Friday Marine
Yes		
Serviceable:		
Yes		
		611267
		LET 3

ESN 811207

17 April 2020

Low Pressure Turbine:	Comments	LPI 4
LPT Stage 4 Blades	No significant discrepancies noted at this time.	
Inspected:	Some coating discoloration and environmental deposit observed.	
Yes		
Serviceable:		
Yes		
		611207
		Bis A A A A A A A A A A A A A A A A A A A

Low Pressure Turbine:	Comments	
LPT Stage 5 Blades	No significant discrepancies noted as viewed	
Inspected:	from the exhaust.	
Yes		
Serviceable:		
Yes		

This report and the accompanying video is submitted on behalf of Service Aero Solutions, LLC (SAS) and subject to the condition that it is understood and agreed that the contents are based on diligent inspection and are exclusive of latent defects in materials, rigging, or systems not detectable without removal or disassembly; but are believed to be correct and are fairly representative of the condition of the engine at the time of inspection and prior to any operation. Furthermore, the client acknowledges that SAS' liability with regards to the work performed is limited to the amount of the invoice. This BSI report is submitted without prejudice and in confidence to the named client and is without responsibility to others to whom it may be shown. This report is void if altered in any way. The engine(s) inspected were prepared for borescope and returned to original condition by another facility contracted by the client and not affiliated with SAS. Maintenance Manual pages attached to this report, if any, are uncontrolled and are for general reference only. Verify limits with current MM effective for this engine and or aircraft.

SIGNATURE Jared M. Palmer A&P 3235584

17 April 2020

AI	R	B	U	S	

Customer : ACI	Manual : AMM
Type : A330.*	Selected applicability : ALL
Rev. Date : Aug 17, 2019	
72-00-00 PB 601 CONF 11 - ENGINE	- GENERAL - INSPECTION/CHECK

Stages	Condition	Notes	Maximum Serviceable Limits
1-2, 4-9	Tears, nicks, cracks, miss- ing material and dents on the leading and trailing edges.	*[1], *[2], *[3], *[4]	All nicks, missing material and dents are permitted if not more than 0.05 in. (1.27 mm) in depth, and the blade is not torn or bent. Torn or cracked edges are not permitted.
	Tears, nicks, cracks, miss- ing material and dents on the leading and trailing edges.	*[1], *[3], *[4]	No damage permitted in outer 2 in. (50.80 mm) of blade. For the rest of the blade, all other limits apply.
END OF POST	GE SB 72-156		
	Tears, nicks, cracks, miss- ing material and dents on the leading and trailing edges.	*[3], *[4]	If the damage is less than 0.30 in. (7.62 mm) from the tip: all nicks, missing material and dents are per- mitted if not more than 0.05 in. (1.27 mm) in depth. The blade must not be torn, cracked or bent. Nicks, dents and missing material less than 0.12 in. (3.05 mm) in depth, or cracks and tears less than 0.12 in. (3.05 mm) in length are permitted if no more than six blades in each stage are damaged. If the dam- age is more than 0.299 in. (7.59 mm) from the tip: Any number of nicks, missing material and dents up to 0.0499 in. (1.27 mm) maximum depth are ser- viceable. The blade must not be torn or bent. Torn or cracked edges greater than 0.299 in. (7.59 mm) from the tip are not serviceable.
	GE SB 72-156	at a	
12-14	Cracks	*[1]	The cracks must be in a radial direction along the tip of the blade.
13-14	Nicks, dents and missing material on the leading and the trailing edges.		Permitted, if less than 0.05 in. (1.27 mm) in depth.
13-14	Nicks, dents, missing ma- terial, tears and cracks on the leading and trailing edges, less than or equal to 0.5 in. (12.70 mm) from the blade tip.	*[3]	A maximum of six blades per stage are permitted, if less than 0.120 in. (3.05 mm) in depth.
13-14	Tears, cracks and bends on the leading and trailing edges, greater than 0.50 in. (12.70 mm)from the blade tip.	*[3]	Not permitted.

<u>NOTE:</u> *[1] All limits for the leading edge of the blade apply to the area from the leading edge to 0.199 in. (5.05 mm) from the leading edge. All limits for the trailing edge of the blade apply to the area from the trailing edge of the blade to 0.199 in. (5.05 mm) from the trailing edge.

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(2) Dome plate and if visible, the dome plate cooling holes as follows: (Ref. Fig. Combustion Chamber Dome Plate Inspection SHEET 1)

NOTE: The dome plate cooling holes are visible after splash plate missing material occurs.

INSPECT/CHECK	MAXIMUM SER- VICEABLE LIMITS	REMARK
Discoloration	Any amount permitted.	
Carbon accumulation	Any amount permitted.	
Missing, chipped or spalled areas of the thermal barrier coat- ing		
Dome plate radial cracks in the cooling holes area		See the continue-in-service limits (Ref. AMM TASK 72-00-00-200- 831).
Inner and outer region of dome plate radial cracks		See the continue-in-service limits (Ref. AMM TASK 72-00-00-200- 831) .
Dome plate circumferential cracks in the cooling holes area	Any amount permitted if less than 0.50 in, (12.70 mm) in length. Up to two cracks permitted if they are less than 1 in. (25.40 mm) in length and there is 2.5 in. (63.50 mm) or more between the cracks.	(Ref. AMM TASK 72-00-00-200- 831) .
Inner and outer region of dome plate circumferential cracks	Any amount permitted if less than 0.50 in. (12.70 mm) in length. Up to two cracks permitted if they are less than 1 in. (25.40 mm) in length and there is 2.5 in. (63.50 mm) or more between the cracks.	See the continue-in-service limits (Ref. AMM TASK 72-00-00-200- 831) .
Missing metal (overhangs)	Five damaged areas are permit- ted on each dome plate overhang, if less than 0.5 in. (12.70 mm) in radial depth and 1 in. (25.40 mm) in circumferential length.	831).
Burn-through holes in the dome plate	Any amount of burn-through areas if the total area is not more than 0.40 in.2 (258.06 mm2) and no single burn through area is more than 0.2 in.2 (129.03 mm2).	(Ref. AMM TASK 72-00-00-200- 831) .
inner and outer band cracks	Not permitted.	See the continue-in-service limits (Ref. AMM TASK 72-00-00-200- 831).

(3) Dome sleeve as follows:

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INSPECT/CHECK	MAXIMUM SER- VICEABLE LIMITS	REMARK
Discoloration	Any amount permitted.	No maintenance necessary.
Carbon accumulation	Any amount permitted.	No maintenance necessary.
Distortion	Any amount permitted.	No maintenance necessary.

(4) Inner/outer combustion liner panels for:

(Ref. Fig. Combustion Chamber Assembly Inspection SHEET 1)

(Ref. Fig. Combustion Section - Combustion Outer/Inner Liner Inspection)

<u>NOTE:</u> A closed or decreasing combustor liner overhang gap shortens the life span of the combustor, leading to distortion or burn-through.

NOTE: If a dilution hole is contained in the damaged area, include the dilution hole in the area created.

- <u>NOTE:</u> It is recommended at first report of inner liner burn-through to do a borescope inspection of the stage-1 high pressure turbine nozzle.
- <u>NOTE:</u> It is recommended at first report of outer liner burn-through to do a borescope inspection of the stage-1 high pressure turbine nozzle.

INSPECT/CHECK	MAXIMUM SER- VICEABLE LIMITS	REMARK
	one panel is permitted. No more	See over-serviceable limit exten- sions (Ref. AMM TASK 72-00-00- 200-831) .
	any other cracks are not permit- ted.	
Circumferential cracks in panels with dilution holes	cracked area between two dilu- tion holes is next to at least three adjacent areas, between dilution holes, that have no cracks.	See over-serviceable limit exten- sions (Ref. AMM TASK 72-00-00- 200-831) .
Connected cracks	Not permitted.	See over-serviceable limit exten- sions (Ref. AMM TASK 72-00-00- 200-831).

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INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
<u>NOTE:</u> This type of damage (mater heat.	rial gone from the leading edge tip) is	s the result of shroud distortion from
A related to parent metal that is gone because of oxidation. 1st Stage High Pressure Turbine Rotor Blade Inspection	Not permitted.	
related to impact damage	Permitted if they do not extend out of the leading edge.	
D.Radial cracks out of the leading edge holes in area B.	Any number provided they do not connect three holes and do not turn into the axial direction.	
E.Axial cracks in area B.	Not serviceable.	
F.Nicks and dents in area A.	Any amount provided damage or resultant cracking does not extend past the gill holes.	
	Any amount provided damage or resultant cracking does not extend past the gill holes and is not associ- ated with tears, missing material or cracking.	
H.Material that is gone.	One piece per blade not larger in diameter than the span between two leading edge holes or 0.24 in. (6.0960 mm) provided it is not be- low the fifth concave gill hole from the top and there is no associated cracking. The internal leading edge crossover wall must be intact. Only three blades per rotor set.	
J.Missing TBC.	Any Amount Permitted.	
K.Parent Metal Oxidation-Rough surface with green and/or black coloration.	Any Amount Permitted. Decrease the borescope inspection level to half of the standard recommended interval.	Look for axial cracks adjacent to the oxidized area.
	<u>NOTE:</u> Further decreases in re-in- spection intervals may be needed based on each op- erator experience.	
L.Maximum service extension for leading edge:		
The area above the 4th hole from the platform for cracks, nicks, and dents due to impact with no miss- ing material allowed.	10 cycles.	

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INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
D.Cracks in dented areas	Any number provided that the crack	
	is confined to the distressed area	
	and that there are no cracks out	
	or away from the distressed area.	
	Maximum crack length 0.38 in.	
	(9.6520 mm) long.	
3.Concave and convex surfaces for	r:	
A.Nicks and dents	Any number 0.03 in. (0.7620 mm)	
	deep, minimum separation 0.25 in.	
	(6.3500 mm) with no protrusions on	
	opposite side. 5 dents per side with	
	maximum protrusions of 0.02 in.	
	(0.5080 mm) on the opposite side.	
4. Top surface of blade platform (n	ot including blade root radius) for:	anna an an an an an an ann an ann an an
A.Nicks and dents	Any number, 0.02 in. (0.5080 mm)	
	deep.	
5.Inspect shroud circumferential m		
ow Pressure Turbine Shroud Circ	cumferential Inspection SHEET 1	
A.Wear (irregular or jagged)	Permitted if there are no irregular or	
	jagged signs of wear on the inter-	
	lock area of the mate face.	
6.Inspect the shroud interlocks for		
A.Wear (irregular or jagged)	Not serviceable.	
B.Wear, with loss of axial preload	Not serviceable, if there is no axial preload.	
C.Shingled or unlatched	Not serviceable. If interlocks can	
-	be unshingled or relatched with axi-	
	al preload present, then blades are	
	serviceable.	
7.Inspect the seal lips for:		
Typical Low Pressure Turbine Rol		
A.Rubs, turned or missing materi-		
	seal lip.	
(1)Maximum service extensions for LPT rotor are:		
• 10 cycles for 1st thru 4th stage		
blades, any amount of tip		
shroud interlock wear is al-		
lowed. Missing airfolls or miss-		
ing tip shrouds are allowed,		
provided missing material or		
cracks do not exceed 50 per-		
cent of the cord width of blade		
and 25 percent of chord width in		1
the inner half of the blade.		
 5 cycles for 5th stage blades, 		
any amount of tip shroud in-		
terlock wear is allowed. One		
		1

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(2) Install an ACCESS PLATFORM 1M(3 FT).

- (3) Remove borescope plugs:
 - CAUTION: MAKE SURE THAT YOU PUT LABELS ON THE BORESCOPE PLUGS. ENGINE DAM-AGE CAN OCCUR IF THE BORESCOPE PLUGS ARE NOT PUT BACK IN THE COR-RECT LOCATIONS.
 - (a) Remove borescope plugs B2-1 through B2-4. (Ref. Fig. Engine Borescope Port Locations SHEET 1)

NOTE: Removal of the ECS duct can be necessary for easier access to the borescope plug B2-4.

NOTE: If it is necessary to remove the borescope port B2-5, you must first remove the ECS duct.

<u>NOTE:</u> To inspect the 1st and 2nd stage rotors and shrouds, and 2nd stage nozzle, remove borescope plugs B3-1 and B3-2.

Subtask 72-00-00-480-069-A

H. Install N2 rotation equipment (Ref. AMM TASK 72-00-00-860-802).

4. Procedure

Subtask 72-00-00-290-115-A

A. Borescope inspect the 1st stage High Pressure Turbine (HPT) nozzle for: (Ref. Fig. 1st Stage High Pressure Turbine Nozzle Vane Inspection SHEET 1)

NOTE: During borescope inspection, plugged cooling holes are permitted if the damage from cracks, erosion, and burns are within the permitted limits.

INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
1.Inspect the leading edge of the vane airfoil for:		
A.Cracks interconnecting nose holes	Any number if no material is gone. See for maximum serviceable ex-	
	tension.	
B.Cracks propagating from nose holes, but not interconnecting nose holes	Any number if no material is gone. See maximum serviceable exten- sion.	
C.Burns or erosion	Permitted if the maximum loss of material or burns (that are fully through the metal) are not more than 0.3 in.2 (194.0 mm2) for each vane. A maximum of four vanes in a 90 degree arc can have this damage. If adjacent vanes have damage, replace the three fuel nozzles that are upstream of the damaged area within the next 100 flight cycles. See maximum service- able extension.	

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	MAXIMUM SERVICEABLE LIMITS	REMARK
D.Maximum serviceable extension		
_eading edge missing material	25 cycles.	
rom cracking or burn-through up		
o 0.5 in.2 (323.0 mm2) per airfoil.		
Maximum of four vanes per 90 de-		
gree arc.		
2.Concave surface of vane airfoll f		
A.Radial cracks out of the gill	Any number; no missing material.	
holes	See maximum service extension.	
B.Other cracks (not in the gill	Any number no missing material.	
holes rows)	See maximum service extension.	
C.Bums	Any number no missing material or	
	burn through. See maximum ser-	
	vice extension.	
	Any number no missing material.	
inner and outer platforms	See maximum service extension.	
E.Maximum service extension for		
Convex surface missing material	25 cycles.	
from cracking or burn-through up		
to 0.5 in.2 (322.58 mm2) per airfoi		
Convex surface of vane airfoil fo		
A.Radial cracks	Any number no missing material.	
	See maximum service extension.	
B.Axial cracks	Any number no missing material.	
	See maximum service extension.	
C.Burns	Any number no missing material or	
	burn through. See maximum ser-	
	vice extension.	
	Any number no missing material.	
inner and outer platforms	See maximum service extension.	
E.Maximum service extension for		
Concave surface missing material	25 cycles.	
from cracking or burn-through up		
to 0.5 in.2 (322.58 mm2) per airfoi		
4. Trailing edge of vane airfoil for:		
A.Axial cracks originating from	Any number.	
slots adjacent to trailing edge		
B.Buckling or bowing	Any amount.	
C.Burns, tears or dents (loss of	Total area removed from trail-	
metal)	ing edge not to exceed 6 in.2	
	(3870.96 mm2) per assembly, 1.5	
	in.2 (967.74 mm2) per airfoil. See	
	maximum service extensions.	
D.Maximum service extension for		
Trailing edge missing material	25 cycles.	
from cracking or burn-through up		
to 2.5 in.2 (1612.90 mm2) per air-	1	

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INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
foil and up to an accumulated 10		
in.2 (6451.60 mm2) per assembly		
5.All areas of airfoil for:		
A.Craze cracks	Any amount.	
NOTE: Craze cracks are superficia	al cracks that do not break the coatin	g surface.
B.Nicks, scores, scratches and dents	Any amount.	
C.Metal splatter	Any amount.	
6.Inner and outer platform for:	······································	
A.Cracks in parent metal	Any number no missing material.	
	See maximum service extensions.	
B.Nicks, scores scratches, and	Any number.	
dents on platform surface		
C.Burns on vane platform	Any number, not through platform.	
	See maximum service extensions.	
D.Bulging and/or bowing	Not serviceable. See maximum ser-	
	vice extensions.	
E.Maximum service extension for	9	
Inner/outer platform missing	Up to 0.2 in.2 (129.03 mm2) per air-	
material from cracking or burn-	foil and up to an accumulated 1.0	
through.	in.2 (645.16 mm2) per assembly	

Subtask 72-00-00-290-116-A

B. Inspect the 1st stage HPT shroud rub surface for: (Ref. Fig. 1st Stage High Pressure Turbine Shroud SHEET 1)

INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
1.Axial cracks	Any number or length of cracks in	
	flowpath surface.	
2.Circumferential cracks	Any number up to 0.375 in. (9.5250	
	mm) long separated by 0.125 in.	
	(3.1750 mm). See maximum ser-	
	vice extension.	
3.Radial cracks in gas face for-	Three per segment across forward	
ward wall	wall separated by 0.5 in. (12.7000	
	mm). See maximum service exten-	
	sion.	
4.Interconnecting cracks	Connection of any axial and circum-	
	ferential cracks up to maximum lim-	
	its of steps 1, and 2, Limit is ex-	
	ceeded when any third crack con-	
	nects except at shroud ends. See	
	maximum service extension.	
5.Missing material	Maximum area of 0.1 in. (2.5400	
	mm) circumferentially (dimension	

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INSPECT/CHECK	MAXIMUM SERVICEABLE LIMITS	REMARK
E.Nicks, scores, scratches or	Any number up to 0.25 in. (6.3500	
dents	mm) and 0.03 in. (0.7620 mm)	
	deep.	
F.Bowing of trailing edge	Any number up to 0.1 in. (2.5400	
	mm) from the original contour.	
G.Burns in convex and concave	One area up to 1 in.2 (645.16 mm2)	
sides	with no through holes.	
H.Burns or spalling on vane lead-	1 in. (25.4000 mm) long radially,	
ing edge (charred only, no holes	0.25 in. (6.3500 mm) wide per	
through airfoil)	vane.	
J.Missing material in the trailing	One piece 0.15 in. (3.8100 mm)	
edge	wide by 0.15 in. (3.8100 mm) long.	
2.Inspect the inner and outer platf		
A.Cracks between vanes	Any number 0.15 in. (3.8100 mm)	
	long. Two per segment, 0.6 in.	
	(15.2400 mm) long separated by	
	0.3 in. (7.6200 mm)	
B.Crack between airfoils in NGV	One crack (or two cracks that	
segment, adjacent to airfoil/plat-	merge to make one crack) allowed	
form fillet. Crack is in outer plat-	from forward to aft edge of platform.	
form, not directly in airfoil fillet.	if crack does not wrap around lead-	
ond, not all only in all on line.	ing edge of airfoil. Lífting of materi-	
	al greater than the thickness of the	
	platform is not allowed	
C Nicks scores scratches and	platform is not allowed.	
C.Nicks, scores, scratches and dents on the platform surfaces	Any number up to 0.03 in. (0.7620	
C.Nicks, scores, scratches and dents on the platform surfaces D.Craze cracking	P	
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner	Any number up to 0.03 in. (0.7620 mm) deep. Any amount.	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter-	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted	g surface.
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted Not permitted	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coatin Permitted	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable.	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable. 4.Inspect the 2nd stage HPT shro	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable. 4.Inspect the 2nd stage HPT shro 2nd Stage High Pressure Turbine	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25 uds for: Shroud Segment SHEET 1	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable. 4.Inspect the 2nd stage HPT shro 2nd Stage High Pressure Turbine	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25	-
dents on the platform surfaces D.Craze cracking <u>NOTE:</u> Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable. 4.Inspect the 2nd stage HPT shro	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25 uds for: Shroud Segment SHEET 1 Any amount. No wear through al-	-
dents on the platform surfaces D.Craze cracking NOTE: Craze cracks are superfici E.Cracks in the outer and inner platform leading or trailing edges or mating face edges F.Cracks in the outer and inner platform leading or trailing edges or mating face edges that: inter- sect, extend into the airfoil or run along the airfoil fillet radius 3.Maximum service extension for percent beyond serviceable. 4.Inspect the 2nd stage HPT shro 2nd Stage High Pressure Turbine A.Wear	Any number up to 0.03 in. (0.7620 mm) deep. Any amount. al cracks that do not break the coating Permitted Not permitted 2nd stage HPT nozzle assembly is 25 uds for: Shroud Segment SHEET 1 Any amount. No wear through al- lowed. Any amount. No burn through al-	-

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	ASCENT	A330 ENGINI		IN-UP		
A/C MSN: 510		DATE: 15-Apr-2		ted For: GA Telesis	LLC.	
OAT C°: 27	Press: 29.93	Field Altitude: 18		Order: WO-04-20		
	EN	GINE INFORM	ATION			
ENGINE MODEL:		RT NUMBER:	1960M84P07	BUMP LEVEL:	N/A	
ENGINE FAMILY:	11 PMUX II	NSTALLED:	NO	EGT SHUNT	85	
		Mithing a second and a second s				
		ESN 811220		ESN 811207		
Peak EGT on Start	1 501			<u>2</u> 470		
	JU1	35% 0014		2459-501001-60-00-00-00-00-00-00-00-00-00-00-00-00-		
		35% FUW			······	
%N1 TARGET	1			2		
%N1 TARGET %N2 MAXIMUM	71.95			71.95 95.74		
EGT MAXIMUM	600			<u> </u>		
FUEL FLOW MAXIMUM	3,429			3,527		
F/F CORRECTION	-227			-227		
	71.95			71.95		
%N2 ACTUAL EGT ACTUAL	93.8			94.2		
FUEL FLOW ACTUAL	3,200			<u>596</u> 3,200		
N1 VIB ACTUAL	0.2			2		
N2 VIB ACTUAL	0.7			1		
%N2 MARGIN	1.61			1.54		
EGT MARGIN	2			10.5		
FUEL FLOW MARGIN	2			100		
		83% POWER ASSURANCE				
7040	1			2		
%N1 TARGET	99.95			99.95		
%N2 MAXIMUM EGT MAXIMUM	106.44			106.44		
FUEL FLOW MAXIMUM	858 8.968			<u> </u>		
F/F CORRECTION	-587			-587		
%N1 ACTUAL	99.95			99.95		
%N2 ACTUAL	105.1	105.1		105.5		
EGT ACTUAL	853			847		
FUEL FLOW ACTUAL		8,360		8,090		
N1 VIB ACTUAL		0.8		1.7		
%N2 MARGIN	1.34	2.3		<u> </u>		
EGT MARGIN	5			12		
FUEL FLOW MARGIN	21			291		
EGT, N2, AND	ude correction was accomplished for FUEL FLOW MAXIMUMS HAVE /EL 4 for Eng. No. 2.	field elevation (1893 F BEEN CORRECTEI). Maximum Fuel Flo D FOR N1 TRIM LE	w is only a guideline and not a lim VEL 0 for Eng. No. 1	it per AMM	