

 **Lufthansa Technik**
Engine Shop Visit Documentation



HGT1700
ESN: P-00135

Shop Visit FEB 2024

 **Lufthansa Technik**
Engine Shop Visit Documentation



HGT1700

ESN: P-00135

Shop Visit FEB 2024

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Lufthansa Technik

Engine Shop Visit Documentation



APU Release Certificate

HGT1700

ESN: P-00135

19411346



1. Approving Competent Authority / Country LBA / Germany		2. <div style="border: 1px solid black; padding: 5px; display: inline-block;">This is a true copy of the original!</div> <div style="display: flex; justify-content: space-between; width: 100%;"><div>Sign/PK no 729390</div><div>Date 13.03.24</div></div>				3. Form Tracking Number WT100452443 00000001	
4. Organisation Name and Address: <div style="text-align: center;"> Lufthansa Technik</div> <div style="text-align: right;">Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany</div>				5. Work Order/Contract/Invoice 603058			
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status / Work		
01	APU - HGT1700A	70720041-00	1	P-00135	REPAIRED		
12. Remarks AVOLON AEROSPACE LEASING LIMIT A1P/0027543; HGT1700 P-00135 <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>TP R MK-No. 10 Pack Code N/A Resp. Workshop 44430000 Workshop Station HAMBS02</div><div style="border: 1px solid black; padding: 5px; width: 30%; text-align: center;">Return to Service in Accordance with 14 CFR part 43 <small>The work identified in Block 11 and described herein has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for release or return to service under</small> FAA Certificate No.: DLAY225D</div></div> <div style="margin-top: 10px;">WORK PERFORMED IN ACCORDANCE WITH: CMP, COMPONENT MAINTENANCE PUBLICATION, AUXILIARY POWER UNIT - GAS TURBINE ENGINE, PART NUMBER 70720041-00, HON99193-99193-00010-00, ISSUE NO. 008 DATED 2022-12-07 CMDS, COMPONENT MAINTENANCE DOCUMENT SUMMARY : ATA49-24-96 : R/I 060 : 70720041-00 DATED 2023-09-27. ALL ETOPS RELEVANT SHOP TASKS ACCOMPLISHED. APU IS ETOPS CAPABLE.</div> <div style="text-align: right; margin-top: 10px;"><input checked="" type="checkbox"/> Further details of work performed are attached either in a Workshop Report reference number see blocks 3 and 5 or in other applicable documents</div>							
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12			14a. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part- 145 and in respect to that work the items are considered ready for release to service.				
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature 719416			
13d. Name		13e. Date (dd mmm yyyy)		14c. Certificate / Approval Ref. Number DE.145.0001			
				14d. Name Wolfgang Müller			
				14e. Date (dd mmm yyyy) 13 Mar 2024			

EASA FORM 1 - Issue 3

USER/INSTALLER RESPONSIBILITIES

Note: This certificate does not automatically constitute authority to install the item(s).

Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.

19411346



1. Approving Competent Authority / Country CAA/UK		2. AUTHORISED RELEASE CERTIFICATE CAA FORM 1				3. Form Tracking Number WT100452443 00000001										
4. Organisation Name and Address <div style="display: flex; align-items: center; justify-content: center;"><div>Lufthansa Technik</div></div> <div style="text-align: right; margin-top: 10px;">Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany</div>						5. Work Order/Contract/Invoice 603058										
6. Item 01	7. Description APU - HGT1700A	8. Part No. 70720041-00		9. Qty. 1	10. Serial No. P-00135		11. Status / Work REPAIRED									
12. Remarks <div style="display: flex; justify-content: space-between;"><div>AVOLON AEROSPACE LEASING LIMIT AIP/0027543; HGT1700 P-00135 <table border="1" style="margin-top: 10px;"><thead><tr><th></th><th>Opr. Hours</th><th>Cycles</th></tr></thead><tbody><tr><td>TT</td><td>2802:51</td><td>1500</td></tr><tr><td>TSO</td><td>2802:51</td><td>1500</td></tr></tbody></table></div><div style="text-align: center;">TP R MK-No. 10 Pack Code N/A Resp. Workshop 44430000 Workshop Station HAMBS02 WORK PERFORMED IN ACCORDANCE WITH: CMP, COMPONENT MAINTENANCE PUBLICATION, AUXILIARY POWER UNIT - GAS TURBINE ENGINE, PART NUMBER 70720041-00, HON99193-99193-00010-00, ISSUE NO. 008 DATED 2022-12-07 CMDS, COMPONENT MAINTENANCE DOCUMENT SUMMARY : ATA49-24-96 : R/1 060 : 70720041-00 DATED 2023-09-27. ALL ETOPS RELEVANT SHOP TASKS ACCOMPLISHED. APU IS ETOPS CAPABLE.</div><div style="border: 1px solid black; padding: 10px; text-align: center; margin-top: 20px;">This is a true copy of the original! <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div> Sign/PK no</div><div>13.03.24 Date</div></div></div></div>									Opr. Hours	Cycles	TT	2802:51	1500	TSO	2802:51	1500
	Opr. Hours	Cycles														
TT	2802:51	1500														
TSO	2802:51	1500														
<input checked="" type="checkbox"/> Further details of work performed are attached either in a Workshop Report reference number see blocks 3 and 5 or in other applicable documents.																
13a. Certifies that the items identified above were manufactured in conformity to: <input type="checkbox"/> approved design data and are in a condition for safe operation <input type="checkbox"/> non-approved design data specified in block 12				14a. <input checked="" type="checkbox"/> Part-145.A.50 Release to Service <input type="checkbox"/> Other Regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work, identified in block 11 and described in block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.												
13b. Authorised Signature		13c. Approval / Authorisation Number		14b. Authorised Signature 719416		14c. Certificate / Approval Ref. No. UK.145.01408										
13d. Name		13e. Date (dd mmm yyyy)		14d. Name Wolfgang Müller		14e. Date (dd mmm yyyy) 13 Mar 2024										

USER / INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install the item(s).
Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.

CAA Form 1-MF/CAO/145 Issue 1

LHT Form 33081 D-23 (HAM T/TQ-A1)



1. 国家 Country P. R. China	2. 中国民用航空总局 CAAC <input type="checkbox"/> 符合性 Conformity <input checked="" type="checkbox"/> 适航性 Airworthiness 批准放行证书/适航批准标签 Authorized Release Certificate / Airworthiness Approval Tag					3. 证书编号 Certificate Ref. No. LHT / CAAC / A / WT100452443 00000001
4. 单位 Organisation  Lufthansa Technik		Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany			5. 工作单/合同单/账单 Work Order/Contract/Invoice 603058	
6. 序号 Item	7. 内容 Description	8. 件号 Part No.	9. 适用性 Eligibility *	10. 数量 Qty.	11. 系列号/批号 Serial / Batch No.	12. 产品状态 Status / Work
01	APU - HGT1700A	70720041-00	UNKNOWN	1	P-00135	REPAIRED
13 备注 Remarks ATA 4924 TP R MK-No. 10 Pack Code N/A Resp. Workshop 44430000 Workshop Station HAMBS02 AVOLON AEROSPACE LEASING LIMIT A1P/0027543; HGT1700 P-00135 WORK PERFORMED IN ACCORDANCE WITH: CMP, COMPONENT MAINTENANCE PUBLICATION, AUXILIARY POWER UNIT - GAS TURBINE ENGINE, PART NUMBER 70720041-00, HON99193-99193-00010-00, ISSUE NO. 008 DATED 2022-12-07 CMDS, COMPONENT MAINTENANCE DOCUMENT SUMMARY : ATA49-24-96 : R/I 060 : 70720041-00 DATED 2023-09-27. ALL ETOPS RELEVANT SHOP TASKS ACCOMPLISHED. APU IS ETOPS CAPABLE. <div style="border: 1px solid black; padding: 5px; text-align: center;">This is a true copy of the original! M. Müller 729390 13.03.24 Sign/PK no Date</div> <div style="font-size: small;">For storage conditions see CMM or Operator's maintenance program. Limited life parts will normally be accompanied by maintenance history including life used. <input checked="" type="checkbox"/> Further details of work performed are attached either in a Workshop Report (reference number: see blocks 3 and 5) or in other applicable documents.</div>						
14. 新产品 New Parts 兹声明上述产品除第 13 项的其它规定以外, 已按照上述国家适航条例进行制造/检查, 并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。 Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in case of parts to be exported with the approved design data and with the notified special requirements of the importing country. (over)			15. 使用过的产品 Used Parts: 兹声明上述产品除第 13 项的其它规定外, 已按照上述国家适航条例和进口国通知的特殊要求进行了工作, 该产品处于安全可用状态可以批准放行使用。 Certifies that the work specified above except as otherwise specified in block 13 was (were) carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work the part(s) is(are) in condition for safe operation and considered ready for release to service. (over)			
16. 批准人签名 Signature  		18. 批准日期 Date (d/m/y) 13 Mar 2024		19. 中国民航总局授权 Issued by or on behalf of the CAAC F04900352		
17. 批准人姓名(打印的) Name (printed) 719416, Wolfgang Müller						

批准放行证书/适航批准标签

使用者/安装者职责

- (1) 必须明确: 本文件并不批准零件/组件/部件可以装到有关产品上。
- (2) 当使用者/安装者使用的是所在国适航当局的条例, 而不是本表第 1 项中所指国家适航当局的条例时, 使用者/安装者必须保证所在国的适航当局能接受所指国家适航当局批准出口的零件/组件/部件。
- (3) 表中第 14 项、第 15 项的陈述, 并不说明本表是安装批准。在所有情况下, 航空器使用前, 航空器使用者/安装者应按本国适航条例颁发的安装批准放入维修记录中。

AAC-038(12/94)
LHT Form 31160 E-12 (HAM TQ3)

AUTHORIZED RELEASE CERTIFICATE / AIRWORTHINESS APPROVAL TAG

USER / INSTALLER RESPONSIBILITIES

- 1) It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
- 2) Where the user/installer works 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 parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.
- 3) Statement 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.


*参阅产品目录详细查找适用性

*Cross-check eligibility for more details with parts catalogue

Workshop Report Copy

19411346



Customer Order No. A1P/0027543; HGT1700 P-00135		 Lufthansa Technik Lufthansa Technik AG Weg beim Jäger 193 22335 Hamburg Germany	Certificate Ref. No. WT100452443 00000001
			Work Order/Contract/Invoice 603058
Part. No. as received 70720041-00	Serial No. as received P-00135		Description APU - HGT1700A
Part No. as dispatched 70720041-00	Serial No. as dispatched P-00135		Responsible Workshop 44430000
Reason for removal Re-Certification			Modification Status according to Mod-Label See Unit Mod-Label if equipped
Findings Refer to Transfer Report			
Action Refer to Transfer Report			
			Name 719416, Wolfgang Müller
The work specified above has been performed subject to Lufthansa Technik's Standard conditions for Technical Services which, if not superseded by another agreement or not yet agreed upon before, are acknowledged by the customer with acceptance of the part(s) hereunder.			Date (dd mmm yyyy) 13 Mar 2024



Lufthansa Technik

Engine Shop Visit Documentation



APU Transfer Report

HGT1700

ESN: P-00135

Transfer Report

**Lufthansa Technik**

Engine Type	Engine S/N	Rev. No.	Operator	Aircraft	Rem. Date	Rem. Place
HGT1700A	P-00135	603058	THA	HS-THQ	15.01.2024	BKK
Position	Engine TT	Engine TC	Engine TSO	Engine CSO	Engine TSR	Engine CSR
Aft	2802:51	1500	2802:51	1500	0:00	0

Reason for removal

re-certification

Shop findings / Highlights

Re-Certification Unit. ATP Run performed. APU Accepted.

Replaced modules☒ NONE ☐ Load ☐ Power ☐ Gearbox**Task performed i. a. w.**

Honeywell CMP 49-24-97 Issue No.008

Installed modules S/N and performed workscope level (as defined in Honeywell CMP, L=Light, M=Medium, H=Heavy)

Load Module LA062146 L Power Module LA062148 L Gearbox Module LA062147 L

Test information

EGT Margin ECS [°C]	EGT Margin MES [°C]	Vibration Gearbox [in/s]	Vibration Turbine [in/s]	Vibration Starter/Gen [in/s]	Automatic Start Time [s]	Oil Consumption	Test Date	APU Accepted
16.9	14.8	0.23	0.38	0.44	62.5	No	12.03.2024	Yes

Shop comments

- Oil Filter Check Results: No Findings
- Magnetic Plug Check Results: No Findings
- Borescope Inspection Results: No Findings
- APU Preservation Date: 12.03.2024 until 12.03.2026 i.a.w. CMP 49-24-97 / SB 49-8028 Rev.3
- Preservation of Fuel System: Performed on 12.03.2024
- CRAS created: No
- ETOPS: Yes
- DOA/DER: No
- All installed items of this event are in compliance with Manual Revision No. as stated above
- First Stage Turbine Blade life status: Were not disassembled. Blades have accumulated 2802:51 OPH since new.

Documents attached

- ☒
- Dual Release EASA Form One
- ☒
- Missing Parts List
- ☒
- Accesory Report
- ☒
- CAAC AAC-038
-
- ☒
- CAA Form 1 (LHT Form 33081)

Work to be performed during installation

- Remove all caps from drain bosses and covers from inlets and outlets and remove the desiccant bags from the APU exhaust, if any
- If any, Install missing items per applicable manual. Refer to Missing Parts List.
- Refill oil system i.a.w. applicable manual. This unit was shipped without oil.
- De-Preserve the fuel system i.a.w. applicable manual. The fuel system was preserved per applicable manual.

Modification & inspection information

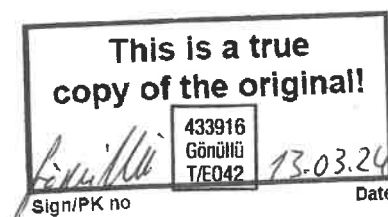
Service Bulletin status see SB status document

Issued by

Gönüllü

Date of issue

13.03.2024

Distribution433916
Gönüllü
T/E042**Customer**



Lufthansa Technik

Engine Shop Visit Documentation



Missing Parts List

HGT1700

ESN: P-00135

Distribution
HAM T/EO4

Revisions-No.
603058

Shop in date (dd.mm.yyyy)
21.02.2024

Date (dd.mm.yyyy)
21.02.2024

Helmer

733123

Missing Part List



Lufthansa Technik

Status Outgoing	Component APU	Manufacturer Honeywell	Distribution HAM T/EO4
Customer 2LL	Engine S/N P-00135	Revisions-No. 603058	
Engine Type HGT1700A	Core/Module S/N N/A	Shop in date (dd.mm.yyyy) 15.01.2024	

Item	Description	Partnumber	Qty	Remarks
1	Ground Strap (lower)	680-526-9123:99193	1	Missing Part
2	Ground Strap (upper)	680-526-9113:99193	1	Missing Part
3				
4				
5				
6				
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30				
31				

not required

729390

Editor HAM T/EO42	Prepared by HAM T/EO43	Inspector / Stamp Kemnitzner	Date (dd.mm.yyyy) 13.03.2024
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Sign/PK no 	Date 13.03.24
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Lufthansa Technik

Engine Shop Visit Documentation



Accessory Report



HGT1700

ESN: P-00135

APU Accessory Report

APU HGT1700A		Eng. SN: P-00135		TT: 2800:29	Customer: 2LL		Operator: THA		For customer only
		Event No.: 603058		TC: 1496	Rev: 603058				
Removed From A/C		Incoming			Outgoing				<div>729390</div>
		WILHELM, STEFAN	U594593	06-Mar-2024	Kemnitzner	729390	13.03.2024		
Pos.	Nomination	PN Incoming	SN Incoming	PN Outgoing	SN Outgoing	Remarks	Status/Condition		
1	Starter Generator	70720176-3	70720176-30394	70720176-3	70720176-30394	not disassembled	not accessible		
2	Fuel Control Unit	70720165-1	70720165-10391	70720165-1	70720165-10391	not disassembled	not accessible		
3	Oil Cooler	70720249-1	70720249-10145	70720249-1	70720249-10145	not disassembled	not accessible		
4	Sensor, Oil Level	70720171-1	70720171-10061	70720171-1	70720171-10061	not disassembled	not accessible		
5	Valve, Surge Control	3290814-6	3290814-2177	3290814-6	3290814-2177	not disassembled	not accessible		
6	Valve, Bleed	70721870-1	70721870-10048	70721870-1	70721870-10048	not disassembled	not accessible		
7	IGV Actuator	3886188-3	12146	3886188-3	12146	not disassembled	not accessible		
8	Ignition Exciter	3888058-8	2316250400620	3888058-8	2316250400620	not disassembled	not accessible		
9	Data Memory Module	70720170-3	70720170-30153	70720170-3	70720170-30153		Visual Inspection		
10	Motional Transducer (Speed Sensor)	3876212-2	not accessible	3876212-2	not accessible	not disassembled	not accessible		
11	Valve, Pressure Regulator And Relief	70720175-1	0086	70720175-1	0086	not disassembled	not accessible		
12	3-Way Pressure Module	3876337-1	15-11214-00429	3876337-1	15-11214-00429	not disassembled	not accessible		
13	EGT Thermocouple 6 oclock	70720273-1	1515027700156	70720273-1	2415027700146		New Part		
14	EGT Thermocouple 9 oclock	70720273-1	1515027700136	70720273-1	1515027700136	not disassembled	not accessible		
15	EGT Thermocouple 11 oclock	70720273-1	1515027700154	70720273-1	1515027700154	not disassembled	not accessible		
16	Valve, Pressure Relief	968214-6	N/A	968214-6	N/A	not disassembled	not accessible		
17	Wiring Harness, E Route	70721537-1	70721537-10281	70721537-1	70721537-10281	not disassembled	not accessible		
18	Wiring Hamess, M Route	70721545-1	70721545-10037	70721545-1	70721545-10037	not disassembled	not accessible		
19	Wiring Harness, S Route	70721544-1	70721545-10007	70721544-1	70721545-10007	not disassembled	not accessible		
20	Fuel Nozzle Assembly, Primary	70720322-4	N/A	70720322-4	N/A	not disassembled	not accessible		
21	Fuel Nozzle Assembly, Secondary	70720323-3	N/A	70720323-3	N/A	not disassembled	not accessible		
22	Igniter Plug	70721452-1	N/A	70721452-1	N/A		Visual Inspection		
23	Lead, Igniter Plug	3876132-15	N/A	3876132-15	N/A	not disassembled	not accessible		
24	Switch, Low Fuel Pressure	3876187-4	N/A	3876187-4	N/A	not disassembled	not accessible		
25	Oil Pump	70720141-1	14-162407-00313	70720141-1	14-162407-00313	not disassembled	not accessible		

This is a true copy of the original!

  13.03.24

Sign/PK no Date



Lufthansa Technik

Engine Shop Visit Documentation



AD Status Report

HGT1700

ESN: P-00135

Airworthiness Directive Status



Lufthansa Technik

APU **HGT1700A:99193**
Serial No. **P-00135**
Customer
Operated by **THA**
Revision No. **603058**


APU Total Time **2802:51 OPH**

APU Total Cycles **1500 OPC**

as of Date **14.MAR.2024**

Issue **01**

Issued on **14.MAR.2024**


Signature

433916
Gönüllü
T/EO42

Adnan Gönüllü
HAM T/EO42

Lufthansa Technik AG

FAA Repair Station No. DLAY 225D
EASA Certificate Ref. No. DE 145.0001

Airworthiness Directive Status



Lufthansa Technik

Issue
as of Date

01
14.MAR.2024

APU
Serial No.

HGT1700A:99193
P-00135

APU Total Time
APU Total Cycles

2802:51 OPH
1500 OPC

Modul	Modulname	Modul	Modulname
P-00135	APU	LA062146	LC
LA062147	GBX	LA062148	PS

- NO ADS - *fein*

433916
Gözüllü
T/E042

Airworthiness Directive Status



Lufthansa Technik

Legend of Abbreviations

AD	AIRWORTHINESS DIRECTIVE	ETOPS	EXTENDED RANGE TWIN ENGINE OPERATIONS	PTC	PART TOTAL CYCLE
AEB	ATLAS ENGINEERING BULLETIN	FC	FLIGHT CYCLE	PTT	PART TOTAL TIME
ALI	AIRWORTHINESS LIMITATION INSTRUCTIONS	FH	FLIGHT HOURS	REP	REPAIR
ALT	AIRWORTHINESS LIMITATION TASK	INS	INSPECTION	REV	REVISION
AOT	ALL OPERATOR TELEX	LL	LIFE LIMIT	R/I	REVISION / ISSUE
AOW	ALL OPERATOR WIRE	LTA	LUFTTÜCHTIGKEITSANWEISUNG	RP	REPETITIVE
AMDT	AMENDMENT	MAN	MAINTENANCE ADVISORY NOTICE	S/N	SERIAL NUMBER
CAD	CIVIL AUTHORITY DOCUMENT	ML	MODUL LEVEL	SB	SERVICE BULLETIN AIRCRAFT
CEO	CUSTOMER ENGINEERING ORDER	MM	MAINTENANCE MANUAL	SBC	SERVICE BULLETIN COMPONENT
CIS	CYCLES IN SERVICE	MOD	MODIFICATION	SBE	SERVICE BULLETIN ENGINE
CMM	COMPONENT MAINTENANCE MANUAL	MS	MAINTENANCE SCHEDULE	SIL	SERVICE INFORMATION LETTER
CN	CONSIGNE DE NAVIGABILITE	MTC	MODULE TOTAL CYCLES	SL	SERVICE LETTER
COSL	COMPONENT OPERATING AND STORAGE LIMIT	MTH	MODULE TOTAL HOURS	SDS	SUPERSEDES COMPONENT
CSN	CYCLES SINCE NEW	NA N/A	NOT APPLICABLE	SLC	SERVICE LETTER COMPONENT
CSI	CYCLES SINCE INSTALLATION	NDT	NON DESTRUCTIVE TESTING	SSD	SUPERSEDED
EAD	EASA AIRWORTHINESS DIRECTIVE	OPH	OPERATION HOURS	TSN	TIME SINCE NEW
EFC	ENGINE FLIGHT CYCLE	OPC	OPERATION CYCLES	TA	TERMINATING ACTION
EFH	ENGINE FLIGHT HOURS	OHM	OVERHAUL MANUAL	TIS	TIME IN SERVICE
ENG	ENGINE	OT	ONE-TIME	TSI	TIME SINCE INSTALLATION
EO	ENGINEERING ORDER	OTH	OTHER REQUIREMENT	>AD< -AD-	AD RELATED REQUIREMENT
ESN	ENGINE SERIAL NUMBER	P/N	PART NUMBER	>E< >ETOPS< -ETOPS-	ETOPS RELATED REQUIREMENT
ESV	ENGINE SHOP VISIT	PPE	PIECE PART EXPOSURE	>HTC<	HIGH TRUST CAPABLE
ETC	ENGINE TOTAL CYCLES	PPL	PIECE PART LEVEL	>PIP<	POWER IMPROVED PROGRAMM
ETH	ENGINE TOTAL HOURS	PRC	PART REGISTER CHART		
CANCELLED	REQUIREMENT IS CANCELLED	NOT APPL.	NOT APPLICABLE		
CUST.CONF	IMPLEMENTATION IS CONFIRMED BY CUSTOMER	OPEN	NOT IMPLEMENTED, SEE REMARKS FOR REASON		
MISS.PART	MISSING PART	PCW	PREVIOUSLY COMPLIED WITH		
N/A BY ESN	NOT APPLICABLE BY ENGINE SERIAL NUMBER	PERF.PRO	PERFORMED DURING PRODUCTION		
N/A BY PN	NOT APPLICABLE BY PART NUMBER	REMOVED	THE REQUIREMENT WAS PERFORMED AT INDUCTION, BUT DUE TO HARDWARE CHANGE IT IS NOW OPEN		
N/A BY SN	NOT APPLICABLE BY SERIAL NUMBER	SUPERSEDED	REQUIREMENT IS SUPERSEDED (SEE REMARKS FOR SUPERSEDING REQUIREMENT)		
N/A ENGVER	NOT APPLICABLE BY ENGINE VERSION	UNKNOWN	THE AFFECTED AREA WAS NOT SUFFICIENTLY DISASSEMBLED TO VERIFY THIS STATUS		



Lufthansa Technik

Engine Shop Visit Documentation



SB Status Report

HGT1700

ESN: P-00135

Service Bulletin Status



Lufthansa Technik

APU **HGT1700A:99193**
Serial No. **P-00135**
Customer **2LL**
Operated by **THA**
Revision No. **603058**

APU Total Time **2802:51 OPH**

APU Total Cycles **1500 OPC**

as of Date **14.MAR.2024**

Issue **01**
Issued on **14.MAR.2024**

Prepared by:
Adnan Gönüllü
HAM T/EO42

Lufthansa Technik AG

FAA Repair Station No. DLAY 225D
EASA Certificate Ref. No. DE 145.0001

Service Bulletin Status



Issue
as of Date

01
14.MAR.2024

APU
Serial No.

HGT1700A:99193
P-00135

APU Total Time
APU Total Cycles

2802:51 OPH
1500 OPC

Modul	Modulname	Modul	Modulname
P-00135	APU	LA062146	LC
LA062147	GBX	LA062148	PS

Service Bulletin Status



Lufthansa Technik

Issue 01
as of Date 14.MAR.2024

APU
Serial No.

HGT1700A:99193
P-00135

APU Total Time
APU Total Cycles

2802:51 OPH
1500 OPC

Document	R/I	Description	Type	Subassy	RP	Status	Remarks
CMP CS 25.1535-C-000-0048	9	ETOPS REQUIREMENTS SUMMARY FOR HGT1700 APU	INS	APU	X	13.03.2024	
MPD	09	ETOPS REQUIREMENTS SUMMARY FOR HGT1700 APU	INS	APU	X	13.03.2024	
SBC HGT1700-49-8156	00	REPL. AFT FRAME PN 70720138-3 WITH -4	MOD	PS		PERF.PRO	
SBC HGT1700-49-8157	00	REPL. LC SCROLL HOUSING PN 70720131-4 WITH -5	MOD	LC		PERF.PRO	
SBC HGT1700-49-8158	00	REPL. BEARING SUPPORT HOUSING PN70720601-1 WITH -2	MOD	LC		PERF.PRO	
SBC HGT1700-49-8159	00	REPL. OIL TANK PN 70720124-1 WITH 70721572-1	MOD	GBX		PERF.PRO	
SBC HGT1700-49-8160	00	REPL. MID SUMP SCAV TUBE PN 70720282-2 WITH -3	MOD	APU		PERF.PRO	
SBC HGT1700-49-8181	01	REPL. LUBE JET ADAPTER PN 70720330-3 WITH -4	MOD	GBX		PERF.PRO	
SBC HGT1700-49-8197	00	REPL. FASTENERS ON BLEED DUCT/ SCROLL INTERFACE	MOD	APU		PERF.PRO	
SBC HGT1700-49-8238	01	REPL. IGNITER PLUG LEAD PN 3876132-15 WITH -16	MOD	APU		OPEN	ON ATTRITION ACC. WPG REV.10
SBC HGT1700-49-8239	01	REPL. FIRE BLANKET BRACKET PN 70721729-1 WITH -2	MOD	APU		OPEN	ON ATTRITION ACC. WPG REV.10
SBC HGT1700-49-8240	00	REMOVE EXHAUST CONE PN 70720140-2	MOD	PS		PCW	
SBC HGT1700-49-8241	00	REPL. SPACERS, ADD BRACKETS AND CLAMPS	MOD	APU		22.06.2023	
SBC HGT1700-49-8317	00	REPL. T2 NOZZLE ASSY PN 3844471-7 WITH -8	MOD	PS		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8322	00	REPL. OIL LVL SENSOR PN 70720171-1 WITH -2	MOD	GBX		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8327	00	SER.8 WEIGHT REDUCTION VIA TUBES, CLAMPS, BRACKETS	MOD	APU		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8354	00	REPL. LEFT/RIGHT BUFFER AIR TUBES	MOD	APU		15.06.2023	
SBC HGT1700-49-8372	00	REPL IGNITION UNIT PN 3888058-8 WITH PN 70721353-1	MOD	APU		OPEN	OPTIONAL ACC. WPG REV.10

Service Bulletin Status



Lufthansa Technik

Legend of Abbreviations

AD	AIRWORTHINESS DIRECTIVE	ETOPS	EXTENDED RANGE TWIN ENGINE OPERATIONS	PTC	PART TOTAL CYCLE
AEB	ATLAS ENGINEERING BULLETIN	FC	FLIGHT CYCLE	PTT	PART TOTAL TIME
ALI	AIRWORTHINESS LIMITATION INSTRUCTIONS	FH	FLIGHT HOURS	REP	REPAIR
ALT	AIRWORTHINESS LIMITATION TASK	INS	INSPECTION	REV	REVISION
AOT	ALL OPERATOR TELEX	LL	LIFE LIMIT	R/I	REVISION / ISSUE
AOW	ALL OPERATOR WIRE	LTA	LUFTTÜCHTIGKEITSANWEISUNG	RP	REPETITIVE
AMDT	AMENDMENT	MAN	MAINTENANCE ADVISORY NOTICE	S/N	SERIAL NUMBER
CAD	CIVIL AUTHORITY DOCUMENT	ML	MODUL LEVEL	SB	SERVICE BULLETIN AIRCRAFT
CEO	CUSTOMER ENGINEERING ORDER	MM	MAINTENANCE MANUAL	SBC	SERVICE BULLETIN COMPONENT
CIS	CYCLES IN SERVICE	MOD	MODIFICATION	SBE	SERVICE BULLETIN ENGINE
CMM	COMPONENT MAINTENANCE MANUAL	MS	MAINTENANCE SCHEDULE	SIL	SERVICE INFORMATION LETTER
CN	CONSIGNE DE NAVIGABILITE	MTC	MODULE TOTAL CYCLES	SL	SERVICE LETTER
COSL	COMPONENT OPERATING AND STORAGE LIMIT	MTH	MODULE TOTAL HOURS	SDS	SUPERSEDES COMPONENT
CSN	CYCLES SINCE NEW	NA N/A	NOT APPLICABLE	SLC	SERVICE LETTER COMPONENT
CSI	CYCLES SINCE INSTALLATION	NDT	NON DESTRUCTIVE TESTING	SSD	SUPERSEDED
EAD	EASA AIRWORTHINESS DIRECTIVE	OPH	OPERATION HOURS	TSN	TIME SINCE NEW
EFC	ENGINE FLIGHT CYCLE	OPC	OPERATION CYCLES	TA	TERMINATING ACTION
EFH	ENGINE FLIGHT HOURS	OHM	OVERHAUL MANUAL	TIS	TIME IN SERVICE
ENG	ENGINE	OT	ONE-TIME	TSI	TIME SINCE INSTALLATION
EO	ENGINEERING ORDER	OTH	OTHER REQUIREMENT	>AD< -AD-	AD RELATED REQUIREMENT
ESN	ENGINE SERIAL NUMBER	P/N	PART NUMBER	>E< >ETOPS< -ETOPS-	ETOPS RELATED REQUIREMENT
ESV	ENGINE SHOP VISIT	PPE	PIECE PART EXPOSURE	>HTC<	HIGH TRUST CAPABLE
ETC	ENGINE TOTAL CYCLES	PPL	PIECE PART LEVEL	>PIP<	POWER IMPROVED PROGRAMM
ETH	ENGINE TOTAL HOURS	PRC	PART REGISTER CHART		

CANCELLED	REQUIREMENT IS CANCELLED	NOT APPL.	NOT APPLICABLE
CUST.CONF	IMPLEMENTATION IS CONFIRMED BY CUSTOMER	OPEN	NOT IMPLEMENTED, SEE REMARKS FOR REASON
MISS.PART	MISSING PART	PCW	PREVIOUSLY COMPLIED WITH
N/A BY ESN	NOT APPLICABLE BY ENGINE SERIAL NUMBER	PERF.PRO	PERFORMED DURING PRODUCTION
N/A BY PN	NOT APPLICABLE BY PART NUMBER	REMOVED	THE REQUIREMENT WAS PERFORMED AT INDUCTION, BUT DUE TO HARDWARE CHANGE IT IS NOW OPEN
N/A BY SN	NOT APPLICABLE BY SERIAL NUMBER	SUPERSEDED	REQUIREMENT IS SUPERSEDED (SEE REMARKS FOR SUPERSEDING REQUIREMENT)
N/A ENGVER	NOT APPLICABLE BY ENGINE VERSION	UNKNOWN	THE AFFECTED AREA WAS NOT SUFFICIENTLY DISASSEMBLED TO VERIFY THIS STATUS



Lufthansa Technik

Engine Shop Visit Documentation



LLP Status report

HGT1700

ESN: P-00135

APU Life Limited Parts Status Report



Lufthansa Technik

Customer:

2LL

Operator:

THA

Engine Type:

HGT1700A

Date of Certificate

13-Mar-2024

Engine S/N: P-00135

P-00135

Event No:

603058

Rev: 603058

603058

TSN before test:

2800:29

Test Cell Hrs:

2:22

TSN at date of report:

2802:51

CSN before test:

1496

Test Cell Cycles:

4

CSN at date of report:

1500

Please note: TSN and CSN of Life Limited Parts include Test-Cell Hours and Cycles of actual APU Shop Visit as stated above and reflect the status at release to service.

Traceable Life Limited / Life Controlled Parts (OFF: as removed, ON: installed and at date of release to service)

Part Name	P/N OFF	S/N OFF	HRS:MIN OFF	CYC OFF	P/N ON	S/N ON	HRS:MIN ON	CYC ON	Part Cycle Remain	Part Condition
Compressor Impeller, LC	70720128-1	14-182449-14362	not disassembled	not disassembled	70720128-1	14-182449-14362	2802:51	1500	25500	not disassembled
Compressor Impeller, EC, First Stage	70720029-1	14-182449-13389	not disassembled	not disassembled	70720029-1	14-182449-13389	2802:51	1500	25500	not disassembled
Compressor Impeller, EC, Second Stage	3822341-5	1518244916790	not disassembled	not disassembled	3822341-5	1518244916790	2802:51	1500	25500	not disassembled
Turbine Disk, First Stage	3842152-1	14-168522-09254	not disassembled	not disassembled	3842152-1	14-168522-09254	2802:51	1500	25500	not disassembled
Turbine Rotor Assy, First Stage	3842151-3	14-168522-09254			3842151-3	14-168522-09254				not disassembled
Turbine Disk, Second Stage	3842156-1	14-168522-09362	not disassembled	not disassembled	3842156-1	14-168522-09362	2802:51	1500	25500	not disassembled
Turbine Rotor Assy, Second Stage	3842155-4	14-168522-09362			3842155-4	14-168522-09362				not disassembled
Turbine Rotor Assy, Third Stage	3842160-6	15-156101-02915	not disassembled	not disassembled	3842160-6	15-156101-02915	2802:51	1500	25500	not disassembled

The above data have been compiled from data including APU records supplied by the APU owner.

Part Cycle Limit acc. to CMP: 27000 cycles for all LLPs.

Issued by / stamp
Lufthansa Technik - HAM T/EO4 - APU Services

Louis Misi

433916
Gönüllü
T/EO42

Issue No.

Initial Issue

Date of issue

14-Mar-2024



Lufthansa Technik

Engine Shop Visit Documentation



Test Run Performance Summary

HGT1700

ESN: P-00135

Test Run Data HGT1700



Lufthansa Technik

APU S/N P-00135	APU VERSION HGT1700A	DATE 12-Mar-2024	CUSTOMER 2LL
EVENT NO. 603058	APU TT AFTER ATP RUN 2802.8657	APU TC AFTER ATP RUN 1500	RUN NO. 1
REASON OF REMOVAL RE-CERTIFICATION		APU TEST ATP RUN	TESTCELL HAM P1
ECB P/N 3888558-02	ECB S/N 3888558-00179	ECB SOFTWARE P/N SGC567072070712	
SGCU P/N 51090002-00	SGCU S/N 51090002-00207	SGCU SOFTWARE P/N GRS495120000009	

PERFORMANCE TEST CRITERIA

Performance Data Adjusted To S.L. 38 °C (100.4 °F) , Installed Conditions

ECS - 156 kVA ELECTRICAL LOAD

MES - 156 kVA ELECTRICAL LOAD

EGT _{COR}	582.5 °C	EGT _{margin}	16.9 °C	EGT _{COR}	590.8 °C	EGT _{margin}	14.8 °C
EGT _{max}	599.4 °C			EGT _{max}	605.6 °C		
PB _{min}	3.86 bar			PB _{min}	3.95 bar		
PB _{COR}	3.91 bar			PB _{COR}	4.09 bar		
GENSL	157.2 kVA	GENSL _{margin}	1.2 kVA	GENSL	157.4 kVA	GENSL _{margin}	1.4 kVA
GENSL _{min}	156.0 kVA			GENSL _{min}	156.0 kVA		
IGV Pos. Min.	7.3 DEG			IGV Pos. Min.	4.5 DEG		
IGV Position	12.0 DEG			IGV Position	9.3 DEG		
IGV Pos.Max.	12.3 DEG			IGV Pos.Max.	9.5 DEG		
WB _{COR}	458.2 lb/min	WB _{margin}	7.6 lb/min				
WB _{min}	450.6 lb/min						
WF _{COR}	291.5 KG/hr	Wf _{margin}	11.5 KG/hr				
WF _{max}	303.0 KG/hr						

System Performance

Max Vib during Funtional Test	GEARBOX	≤	0.65 in/sec	=	0.23 in/sec
	TURBINE	≤	1.00 in/sec	=	0.38 in/sec
	START/GEN	≤	1.00 in/sec	=	0.44 in/sec
Oil Consumption		≤	0.01 ltr/hr	=	0.00 ltr/hr
Start	AUTOMATIC START TIME	≤	120 sec	=	62.5 sec
Oil Level	INITIAL OIL LEVEL (TS011)	<	0 %	=	-14.3 %
	ADD OIL LEVEL (TS012)		8,1 to 20,3 %	=	18.7 %
	FULL OIL LEVEL (TS013)		81,2 to 94,2 %	=	84.2 %
Offset	DPOP Offset		-0,02 to 0.02	=	0.010
	ECS Offset		0 to 5	=	4.691
	MES Offset		0 to 5	=	4.797

General Characteristics

TOTAL NUMBERS OF STARTS DURING ATP	=	4
AUTOMATIC START TEST OF 4 SUCCESS STARTS IN A ROW ACCOMPLISHED	=	YES
MES TERMINATION TEST OKAY?	=	YES
STABILITY CHECK ACCOMPLISHED	=	YES
FADEC FAULTS	=	NO
OIL FILTER INSPECTION	=	OK
MAGNETIC PLUG	=	OK
FUEL FILTER INSPECTION	=	OK
OIL TYPE	=	EASTMAN 2197
FUEL TYPE	=	JetA1
FUELSYSTEM INHIBITED WITH OIL PER MIL-L-6081 GRADE 1010	=	YES, 12-Mar-24
TOTAL RUNNING TIME	=	142 min
ACCESSORIES CHANGED	=	EGT THERMOCOUPLE

ESM Revision No.
08. DEC 07 / 22

ATP RUN ACCOMPLISHED

Remarks
EGT THERMOCOUPLE ONLY FOR TEST RUN

Summary Revision No.
0

Reason for Summary Revision
First Edition

Issued by
HAM T/EO252

Issue Date
12-Mar-2024

Distribution
2LL T/EO25

MECH C	LEAD TESTER C
57969	27037

**TEST DATA SHEET**

HGT1700A

DATE **Mar 12, 24**APU S/N **P-00135**

DESCRIPTION		IDENT	UNITS		READY TO LOAD		SHAFT ONLY LOAD		ECS		MES	
			METRIC	US	METRIC	US	METRIC	US	METRIC	US	METRIC	US
BAROMETRIC PRESSURE		PBAR	MBAR	PSIA	1011	14.664	1011	14.663	1011	14.662	1011	14.661
AVERAGE INLET TEMPERATURE		T1	°C	°F	9.7	49.5	9.7	49.5	10.4	50.7	10.7	51.3
UNIT INLET TEMPERATURE (T2)		T2	°C	°F	N/A	N/A	N/A	N/A	10.0	50.0	10.4	50.7
OIL PRESSURE		POIL	MBAR	PSIG		72.1		71.0		73.0		73.0
OIL TEMPERATURE - LUBE PUMP DISH.		TOIL	°C	°F	83.7	182.7	89.2	192.6	90.5	194.9	90.9	195.6
GEARBOX PRESSURE - SUMP		PSGBX	MBAR	PSID	-1.0	0.0	-1.0	0.0	0.0	0	1.0	0.008
TURBINE DISCHARGE	RAKE 1	TTDEA	°C	°F	336.6	637.9	377.6	711.7	534.5	994.1	542.3	1008.1
TEMPERATURE	RAKE 2	TTDEB	°C	°F	343.8	650.8	383.6	722.48	516.9	962.4	524.6	976.3
(UNIT RAKES)	RAKE 3	TTDEC	°C	°F	344.5	652.1	390.9	735.6	536.1	997.0	543.5	1010.3
EXHAUST GAS TOTAL TEMPERATURE (LAB-AVG)	ACTUAL	T58	°C	°F	338.1	640.6	384.6	724.3	539.7	1003.5	547.5	1017.5
	CORRECTED*	EGTCOR	°C	°F					582.5	1080.6	590.8	1095.5
BLEED AIR ORIFICE INLET PRESSURE		PBORFA	BAR	PSIG					3.2	45.7	3.4	48.8
BLEED AIR ORIFICE INLET TEMPERATURE		TBORFA	°C	°F					190.4	374.6	193.1	379.6
BLEED AIR ORIFICE DELTA P		PDBORA	MBAR	PSIG					302	4.380	107	1.552
EXHAUST STATIC PRESSURE		PS9	MBAR	PSIG					-1.0	-0.018	-2.0	-0.028
IGV POSITION **		IGVPOS	DEG	DEG					12.0	12	9.3	9.3
CORRECTED DISCHARGE BLEED AIRFLOW		WBCDNA	KG/S	LB/MIN					1.17	155.16	0.70	92.99
BLEED AIRFLOW	ACTUAL	WB	KG/S	LB/MIN					3.863	511.0	2.390	316.1
	CORRECTED*	WBCOR	KG/S	LB/MIN					3.464	458.2	2.167	286.6
BLEED TOTAL PRESSURE	ACTUAL	PB	BAR	PSIG					4.2	46.9	4.4	49.1
	CORRECTED*	PBCOR	BAR	PSIG					3.91	56.7	4.09	59.3
BLEED AIR TEMPERATURE	ACTUAL	TB	°C	°F					192.3	378.1	196.3	385.4
	CORRECTED*	TBCOR	°C	°F					218.3	425.0	222.8	433.1
FUEL CONSUMPTION	ACTUAL	WF	KG/HR	LB/HR					309.6	682.5	315.2	694.9
	CORRECTED*	WFCOR	KG/HR	LB/HR					291.5	642.7	297.5	655.8
GENERATOR OUTPUT (AT TERMINALS)		PWGEN	KVA	KVA			156.3		156.8		157.0	
GENERATOR OUTPUT CORRECTED		GENSL	KVA	KVA			156.6		157.2		157.4	
UNIT VIBRATION	GEARBOX	VIBGBB		IN/SEC		0.23		0.18		0.20		0.19
	TURBINE	VIBTVA		IN/SEC		0.38		0.37		0.37		0.38
	START/GEN	VIBSGVA		IN/SEC		0.19		0.39		0.44		0.44
APU SPEED		XNL	RPM	RPM	36622		36621		39041		39042	
DIGITAL DATA SCAN			TIME		11:56:36		12:07:21		12:23:17		12:36:42	
			DATE		12.03.2024		12.03.2024		12.03.2024		12.03.2024	
DIGITAL DATA POINT NO.			—		1		2		3		4	

* DATA CORRECTED TO 38 °C (100.4 °F) , INSTALLED , SEA LEVEL CONDITIONS

** RELATIVE TO 0 DEGREE BEING FULL OPEN

WARNING

NO OIL IN OILTANK / GEARBOX

Please Refill before Operation

Used Oil Type for Test S/N: P-00135

- | | | |
|--|--|---|
| <input type="checkbox"/> Mobil Jet Oil II | <input type="checkbox"/> ETO 2389 | <input type="checkbox"/> Aero Shell 390 |
| <input type="checkbox"/> Mobil Jet Oil 387 | <input type="checkbox"/> ETO2380 | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> TN 600 | <input checked="" type="checkbox"/> ETO 2197 | _____ |

Performed Date (DD / MM / YY) 12 / 03 / 24

Department / Mechanic : LHT HAM T/EO252 / 763578 AK



Lufthansa Technik

Engine Testcell

Engine Type / S/N : HGT1700 / P-00135

EM 70720041-00

49-24-97

THE FUELSYSTEM OF THIS ENGINE HAS BEEN INHIBITED WITH
OIL PER MIL-PRF-6081 GRADE 1010.

Performed Date (DD / MM / YY) : 12 / 03 / 24

Department / Mechanic : HAM T/EO252 / 763578 AK



Lufthansa Technik

Engine Shop Visit Documentation



Log Book (Copy of pages)

HGT1700
ESN: P-00135

Honeywell

P-00135

Honeywell International Inc
Engines Systems and Services
PO Box 52181
Phoenix, Arizona 85072-2181

AUXILIARY POWER UNIT

APU LOG BOOK

APU Data

Delivery Date _____


Model No. HGT1700[A] Serial No. P-00135 Total APU Weight 754.0 Lbs.

See applicable technical manuals for leading particulars.

APU SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

Mechanic must endorse all inspections and repairs with name, rating and certificate number.

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
SEP 16 2015	Ø	Ø	Ø	Ø	70720041-00 NEW PRODUCTION UNIT P-00135 SERIES 5 CHANGE NONE
					<p>Article Preserved per MIL-E-5607 on this date. This treatment considered adequate for a period of TWO (2) years.</p> <div style="text-align: right; margin-top: 20px;">  <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 10px;">208</div> </div>
22-NAR-91	Ø		Ø		This APU was installed ON ACFT MSN 0024 (PR-XTA) IN GRU. ACFT TSN: 10368 / CSN 1176.
TOTALS TO DATE					

APU SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

Mechanic must endorse all inspections and repairs with name, rating and certificate number.

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
AUG 19, 20	2338		1085		THIS APU WAS REMOVED FROM ACFT MSN 0024 PR-XTA DUE TO CONVENIENCE LATAM IN GRU ON AUG 19, 2020. ACFT TSN: 14472 CSN 1610 <i>Eng/Asst/Brf</i>
SEP 13, 20	2338		1085		THIS APU WAS INSTALLED ON ACFT MSN 0250 PR-XTi IN GRU ON SEP 13, 2020. ACFT TSN: 5347 CSN 575 <i>Eng/Asst/Brf</i>
SEP 17, 21	2395		1111		THIS APU WAS REMOVED FROM ACFT MSN 0250 PR-XTi DUE TO AIRCRAFT REDELIVERY IN GRU ON SEP 17, 2021. ACFT TSN: 5347 CSN: 575 <i>Eng/Asst/Brf</i>
					TOTALS TO DATE

APU SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

Mechanic must endorse all inspections and repairs with name, rating and certificate number.

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
AUG 19, 20	2338		1085		THIS APU WAS REMOVED FROM ACFT MSN 0024 PR-XTA DUE TO CONVENIENCE LATAM IN GRU ON AUG 19, 2020. ACFT TSN: 14472 CSN: 1610 Eng Eng Bnf
SEP 13, 20	2338		1085		THIS APU WAS INSTALLED ON ACFT MSN 0290 PR-XTI IN GRU ON SEP 13, 2020. ACFT TSN: 5347 CSN: 575 Eng Eng Bnf
SEP 17, 21	2395		1111		THIS APU WAS REMOVED FROM ACFT MSN 0290 PR-XTI DUE TO AIRCRAFT REDELIVERY IN GRU ON SEP 17, 2021. ACFT TSN: 5347 CSN: 575 Eng Eng Bnf
					TOTALS TO DATE

APU SERVICE RECORD

DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS

Mechanic must endorse all inspections and repairs with name, rating and certificate number.

[illegible]

ACFT MSN 0024
9M IN GRU
1 Qry Bnf
2FT MSN 0230
320.
1 Qry Bnf
ACFT MSN 0250
22Y IN GRU
Bnf Bnf Bnf
TE

TOTALS TO DATE

APU Service Record



Lufthansa Technik

Engine Type HGT1700A	Engine P/N 70720041-00	Engine S/N P-00135	Operator N/A
Event No T687338	Revision No. 687338	Date of Induction 12.06.2023	TT as received 2429:24
			TC as received 1131
At date of certificate:	TT 2431:41	TC 1135	TSO 2431:41
			CSO 1135
			TSR 0:00
			CSR 0

Workscope

Unit has been: REPAIRED, MODIFIED AND TESTED.

Work performed in accordance with Component Maintenance Publication P/N 70720041-00, ATA 49-24-97, Issue No. 008.

Replaced modules:

☒NONE ☐Load ☐Power ☐Gearbox

Installed modules S/N:

Load:LA062146 Power: LA062148 Gearbox: LA062147

Notes

NO EASA AND/OR FAA ADs APPLICABLE.

Unit was preserved i.A.w. CMP 49-24-97, Storage procedures and data, for 24 months storage.

Before operating this unit, Customer has to perform the following action in addition to the applicable instructions:

- Remove all caps from drain bosses and covers from inlets and outlets and remove the desiccant bags from the APU exhaust, if any
- If any, install missing items per applicable manual. Refer to Missing Parts List.
- Refill oil system i.a.w. applicable manual. This unit was shipped without oil.
- De-Preserve the fuel system i.a.w. applicable manual. The fuel system was preserved per applicable manual.

Certificate / Approval Ref. No.

EASA: DE.145.0001, FAA: DLAY225D, other valid approvals see LHT DOC.15458

Issued by / Stamp

Gönüllü

433916
Gönüllü
T/E042

**LHT T/E04
DE.145.0001**

Issue No.

Initial issue

Date of issue

21.06.2023

a Technik

APU Service Record



Lufthansa Technik

Engine S/N: P-00135

Event No: 687338

Rev: 687338

Engine TT: 2429:24

Engine TC: 1131

Traceable Life Limited / Life Controlled Parts (OFF: as removed, ON: as installed - prior to APU test run)

Part Name	P/N OFF	S/N OFF	HRS:MIN OFF	CYC OFF	P/N ON	S/N ON	HRS:MIN ON	CYC ON
Compressor Impeller, EC, First Stage	70720029-1	14-182449-13389	no Change	no Change	70720029-1	no Change	no Change	no Change
Compressor Impeller, EC, Second Stage	3822341-5	1518244916790	no Change	no Change	3822341-5	no Change	no Change	no Change
Turbine Disk, First Stage	3842152-1	14-168522-09254	no Change	no Change	3842152-1	no Change	no Change	no Change
Turbine Disk, Second Stage	3842156-1	14-168522-09362	no Change	no Change	3842156-1	no Change	no Change	no Change
Turbine Rotor Assy, Third Stage	3842160-6	15-156101-02915	no Change	no Change	3842160-6	no Change	no Change	no Change
Compressor Impeller, LC	70720128-1	14-182449-14362	no Change	no Change	70720128-1	no Change	no Change	no Change

Status Line Replaceable Units - Nameplate Data Controlled

Item	P/N	S/N	Status
Fuel Control Unit	70720165-1	70720165-10059	0B
Starter Generator	70720176-3	70720176-30394	0B
Valve, Bleed	70721870-1	70721870-10048	0B
Valve, Surge Control	3290814-6	3290814-2177	0B
IGV Actuator	3886188-3	12146	0B
3-Way Pressure Module	3876337-1	15-11214-00429	0B
Data Memory Module	70720170-3	70720170-30153	0B

Item	P/N	S/N	Status
Ignition Exciter	3888058-8	1516250400445	0B
Motional Transducer (Speed Sensor)	unchanged	unchanged	0B
Oil Cooler	70720249-1	70720149-10093	0B

Status: 0-A=Visual Inspect and Test during ATP Run; 0-B=Test during ATP Run; 1=Bench Test; 2=Repaired; 3=Overhauled; 5=New; E=Exchange

Issued by / stamp

[Signature]

433916
Gönüllü
T/E042

LHT T/E04
DE.145.0001

Issue No.

Initial Issue

Date of issue

26-Jun-2023

APU Service Record



Lufthansa Technik

APU Ser

Engine S/N: P-

Engine Type HGT1700A		Engine P/N 70720041-00	Engine S/N P-00135	Operator THA	
Event No T603058	Revision No. 603058	Date of Induction 21.02.2024	TT as received 2800:29		TC as received 1496
At date of certificate	TT 2802:51	TC 1500	TSO 2802:51	CSO 1500	TSR 0:00 CSR 0

Workscope

Unit has been: INSPECTED AND TESTED.

Work performed in accordance with Component Maintenance Publication P/N 70720041-00, ATA 49-24-97, Issue No. 008.

Replaced modules

☒ NONE ☐ Load ☐ Power ☐ Gearbox

Installed modules S/N

Load: LA062146 **Power:** LA062148 **Gearbox:** LA062147

Notes

NO EASA AND/OR FAA ADs APPLICABLE.

Unit was preserved i.A.w. CMP 49-24-97, Storage procedures and data / SB 49-8028, for 24 months storage.

Before operating this unit, Customer has to perform the following action in addition to the applicable instructions:

- Remove all caps from drain bosses and covers from inlets and outlets and remove the desiccant bags from the APU exhaust, if any
- If any, Install missing items per applicable manual. Refer to Missing Parts List.
- Refill oil system i.a.w. applicable manual. This unit was shipped without oil.
- De-Preserve the fuel system i.a.w. applicable manual. The fuel system was preserved per applicable manual.

Certificate / Approval Ref. No.

EASA: DE.145.0001, FAA: DLAY225D, other valid approvals see LHT DOC.15458

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T/E042

Issue No.

Initial issue

Date of issue

13.03.2024

Traceable Life

Part Name

Compressor Im
EC, First Sta
Compressor Im
EC, Second St
Turbine Disk,
Stage
Turbine Disk,
Stage
Turbine Rotor
Third Stage
Compressor Im

Status Line Rep

Item

Fuel Control U
Starter Genera
Valve, Bleed
Valve, Surge C
IGV Actuator
3-Way Pressure
Data Memory Mo

Status: 0-A=Vi

Issued by / stan

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ved TC as received

1496

CSR

0

7, Issue No. 008.

LA062147

ns:
e APU exhaust, if any

158

issue

.2024

APU Service Record

Engine S/N: P-00135

Event No: 603058

Rev: 603058

Engine TT: 2800:29

Engine TC: 1496



Lufthansa Technik

Traceable Life Limited / Life Controlled Parts (OFF: as removed, ON: as installed - prior to APU test run)

Part Name	P/N OFF	S/N OFF	HRS:MIN OFF	CYC OFF	P/N ON	S/N ON	HRS:MIN ON	CYC ON
Compressor Impeller, EC, First Stage	70720029-1	14-182449-13389	not disassembled	not disassembled	70720029-1	no Change	no Change	no Change
Compressor Impeller, EC, Second Stage	3822341-5	1518244916790	not disassembled	not disassembled	3822341-5	no Change	no Change	no Change
Turbine Disk, First Stage	3842152-1	14-168522-09254	not disassembled	not disassembled	3842152-1	no Change	no Change	no Change
Turbine Disk, Second Stage	3842156-1	14-168522-09362	not disassembled	not disassembled	3842156-1	no Change	no Change	no Change
Turbine Rotor Assy, Third Stage	3842160-6	15-156101-02915	not disassembled	not disassembled	3842160-6	no Change	no Change	no Change
Compressor Impeller, LC	70720128-1	14-182449-14362	not disassembled	not disassembled	70720128-1:99193	no Change	no Change	no Change

Status Line Replaceable Units - Nameplate Data Controlled

Item	P/N	S/N	Status
Fuel Control Unit	70720165-1	70720165-10391	0B
Starter Generator	70720176-3	70720176-30394	0B
Valve, Bleed	70721870-1	70721870-10048	0B
Valve, Surge Control	3290814-6	3290814-2177	0B
IGV Actuator	3886188-3	12146	0B
3-Way Pressure Module	3876337-1	15-11214-00429	0B
Data Memory Module	70720170-3	70720170-30153	0A

Item	P/N	S/N	Status
Ignition Exciter	3888058-8	2316250400620	0B
Motional Transducer (Speed Sensor)	3876212-2	15-169173-28007	0B
Oil Cooler	70720249-1	70720249-10145	0B

Status: 0-A=Visual Inspect and Test during ATP Run; 0-B=Test during ATP Run; 1=Bench Test; 2=Repaired; 3=Overhauled; 5=New; E=Exchange

Issued by / stamp

Jon Miller

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T/E042

Issue No.

Initial Issue

Date of issue

14-Mar-2024

AIRWORTHINESS
DIRECTIVES

SERVICE
BULLETINS

ULTIMATE LIFE
PARTS CARDS

Service Bulletin Compliance Record



Engine S/N: P-00135

Event No: 687338

Rev: 687338

Engine TT: 2429:24

Engine TC: 1131

Service Bulletins Performed – Page 1 of 2

S/B No.	Rev.	Description	Date performed	Repair Station	Stamp/Sign
HGT1700-49-8156	0	Replace the Aft Frame, PN 70720138-3 with PN 70720138-4	Perf.Pro	Honeywell	
HGT1700-49-8157	0	Replace Load Compressor Scroll Housing, PN 70720131- 4 with PN 70720131-5	Perf.Pro	Honeywell	
HGT1700-49-8159	0	Remove and replace oil tank, PN 70720124-1 with PN 70721572-1, and change associated hardware	Perf.Pro	Honeywell	
HGT1700-49-8160	0	Remove and replace mid sump scavenge tube, PN 70720282-2 with PN 70720282-3	Perf.Pro	Honeywell	433916 Gönüllü T/E042
HGT1700-49-8181	1	Authorize Replacement of Lube Jet Adapter, PN 70720330- 3 with PN 70720330-4	Perf.Pro	Honeywell	
HGT1700-49-8197	0	Replace the Fasteners on the Bleed Duct/ Scroll Housing Flange Interface	Perf.Pro	Honeywell	
HGT1700-49-8241	0	Replace Spacers to Prevent Corrosion and Add Brackets and Clamps to Eliminate Hardware Contact	22-Jun-2023	Lufthansa Technik EASA DE.145.0001	
HGT1700-49-8354	0	Replace Buffer Air Tube PN 70720296-1 with PN 70724141-1 and PN 70720297-1 with PN 70724142-1	15-Jun-2023	Lufthansa Technik EASA DE.145.0001	

Issued by / stamp

Jon Miller

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LHT T/E04
DE.145.0001

Issue No.
Initial Issue

Date of issue
26-Jun-2023

ULTIMATE LIFE
PARTS CARDS

SERVICE BULLETIN COMPLIANCE RECORD

Service Bulletin Status



Lufthansa Technik

Issue
as of Date

01
14.MAR.2024

APU
Serial No.

HGT1700A:99193
P-00135

APU Total Time
APU Total Cycles

2802:51 OPH
1500 OPC

Document	R/I	Description	Type	Subassy	RP	Status	Remarks
CMP CS 25.1535-C-000-0048	9	ETOPS REQUIREMENTS SUMMARY FOR HGT1700 APU	INS	APU	X	13.03.2024	
MPD	09	ETOPS REQUIREMENTS SUMMARY FOR HGT1700 APU	INS	APU	X	13.03.2024	
SBC HGT1700-49-8156	00	REPL. AFT FRAME PN 70720138-3 WITH -4	MOD	PS		PERF.PRO	
SBC HGT1700-49-8157	00	REPL. LC SCROLL HOUSING PN 70720131-4 WITH -5	MOD	LC		PERF.PRO	
SBC HGT1700-49-8158	00	REPL. BEARING SUPPORT HOUSING PN70720601-1 WITH -2	MOD	LC		PERF.PRO	
SBC HGT1700-49-8159	00	REPL. OIL TANK PN 70720124-1 WITH 70721572-1	MOD	GBX		PERF.PRO	
SBC HGT1700-49-8160	00	REPL. MID SUMP SCAV TUBE PN 70720282-2 WITH -3	MOD	APU		PERF.PRO	
SBC HGT1700-49-8181	01	REPL. LUBE JET ADAPTER PN 70720330-3 WITH -4	MOD	GBX		PERF.PRO	
SBC HGT1700-49-8197	00	REPL. FASTENERS ON BLEED DUCT/ SCROLL INTERFACE	MOD	APU		PERF.PRO	
SBC HGT1700-49-8238	01	REPL. IGNITER PLUG LEAD PN 3876132-15 WITH -16	MOD	APU		OPEN	ON ATTRITION ACC. WPG REV.10
SBC HGT1700-49-8239	01	REPL. FIRE BLANKET BRACKET PN 70721729-1 WITH -2	MOD	APU		OPEN	ON ATTRITION ACC. WPG REV.10
SBC HGT1700-49-8240	00	REMOVE EXHAUST CONE PN 70720140-2	MOD	PS		PCW	
SBC HGT1700-49-8241	00	REPL. SPACERS, ADD BRACKETS AND CLAMPS	MOD	APU		22.06.2023	
SBC HGT1700-49-8317	00	REPL. T2 NOZZLE ASSY PN 3844471-7 WITH -8	MOD	PS		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8322	00	REPL. OIL LVL SENSOR PN 70720171-1 WITH -2	MOD	GBX		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8327	00	SER.8 WEIGHT REDUCTION VIA TUBES, CLAMPS, BRACKETS	MOD	APU		OPEN	OPTIONAL ACC. WPG REV.10
SBC HGT1700-49-8354	00	REPL. LEFT/RIGHT BUFFER AIR TUBES	MOD	APU		15.06.2023	
SBC HGT1700-49-8372	00	REPL IGNITION UNIT PN 3888058-8 WITH PN 70721353-1	MOD	APU		OPEN	OPTIONAL ACC. WPG REV.10

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T/E042

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BULLETIN NUM

LIFE LIMITED PART CARD

PART NAME Impeller Compressor LD

PART NUMBER 3822348-1

SERIAL NUMBER 14-182449-14362

ASSY. PART NUMBER 70720128-1

[illegible]

Honeywell

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-4

LIFE LIMITED PART CARD

PART NAME	Impeller Compressor 1st Stage
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PART NUMBER 3822346-1

SERIAL NUMBER	14-182449-13389
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ASSY. PART NUMBER 70720029-1

[illegible]

Honeywell

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-

LIFE LIMITED PART CARD

Rotor Assy. Turbine 2nd Stage

3842156-1

14-168522-09362

3842155-4

[illegible]

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-4

LIFE LIMITED PART CARD

Rotor Assy. Turbine 3rd Stage

N/A

15-156101-02915

3842160-6

[illegible]

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167-4

LIFE LIMITED PART CARD

Impeller Compressor 2nd Stage

3822347-1

1518244916790

3822341-5

[illegible]

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167

LIFE LIMITED PART CARD

Rotor Assy. Turbine 1st. Stage

3842152-1

14-168522-09254

3842151-3

[illegible]

Honeywell International Inc.
Engines & Systems
P.O. Box 52181
Phoenix, Arizona 85072-2181

AX6167..



Lufthansa Technik

Engine Shop Visit Documentation



Shop Findings Report

HGT1700
ESN: P-00135

**Customer:** Avolon Aerospace Leasing Ltd.**Date of report:** 27-Mar-2024**Operator:** Thai Airways International Ltd.**Event:** 603058**Aircraft registration:** HS-THQ**A/C Type:** A350-900**A/C MSN:** 226**Aircraft Series ID:** unknown**A/C ID:** unknown**Op. A/C internal ID:** unknown**Aircraft TT:** unknown**A/C TC:** unknown**APU PN:** 70720041-00**APU SN:** P-00135**APU Series:** 5**Date of removal:** 15-Jan-2024**AUN:** 78667753**Revision:** 603058**TSN:** 2800:29**TSI:** 368:57**TSR:** 368:57**CSN:** 1496**CSI:** 362**CSR:** 362**Customer removal reason:** Recertification

Removal reason confirmed? YES Hardware/software failure: HW Failure/Fault present? YES

Supplier removal type code: N/A Failure / fault induced by: N/A

Failed piece / part: N/A **Part number:** N/A **Serial number:** N/A

Geographic and/or electrical location: N/A

PRIMARY FINDINGS

No abnormal findings/ no excessive wear

ROOT CAUSE APU	N/A
KNOWN FAILURE MODE	N/A
INVESTIGATION REPORT	N/A
INCOMING TEST RUN	NO
CUSTOMER PRESENT	NO
PRELIMINARY FINDING REPORT	NO
ATTACHMENTS	NO

APU FAILURE / FINDINGS SUMMARY

APU was received for recertification.

During incoming inspection wooden transport box was found partially damaged. Cradle fixtures respectively mounts were not secured by safety pins. Few oil stains were noticed at aft section inside the Eductor Housing.

Also borescope inspection did not reveal any abnormal findings or excessive wear. APU was visually inspected. 6 o' clock EGT Thermocouple showed a malfunction during ATP run. Consequently, 6 o' clock EGT Thermocouple was replaced by new.

Eventually, full ATP run was performed successfully.

PREPARED**ISSUED****Dominik Wittemann**
Product & Design Engineer**Tristan Lietz**
Product & Design Engineer

HGT1700 Shop Findings Report



Lufthansa Technik

MODIFICATION STATUS REPORT

EVENT N°

603058

Doc Type	Document No.	Description	Rev / Issue	Modif. or Insp.	Status	Date
SBC	HGT1700-49-8156	REPL. AFT FRAME PN 70720138-3 WITH -4	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8157	REPL. LC SCROLL HOUSING PN 70720131-4 WITH -5	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8158	REPL. BEARING SUPPORT HOUSING PN 70720601-1 WITH -2	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8159	REMOVE AND REPLACE OIL TANK, PN 70720124-1 WITH PN 70721572-1	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8160	REPL. MID SUMP SCAV TUBE PN 70720282-2 WITH -3	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8181	REPL. LUBE JET ADAPTER PN 70720330-3 WITH -4	01	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8197	REPL. FASTENERS ON BLEED DUCT/ SCROLL INTERFACE	00	MOD	PERFORMED DURING PRODUCTION	
SBC	HGT1700-49-8238	REPL. IGNITER PLUG LEAD PN 3876132-15 WITH -16	01	MOD	OPEN	
SBC	HGT1700-49-8239	REPL. FIRE BLANKET BRACKET PN 70721729-1 WITH -2	01	MOD	OPEN	
SBC	HGT1700-49-8240	REMOVE EXHAUST CONE PN 70720140-2	00	MOD	PREVIOUSLY COMPLIED WITH	
SBC	HGT1700-49-8241	REPL. SPACERS, ADD BRACKETS AND CLAMPS	00	MOD	PERFORMED DURING FORMER SHOP EVENT	22-Jun-23
SBC	HGT1700-49-8317	REPL. SECOND STAGE NOZZLE ASSEMBLY PN 3844471-7 WITH -8	00	MOD	OPEN	
SBC	HGT1700-49-8322	REPL. OIL LEVEL SENSOR PN 70720171-1 WITH -2	00	MOD	OPEN	
SBC	HGT1700-49-8327	REPL. CLAMPS, BOLTS, SPACER, BRACKETS, RETAINER & TUBES	00	MOD	OPEN	
SBC	HGT1700-49-8354	REPL. BUFFER AIR TUBE PN 70720296-1 WITH PN 70724141-1 & PN 70720297-1 WITH PN 70724142-1	00	MOD	PERFORMED DURING FORMER SHOP EVENT	15-Jun-23



FINDINGS UPON ARRIVAL

General:

shipping container is a:	wood box
shipping container:	damaged, see picture 1
APU external condition:	no visible findings
engine mounts:	findings
engine rotation:	smooth
igniter unit:	no visible findings
engine harnesses:	no visible findings
insulation blankets:	no visible findings
missing external hardware	yes, refer to missing parts list (MPL)

Air System:

inlet path:	dirty
exhaust area:	coked
IGV mechanism:	normal operation
inlet plenum:	no visible findings
inlet screen:	no visible findings

Oil System:

oil tubes/manifolds condition:	no visible findings
oil cooler blockage (air side):	no
oil condition:	deteriorated appearance
oil filter (lube/engine) condition:	normal
oil filter (generator) condition:	normal
magnetic chip detector condition:	normal
mid. sump chip plug condition:	normal
aft. sump chip plug condition:	normal
generator fwd. chip plug condition:	normal
generator aft. chip plug condition:	normal
bearing oil drain port condition:	wet
gearbox vent:	wet

Fuel System:

fuel tubes/manifolds condition:	no visible findings
fuel filter:	no visible findings
fuel manifold seals:	no visible findings

INCOMING BORESCOPE FINDINGS

Combustor Chamber	no abnormal findings
Compressor Deswirl, EC Second Stage	no abnormal findings
Compressor Diffuser, EC First Stage	no abnormal findings
Compressor Diffuser, EC Second Stage	no abnormal findings
Compressor Diffuser, LC	no abnormal findings
Compressor Housing, EC Second Stage	no abnormal findings
Compressor Impeller Shroud, LC	no abnormal findings
Compressor Impeller, EC, First Stage	no abnormal findings
Compressor Impeller, EC, Second Stage	no abnormal findings
Compressor Impeller, LC	Stains of anti-icing fluid (serviceable)
Compressor Shroud, EC First Stage	no abnormal findings
Turbine Blade, First Stage	L/E eroded (serviceable)
Turbine Nozzle Assy, First Stage	no abnormal findings
Turbine Rotor Assy, Third Stage	no abnormal findings



APU SHOP VISIT HISTORY

Date of last shop visit: 12-Jun-2023
Findings / Work scope: No abnormal findings / Visual inspection of modules and LRUs
Revision N°: 687338
Aircraft: PR-XTA
Customer: A. J. Walter Aviation LTD
Removal Reason: Recertification
TSN / TSR: 2429:24:00 / 2429:24:00
CSN / CSR: 1131 / 1131

INCOMING FUNCTIONAL TEST RESULTS

APU was not pre-tested due to customer work scope.

PERFORMED WORK SCOPE

Perform always	Perform modifications acc. to page 2 of this report Perform ATP Run in accordance with Honeywell CMP 49-24-97 Perform necessary preservation for long time storage
-----------------------	--

LRUs	<input checked="" type="checkbox"/> Visual Inspection and Test at APU ATP Run	<input type="checkbox"/> Acc. to Work Scope Planning Guide	
	<input type="checkbox"/> Clean and inspect oil cooler		
	<input type="checkbox"/> Additional work scope notes LRU:		NO Warranty

Gearbox	<input checked="" type="checkbox"/> Interface Inspection (Light Repair*)	<input type="checkbox"/> Medium Repair*	<input type="checkbox"/> Heavy Repair*
	<input type="checkbox"/> Replace Air/Oil Separator Carbon Seal.		
	<input checked="" type="checkbox"/> Additional work scope notes Gearbox:		NO Warranty
	Module left in assembled condition as-is. Module and accessible parts visually inspected.		

Load Section	<input checked="" type="checkbox"/> Interface Inspection (Light Repair*)	<input type="checkbox"/> Medium Repair*	<input type="checkbox"/> Heavy Repair*
	<input type="checkbox"/> Replace Carbon Seal and Inspect/Replace Labyrinth Seals		
	<input type="checkbox"/> Replace Bearings		
	<input checked="" type="checkbox"/> Additional work scope notes Load Compressor Section:		NO Warranty
	Module left in assembled condition as-is. Module and accessible parts visually inspected.		

Power Section	<input checked="" type="checkbox"/> Interface Inspection (Light Repair*)	<input type="checkbox"/> Medium Repair*	<input type="checkbox"/> Heavy Repair*
	<input type="checkbox"/> Replace Carbon Seals and Inspect/Replace Labyrinth Seals		
	<input type="checkbox"/> Replace Bearings		
	<input checked="" type="checkbox"/> Additional work scope notes Power Section:		NO Warranty
	Module left in assembled condition as-is. Module and accessible parts visually inspected.		

*refer to HGT1700 Level II CMP ATA49-24-90

NOTE

This event is not covered by warranty due to the expiration of warranty coverage after 48 months from APU delivery or 6000 APU operating hours, whichever comes first.

HGT1700 Shop Findings Report



Lufthansa Technik

SHOP FINDINGS

EVENT N°

603058

Description	PN	Findings	Disposition	Time and Cycle Controlled Part Data	
				TT	TC

Gas Turbine Engine Assy

3-Way Pressure Module	3876337-1		not disassembled	2800:29	1496
Air Inlet Screen, Lower	not accessible		not disassembled		
Air Inlet Screen, Upper	not accessible		not disassembled		
Chip Detector	not accessible		not disassembled		
Data Memory Module	70720170-3		inspected	2800:29	1496
Duct, Bleed	not accessible		not disassembled		
Duct, Surge Air	not accessible		not disassembled		
EGT Thermocouple 11 oclock	70720273-1		not disassembled	2800:29	1496
EGT Thermocouple 6 oclock	70720273-1	Malfunction; Bench test failed	scrapped (1)	2800:29	1496
EGT Thermocouple 9 oclock	70720273-1		not disassembled	2800:29	1496
Fuel Control Unit	70720165-1		not disassembled	2800:29	1496
Fuel Manifold, Primary	70720300-1		not disassembled		
Fuel Manifold, Secondary	70720299-1		not disassembled		
Igniter Plug	70721452-1		inspected		
Ignition Exciter	3888058-8		not disassembled	2800:29	1496
IGV Actuator	3886188-3		not disassembled	2800:29	1496
Inlet Duct, Lower	not accessible		not disassembled		
Inlet Duct, Upper	not accessible		not disassembled		
Lead, Igniter Plug	3876132-15		not disassembled		
Motional Transducer (Speed Sensor)	3876212-2		not disassembled	2800:29	1496
Oil Cooler	70720249-1		not disassembled	2800:29	1496
Quill Shaft, Gearbox	not accessible		not disassembled		
Quill Shaft, Load Compressor	not accessible		not disassembled		
Starter Generator	70720176-3		not disassembled	2800:29	1496
Starter Generator Seal Plate	not accessible		not disassembled		
Switch, Low Fuel Pressure	3876187-4		not disassembled		
Valve, Bleed	70721870-1		not disassembled	2800:29	1496
Valve, Pressure Relief	968214-6		not disassembled		
Valve, Surge Control	3290814-6		not disassembled	2800:29	1496

Plumbing and Electrical Assy

Hose and Tube Assy, Fuel Drain FCU	not accessible		not disassembled		
Hose and Tube Assy, Fuel Return	not accessible		not disassembled		
Hose and Tube Assy, Fuel Supply	not accessible		not disassembled		
Hose and Tube Assy, Fuel Supply Primary	not accessible		not disassembled		
Hose and Tube Assy, Fuel Supply Secondary	not accessible		not disassembled		
Hose and Tube Assy, Oil Cooler Return	not accessible		not disassembled		
Hose and Tube Assy, Oil Cooler Supply	not accessible		not disassembled		
Tube, E/C Buffer Supply	not accessible		not disassembled		
Tube, L/C Buffer Supply	not accessible		not disassembled		

HGT1700 Shop Findings Report



Lufthansa Technik

SHOP FINDINGS

EVENT N°

603058

Description	PN	Findings	Disposition	Time and Cycle Controlled Part Data	
				TT	TC
Wiring Harness, E Route	70721537-1		not disassembled		
Wiring Harness, M Route	70721545-1		not disassembled		
Wiring Harness, S Route	70721544-1		not disassembled		
Power Section Assy					
Power Section Module	70720104-1		inspected	2800:29	1496
Aft Frame	not accessible		not disassembled		
Bearing Carrier, PS Aft Bearing	not accessible		not disassembled		
Bearing Retainer, Ball, PS	not accessible		not disassembled		
Bearing, Ball, PS	not accessible		not disassembled	2800:29	1496
Bearing, Roller, PS	3840130-1		not disassembled	2800:29	1496
Combustor Chamber	not accessible		not disassembled		
Combustor Chamber Housing	not accessible		not disassembled		
Compressor Case, EC	not accessible		not disassembled		
Compressor Deswirl, EC First Stage	not accessible		not disassembled		
Compressor Deswirl, EC Second Stage	not accessible		not disassembled		
Compressor Diffuser, EC First Stage	not accessible		not disassembled		
Compressor Diffuser, EC Second Stage	not accessible		not disassembled		
Compressor Housing, EC Second Stage	not accessible		not disassembled		
Compressor Seal Housing, EC	not accessible		not disassembled		
Compressor Shroud, EC First Stage	not accessible		not disassembled		
Containment Ring	not accessible		not disassembled		
Eductor Housing	not accessible		not disassembled		
Fuel Nozzle Assembly, Primary	70720322-4		not disassembled		
Fuel Nozzle Assembly, Secondary	70720323-3		not disassembled		
Fuel Nozzle Case	not accessible		not disassembled		
Fuel Nozzle, Primary 1	not accessible		not disassembled		
Fuel Nozzle, Primary 2	not accessible		not disassembled		
Fuel Nozzle, Primary 3	not accessible		not disassembled		
Fuel Nozzle, Primary 4	not accessible		not disassembled		
Fuel Nozzle, Primary 5	not accessible		not disassembled		
Fuel Nozzle, Primary 6	not accessible		not disassembled		
Fuel Nozzle, Primary 7	not accessible		not disassembled		
Fuel Nozzle, Secondary 1	not accessible		not disassembled		
Fuel Nozzle, Secondary 2	not accessible		not disassembled		
Fuel Nozzle, Secondary 3	not accessible		not disassembled		
Fuel Nozzle, Secondary 4	not accessible		not disassembled		
Fuel Nozzle, Secondary 5	not accessible		not disassembled		
Fuel Nozzle, Secondary 6	not accessible		not disassembled		
Fuel Nozzle, Secondary 7	not accessible		not disassembled		
Inlet Bellmouth, EC	not accessible		not disassembled		
Inlet Housing, EC	not accessible		not disassembled		

HGT1700 Shop Findings Report



Lufthansa Technik

SHOP FINDINGS

EVENT N°

603058

Description	PN	Findings	Disposition	Time and Cycle Controlled Part Data	
				TT	TC
Insulation Blanket (left)	not accessible		not disassembled		
Insulation Blanket (right)	not accessible		not disassembled		
Insulation Blanket (upper)	not accessible		not disassembled		
Insulation Blanket Assy (AFT)	not accessible		not disassembled		
Mount Bracket, Aft LH	not accessible		not disassembled		
Mount Bracket, Aft RH	not accessible		not disassembled		
Seal Assy, Ball Bearing, PS	not accessible		not disassembled		
Seal, Turbine	not accessible		not disassembled		
Turbine Nozzle Assy, First Stage	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 1	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 2	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 3	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 4	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 5	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 6	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 7	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 8	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 9	not accessible		not disassembled		
Turbine Nozzle, Segment First Stage 10	not accessible		not disassembled		
Turbine Shroud Segment, First Stage	not accessible		not disassembled		
Turbine Nozzle Support, First Stage	not accessible		not disassembled		
Turbine Nozzle Assy, Second Stage	not accessible		not disassembled		
Turbine Nozzle, Segment Second Stage 1	not accessible		not disassembled		
Turbine Nozzle, Segment Second Stage 2	not accessible		not disassembled		
Turbine Nozzle, Segment Second Stage 3	not accessible		not disassembled		
Turbine Nozzle, Segment Second Stage 4	not accessible		not disassembled		
Turbine Nozzle, Segment Second Stage 5	not accessible		not disassembled		
Turbine Nozzle, Seal Baffle Assy, Second Stage	not accessible		not disassembled		
Turbine Nozzle Assy, Third Stage	not accessible		not disassembled		
Power Section Rotating Group					
Compressor Impeller, EC, First Stage	70720029-1		not disassembled	2800:29	1496
Compressor Impeller, EC, Second Stage	3822341-5		not disassembled	2800:29	1496
Coupling, Seal, PS	not accessible		not disassembled		
Rotating Seal, EC	not accessible		not disassembled		
Rotating Seal, Turbine	not accessible		not disassembled		
Seal, Labyrinth, PS	not accessible		not disassembled		
Tie Shaft Assy, PS	not accessible		not disassembled		
Tie Shaft, PS	not accessible		not disassembled		
Coupling, Shaft, PS	not accessible		not disassembled		
Turbine Rotor Assy, First Stage	3842151-3		not disassembled	2800:29	1496

HGT1700 Shop Findings Report



Lufthansa Technik

SHOP FINDINGS

EVENT N°

603058

Description	PN	Findings	Disposition	Time and Cycle Controlled Part Data	
				TT	TC
Turbine Disk, First Stage	3842152-1		not disassembled	2800:29	1496
Turbine Disk Seal Plate, First Stage	not accessible		not disassembled		
Turbine Blade, First Stage	not accessible		not disassembled		
Turbine Rotor Assy, Second Stage	3842155-4		not disassembled	2800:29	1496
Turbine Disk, Second Stage	3842156-1		not disassembled	2800:29	1496
Turbine Disk Rotating Seal, Second Stage	not accessible		not disassembled		
Turbine Blade, Second Stage	not accessible		not disassembled		
Turbine Rotor Assy, Third Stage	3842160-6		not disassembled	2800:29	1496

Load Compressor Assy

Load Compressor Module	70720106-1		inspected	2800:29	1496
Bearing Carrier, LC Roller Bearing	not accessible		not disassembled		
Bearing Retainer, Ball, LC	not accessible		not disassembled		
Bearing Retainer, LC	not accessible		not disassembled		
Bearing Support Housing, LC	not accessible		not disassembled		
Bearing, Ball, LC	not accessible		not disassembled	2800:29	1496
Bearing, Roller, LC	3840228-2		not disassembled	2800:29	1496
Compressor Diffuser, LC	not accessible		not disassembled		
Compressor Impeller Shroud, LC	not accessible		not disassembled		
Gear, Ring, IGV	not accessible		not disassembled		
Gear, Sector	not accessible		not disassembled		
IGV Actuator Rod	not accessible		not disassembled		
Inlet Guide Vane Housing	not accessible		not disassembled		
Inlet Housing, LC	not accessible		not disassembled		
Mount Housing	not accessible		not disassembled		
Mount, Fwd LH	not accessible		not disassembled		
Mount, Fwd RH	not accessible		not disassembled		
Scroll Housing	not accessible		not disassembled		
Seal Assembly, Roller Bearing, LC	not accessible		not disassembled		
Seal Assy, Ball Bearing, LC	not accessible		not disassembled		
Vane, IGV, Dewhistler	not accessible		not disassembled		
Vane, IGV, Regular	not accessible		not disassembled		

Load Compressor Rotating Group

Rotating Group, Load Compressor Assembly	not accessible		not disassembled	2800:29	1496
Compressor Impeller, LC	70720128-1		not disassembled	2800:29	1496
Coupling, Seal, LC	not accessible		not disassembled		
Seal, Labyrinth, LC	not accessible		not disassembled		
Tie Shaft, LC	not accessible		not disassembled		

Gearbox Assy

HGT1700 Shop Findings Report



Lufthansa Technik

SHOP FINDINGS

EVENT N°

603058

Description	PN	Findings	Disposition	Time and Cycle Controlled Part Data	
				TT	TC
Gearbox Module	70720105-2		inspected	2800:29	1496
Air Oil Separator Rotor			not disassembled		
Bearing, Ball, Air/Oil Separator			not disassembled	2800:29	1496
Bearing, Ball, Lube Pump			not disassembled	2800:29	1496
Bearing, Roller, Generator Gear (aft)			not disassembled	2800:29	1496
Bearing, Roller, Generator Gear (fwd)			not disassembled	2800:29	1496
Bearing, Roller, High Speed Pinion (aft)			not disassembled	2800:29	1496
Bearing, Roller, High Speed Pinion (fwd)			not disassembled	2800:29	1496
Filter Module, Engine			not disassembled		
Filter Module, Generator			not disassembled		
Gear, Air/Oil Separator			not disassembled		
Gear, Generator			not disassembled		
Gear, High Speed Pinion			not disassembled		
Gear, Lube Pump			not disassembled		
Gearbox Housing - Matched Set			not disassembled		
Lube Jet Adapter			not disassembled		
Oil Fill Module Housing			not disassembled		
Oil Pickup Tube			not disassembled		
Oil Pump	70720141-1		not disassembled	2800:29	1496
Oil Tank			not disassembled		
Seal Adapter, Air/Oil Separator			not disassembled		
Seal, Air/Oil Separator			not disassembled		
Seal, Rotating, Air/Oil Separator			not disassembled		
Sensor, Oil Level	70720171-1		not disassembled		
Sensor, Oil Temp (Engine Filter)			not disassembled		
Sensor, Oil Temp (Generator Filter)			not disassembled		
Switch, Delta P (Engine Filter)			not disassembled		
Switch, Delta P (Generator Filter)			not disassembled		
Switch, Low Oil Pressure			not disassembled		
Thermostat			not disassembled		
Transfer Tube, Oil			not disassembled		
Valve, Pressure Regulator And Relief	70720175-1		not disassembled		
(1) Replacement					



INCOMING PICTURE 1

HGT1700A transport box during incoming inspection - Wooden box damaged



INCOMING PICTURE 2

HGT1700A with foil during incoming inspection (no findings)



INCOMING PICTURE 3

HGT1700A (70720041-00) - During incoming inspection



INCOMING PICTURE 4

HGT1700A (70720041-00) - Aft section with few oil stains (serviceable)



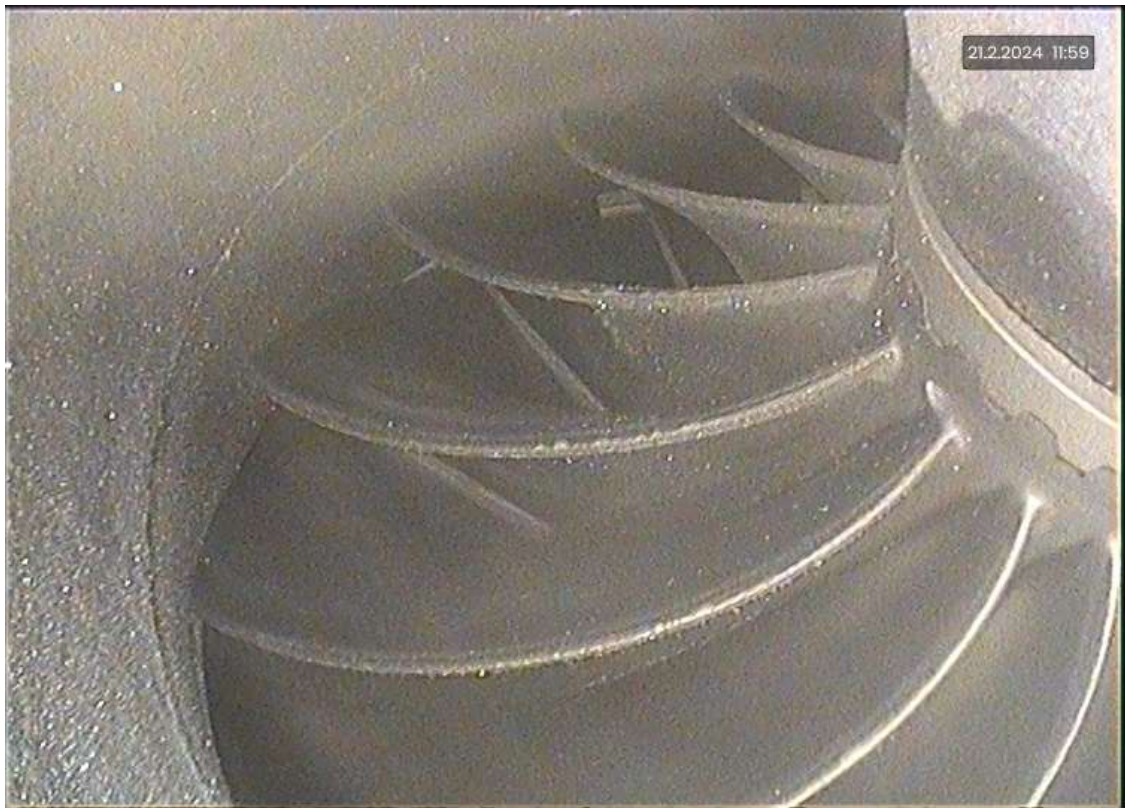
INCOMING PICTURE 5

HGT1700A Inlet Duct - No abnormal findings/ no excessive wear



INCOMING PICTURE 6

Cradle fixtures found without safety pins



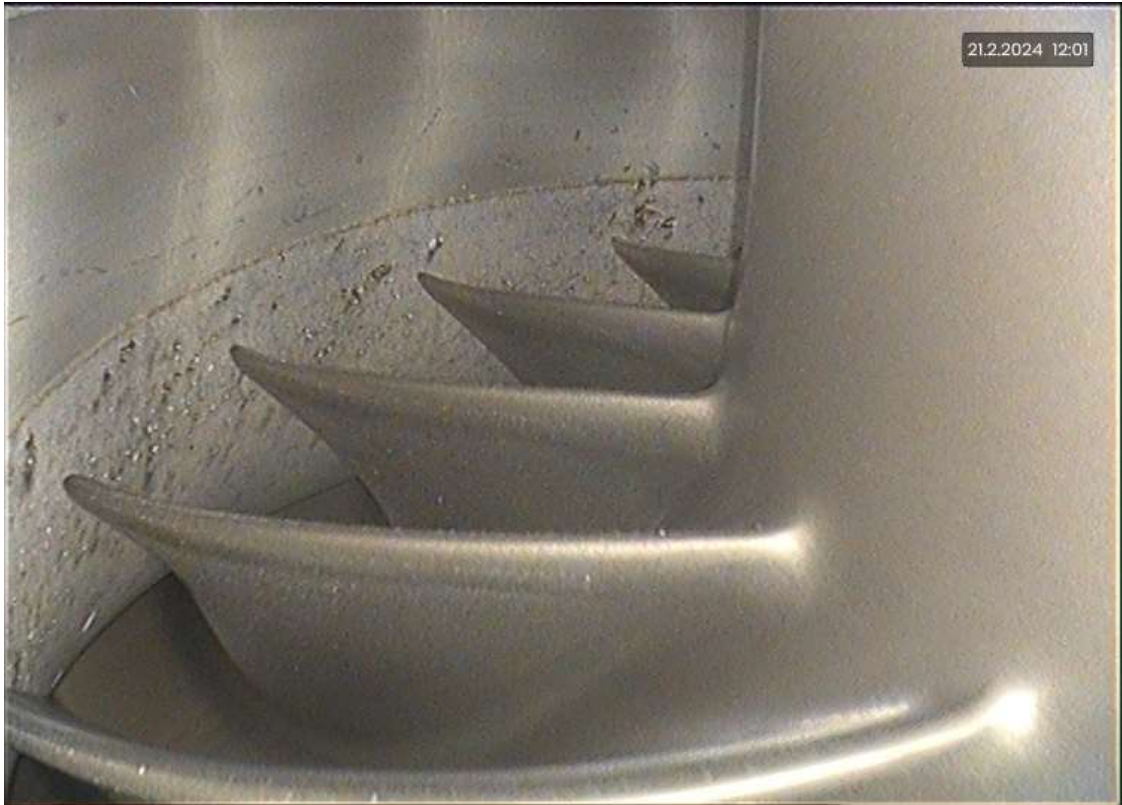
INCOMING BORESCOPE PICTURE 1

EC Impeller, First Stage (70720029-1) - No abnormal findings/ no excessive wear



INCOMING BORESCOPE PICTURE 2

EC Diffuser, First Stage (70720031-1) - No abnormal findings/ no excessive wear



INCOMING BORESCOPE PICTURE 3

EC Impeller, Second Stage (3822341-5) - No abnormal findings/ no excessive wear



INCOMING BORESCOPE PICTURE 4

EC Deswirl, Second Stage (70720036-1) - No abnormal findings/ no excessive wear



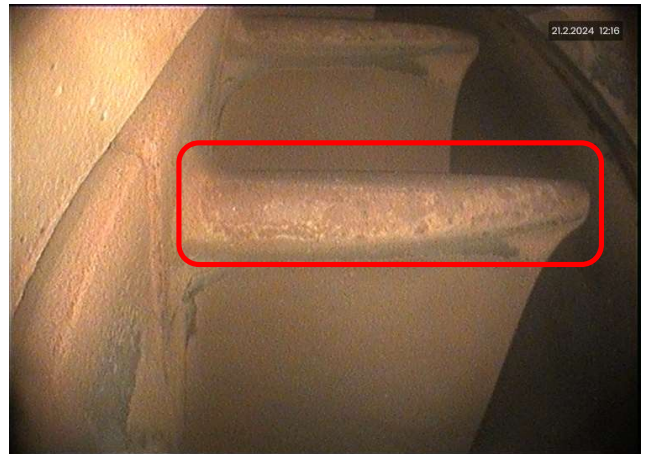
INCOMING BORESCOPE PICTURE 5

Combustion Chamber (70720182-2) - No abnormal findings/ no excessive wear



INCOMING BORESCOPE PICTURE 6

Turbine Nozzle Assembly, First Stage (3844622-8) - No abnormal findings/ no excessive wear



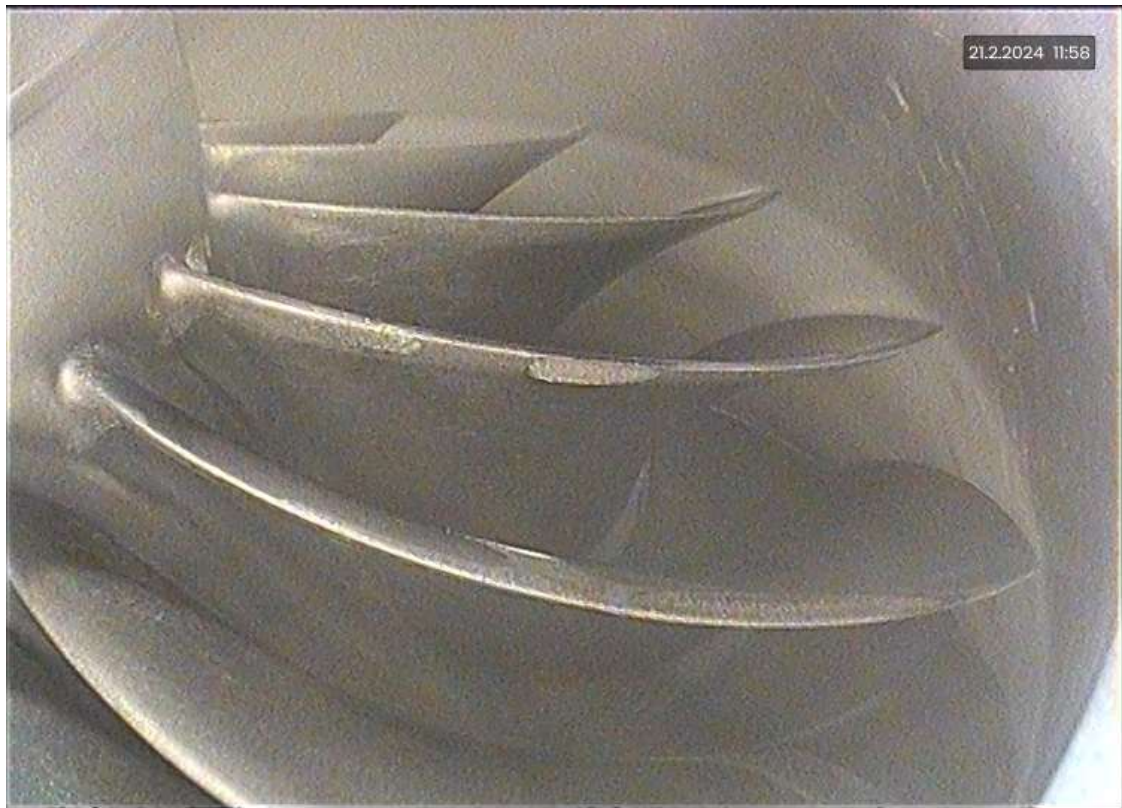
INCOMING BORESCOPE PICTURE 7

Turbine Rotor Assembly, First Stage (3842151-3) - Leading edge eroded (serviceable)



INCOMING BORESCOPE PICTURE 8

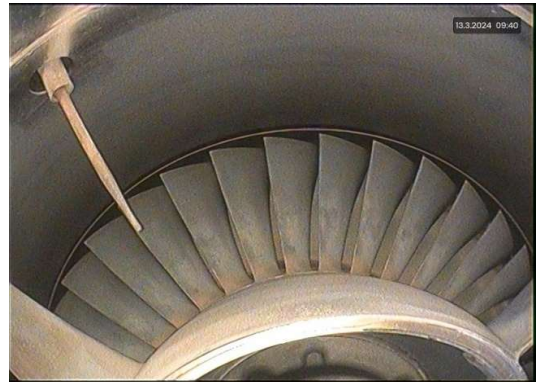
Inlet Guide Vanes (3827076-3 & 3827179-3) - No abnormal findings/ no excessive wear



INCOMING BORESCOPE PICTURE 9

Impeller, LC (70720128-1) - No abnormal findings/ no excessive wear (apparent blade damage is a reflection of anti-icing fluid)

INTENTIONALLY LEFT BLANK



OUTGOING BORESCOPE PICTURE 1

HGT1700A (70720041-00) - Aft section with Third Stage Turbine Rotor



OUTGOING BORESCOPE PICTURE 2

Inlet Guide Vanes (3827076-3 & 3827179-3) - No abnormal findings/ no excessive wear



OUTGOING BORESCOPE PICTURE 3

HGT1700A Inlet Duct - No abnormal findings/ no excessive wear



OUTGOING BORESCOPE PICTURE 4

EC Impeller, First Stage (70720029-1) - No abnormal findings/ no excessive wear

HGT1700 Shop Findings Report



Lufthansa Technik

INCOMING MISSING PARTS

EVENT N°

603058

Item	Nomenclature	Partnumber	QTY	Remarks
1	Ground Strap (lower)	680-526-9123:99193	1ea	missing incoming
2	Ground Strap (upper)	680-526-9113:99193	1ea	missing incoming



Lufthansa Technik

Engine Shop Visit Documentation



LLP release Certificate/BtoB

HGT1700
ESN: P-00135

NO LLP certificates this Shop Visit

No LLP was disassembled to piece part level, please also refer to shop finding report



Lufthansa Technik

Engine Shop Visit Documentation



Component Release Certificates

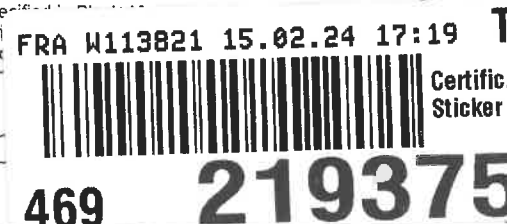
HGT1700

ESN: P-00135

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 20240014315934Y14 8012303308-80001	
4. Organization Name and Address: Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85034		Production Approval PT1222NM		Honeywell International Inc. Units 2-4, Chevron, Eaton Road Hemel Hempstead, HP2 7UB UNITED KINGDOM	
5. Work Order/Contract/Invoice Number: 45316313701 Page 1 of 1					
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status / Work:
001	THERMOCOUPLE, EXHAUST GAS TEMPERATURE	70720273-1	14	2415027700148 See Continuation	NEW
12. Remarks: AIRWORTHINESS APPROVAL. THIS THERMOCOUPLE, EXHAUST GAS TEMPERATURE - IS A SUBCOMPONENT OF A TSO AUTHORIZATION. DIRECT SHIPMENT AUTHORIZATION Block 10 Serial Number(s): (Continued): 2415027700147, 2415027700149, 2415027700137, 2415027700143, 2415027700146, 2415027700145, 2415027700139, 2415027700141, 2415027700140, 2415027700136, 2415027700144, 2415027700138, 2415027700142.					
<div style="border: 1px solid black; padding: 5px; float: right; width: 200px;">  LHT Certified True Copy Reference POWO: <u>70720273-1</u> I certify that this photocopy is a copy of the original document. Lufthansa Technik AG - Hamburg is supplying a quantity of: <u>1EA</u> of item or P/N: <u>70720273-1</u> Name: <u>Helmritz</u> Stamp: <u>729390</u> Date: <u>13.03.29</u> </div>					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, was accomplished in accordance with the applicable Regulations, part 43 and in respect to the applicable Regulations.		
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA-602216-NM		14b. Authorized Signature:	
13d. Name (Typed or Printed): Anthony Marzec		13e. Date (dd/mm/yyyy): 06/FEB/2024		14d. Name (Typed or Printed):	

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority 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.



Part Identification Tag



Lufthansa Technik

Removed from (A/C-tail-sign, Engine, NHA, etc.)
HGT1700A, P-00135, 603058

Stamp (Mechanic)
WILHELM, STEFAN

Date
05. Mrz 24

Part description / PNR
Data Memory Module / 70720170-3:99193

CCI-ID

Removed from position
Gas Turbine Engine Assy

SRN
70720170-30153

QTY
1

Reason for Removal

- ☒ Access
- ☐ Repair
- ☐ Troubleshooting
- ☐ Mod. / EO

In case of reliability monitoring

- ☐ 22 Complaint (Ref. On back page)
- ☐ 11 other reason

Action

- ☒ Serviceable after visual inspection
- ☐ Serviceable after maintenance according reference

Please specify No. _____

(For example: Fine / AUN-ARF / TLB / BLB / Maris etc.)

Stamp (Mechanic)

594593

Date
05. MRZ. 2024

Part Identification Tag



Lufthansa Technik

Removed from (A/C-tail-sign, Engine, NHA, etc.)

HGT1700A, P-00135, 603058

Stamp (Mechanic)

WILHELM, STEFAN

Date

05. Mrz 24

Part description / PNR

Gearbox Module / 70720105-2:99193

CCI-ID

Removed from position

Gearbox Assy

SRN

LA062147

QTY

1

Reason for Removal

☒ Access

☐ Repair

☐ Troubleshooting

☐ Mod. / EO

In case of reliability monitoring

☐ 22 Complaint (Ref. On back page)

☐ 11 other reason

Action

☒ Serviceable after visual inspection

☐ Serviceable after maintenance according reference

Please specify No. _____

(For example: Fine / AUN-ARF / TLB / BLB / Maris etc.)

Stamp (Mechanic)

594593

Date

05. MRZ. 2024

Part Identification Tag



Lufthansa Technik

Removed from (A/C-tail-sign, Engine, NHA, etc.)

HGT1700A, P-00135, 603058

Stamp (Mechanic)

WILHELM, STEFAN

Date

04. Mrz 24

Part description / PNR

Load Compressor Module / 70720106-1:99193

CCI-ID

Removed from position

Load Compressor Assy

SRN

LA062146

QTY

1

Reason for Removal

☒ Access

☐ Repair

☐ Troubleshooting

☐ Mod. / EO

In case of reliability monitoring

☐ 22 Complaint (Ref. On back page)

☐ 11 other reason

Action

☒ Serviceable after visual inspection

☐ Serviceable after maintenance according reference

Please specify No. _____

(For example: Fine / AUN-ARF / TLB / BLB / Maris etc.)

Stamp (Mechanic)

594593

Date

04. MRZ. 2024

Part Identification Tag



Lufthansa Technik

Removed from (A/C-tail-sign, Engine, NHA, etc.)
HGT1700A, P-00135, 603058

Stamp (Mechanic)
WILHELM, STEFAN

Date
04. Mrz 24

Part description / PNR
Power Section Module / 70720104-1:99193

CCI-ID

Removed from position
Power Section Assy

SRN
LA062148

QTY
1

Reason for Removal

- ☒ Access
- ☐ Repair
- ☐ Troubleshooting
- ☐ Mod. / EO

In case of reliability monitoring

- ☐ 22 Complaint (Ref. On back page)
- ☐ 11 other reason

Action

- ☒ Serviceable after visual inspection
- ☐ Serviceable after maintenance according reference

Please specify No. _____

(For example: Fine / AUN-ARF / TLB / BLB / Maris etc.)

Stamp (Mechanic)

594593

Date
04. MRZ. 2024

Part Identification Tag



Lufthansa Technik

Removed from (A/C-tail-sign, Engine, NHA, etc.)

HGT1700A, P-00135, 603058

Stamp (Mechanic)

WILHELM, STEFAN

Date

06. Mrz 24

Part description / PNR

Igniter Plug / 70721452-1:99193

CCI-ID

Removed from position

Gas Turbine Engine Assy

SRN

N/A

QTY

1

Reason for Removal

☒ Access

☐ Repair

☐ Troubleshooting

☐ Mod. / EO

In case of reliability monitoring

☐ 22 Complaint (Ref. On back page)

☐ 11 other reason

Action

☒ Serviceable after visual inspection

☐ Serviceable after maintenance according reference

Please specify No. _____

(For example: Fine / AUN-ARF / TLB / BLB / Maris etc.)

Stamp (Mechanic)

594593

Date

06. MRZ. 2024