



## Shop Visit History Report

IIN: Z3312		Serial Number: 1618244923700				Part Number: 3822341-5							
Item No	Part No	Part TSN	Part CSN	Part TSO	Part CSO	Part TSR	Part CSR	FitmenV Removal	Date	Parent Serial Number	Parent TSN	Parent CSN	Visit Remarks
	3822341-5	0	0	0	0	0	0	FITMENT	17-Oct-2017	P2273	7184	4819	NEW-ARC 9001544725-80005

\*\*\* End Of Report\*\*\*



### Shop Visit History Report

IIN: 20000

Serial Number: P2273

Part Number : 3800550-1

Item No	Part No	Part TSN	Part CSN	Part TSO	Part CSO	Fitment/ Removal	Date	A/C Regn	Position	TSN	CSN	Visit No.	Visit Remarks
1	3800550-1	0	0	0	0	FITMENT	28-Jun-2013	SWU	APU	0	0	20131009001	
2	3800550-1	7184	4819	7184	4819	REMOVAL	16-Sep-2017	SWU	APU	19991	2377	20171101001	OVERHAUL
3	3800550-1	7184	4819	0	0	FITMENT	17-Oct-2017	-		0	0	20171101001	OVERHAULED BY HONEYWELL W/O 5011527375
4	3800550-1	7186	4825	2	6	REMOVAL	17-Oct-2017	-		2	6	20171101002	DMM HRS/CYCS RELEASED AFTER APU FINAL TESTING
5	3800550-1	7186	4825	2	6	FITMENT	15-Nov-2017	SNB	APU	11340	1341	20171101002	-

\*\*\* End Of Report\*\*\*



1. Approving Civil Aviation Authority/Country: <b>FAA/United States</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>			3. Form Tracking Number: 20170003733110Y14 9001544725-80005	
4. Organization Name and Address: Honeywell International Inc. 111 S. 34th Street Phoenix, Arizona 85072		Production Approval PT1222NM		Honeywell International Inc. Units 2-4, Chevron, Eaton Road Hemel Hempstead, HP2 7UB UNITED KINGDOM		
5. Work Order/Contract/Invoice Number: 4705219014-000010 Page 1 of 1						
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/	
001	IMPELLER, COMPRESSOR, SECOND STAGE	3822341-5		1618244923700	Work: NEW	
12. Remarks: AIRWORTHINESS APPROVAL. THIS IMPELLER, COMPRESSOR, SECOND STAGE IS A SUBCOMPONENT OF A TSO AUTHORIZATION.						
13a. Certifies the items identified above were manufactured in conformity to:  181 Approved design data and are in a condition for safe operation. O Non-approved design data specified in Block 12.			Other regulation specified in Block 12  Certifies that un otherwise specified in Block 12, the work identified in 81 and described in Block 12 w. completed in accordance with Title 14 e of Federal Regulations, part 43 and in resp that work, the items -oved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:  ODA-602216-NM	14b. Authorized Signature:		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): Aggrey Kanyanga		13e. Date (dd/mm/yyyy): 05/OCT/2017	14d. Name (Typed or Printed): -----		14e. Date ( ): -----	
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 maintenance records and/or article(s) installed on airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation						

## PART NUMBER:

PX-3107-76C

## GTCP 331--500[8] PERFORMANCE DATA SHEET

NOTIFICATION NUMBER		330005518		SERVICE ORDER :		5011527375	
APUMODEL		GTCP331-500[3]		PART NUMBER :		380 0550-1	
OPERATION TEXT		LAB TEST		MANUAL		EM 49-26-57	
OPERATION NO		0220		REVISION		20	

QUANTITY		UNITS	NO LOAD	103°F ECS MODE	103°F MES MODE
BAROMETRIC PRESSURE		PSIA	14.59	14.59	14.59
FUEL INLET PRESSURE		PSIG	25.5	20.8	20.3
OIL PUFFY1P DISCHARGE PRESSURE		PSIG	64.6	63.5	63.4
OIL PUMP DISCHARGE TEMPERATURE		°F	160	163	162
GEARBOX PRESSURE		PSIA	14.96	14.89	14.86
COMPRESSOR INLET TEMPERATURE MEASURED		°F	96.5	99.2	98.5
APU INLET TEMPERATURE (T2) (ARINC)		°F	101.5	103.7	101.8
TURBINE DISCHARGE TEMPERATURE (UNIT RAKES)	UPPER (EGT 1)	°F	717.4	1063.9	1087.6
	LOWER (EGT 2):	°F	725.3	1076.7	1112.1
EXHAUST GAS TOTAL TEMPERATURE (LA)	MEASURED	°F		1075.6	1103.4
	CORRECTED	°F		1100.6	1097.3
ORIFICE INLET AIR PRESSURE		"Hg		75.6	86.5
ORIFICE INLET TEMPERATURE		°F		410.5	420.1
ORIFICE DELTA PRESSURE		"H2O		59.92	24.48
IGV POSITION.. (IGVPOS)		DEGREES		12.5	5.0
IGV PERFORMANCE ADJ (IGVPERADJ)		DEGREES		5.0	
BLEED AIRFLOW	ACTUAL	LBS/MIN		474.86	320.04
	CORRECTED	LBS/MIN		470.8	299.2
RESTRICTED AIRFLOW (DISC. CORR. FLOW)		LBS/MIN		166.88	106.02
BLEED AIR TOTAL PRESSURE	INDICATED	PSIA		54.5	58.2
	CORRECTED	PSIA		54.2	54.3
BLEED AIR TOTAL TEMPERATURE	INDICATED	°F		420.7	430.9
	CORRECTED	°F		424.6	427.7
UNIT VIBRATION	ACCESSORY	IN/SEC	0.23	0.14	0.15
	TURBINE	IN/SEC	0.34	0.36	0.39
TURBINE WHEEL SPEED		RPM	39041	39041	39038
SHAFT LOAD	APPLIED	SHp		179.3	179.4
	CORRECTED	SHp		180.7	180.7
FUEL CONSUMPTION	INDICATED	LBS/HR	336.8	626	653
	CORRECTED	LBS/HR		628.00	627.24

TEST TECHNICIAN



Stamp &amp; Sign

16-Oct-2017

QUALITY CONTROL



Stamp &amp; Sign

12 OCT 2017

TURBINE ACCEPTANCE TAG ,AJIIQ\_ TRACEABILITY INPUT LIFE LIMITED PARTS RECORD/TRACE INPUT PAGE

PART NO: 3800550-1

MODEL: GTCP331-5008

S/O NO: 5011527375

SERIAL NO: P-2273

SERIES: 62

TSN: 7184:03

TSR: NA

TSO: 0:00

CUSTOMER: SINGAPORE AIRLINES LTD

DATE: 17-Oct-17

CSN: 4819

CSR: NA

CSO: 0

.-NOTIFICATION NO: 330005518

DESCRIPTION	PART NO	SERIAL NO	LOT NO	TSN	CSN	LIFE LIMITS /CYCLES\	REMARKS
D/COMP IMPELLER	3822612-1	13-182449-081 88		7184:03	4819	27000	OVERHAULED
IST STG IMPELLER	3822611-1	13-182449-08502		7184:03	4819	27000	OVERHAULED
2ND STG IMPELLER	3822341-5	1618244923700		00	00	27000	NEW
I ST T-WHEEL ASSY	3842151-3	12-168522-01537					OVERHAULED
DISKPART NO	3842152-1		-	7184:03	4819	27000	
2ND T-WHEEL ASSY	3842155-4	12-168522-01912					OVERHAULED
DISK PART NO	3842156-1		-	7184:03	4819	27000	
3RD T-WHEEL ASSY	3842160-6	12-156101-09303	-	7184:03	4819	27000	OVERHAULED

APU ACCESSORIES RECORD/NOG

DESCRIPTION	PART NO.	SERIAL NO.	SERIES	CHG NOS	REMARKS
STARTERCTRL VLV	3283076-5	1578	1	-	REPAIRED
AIR TURB STARTER	3505814-3	1541	1	-	OVERHAULED UNIT TRANSFERRED FROM SINGAPORE AIRLINES LTD APU S/N: P-2290
STARTER MOTOR	2704442-5	1234	2	-	OVERHAULED
FUEL CLUSTER	3879008-1	CUA11725	-	-	VISUAL INSPECTED/ TESTED
IGV ACTUATOR	3883499-3	1552	-	-	VISUAL INSPECTED/ TESTED
PNEU CLUSTER	3884863-7	P-1525	1	-	REPAIRED
CHECK VALVE	3202854-1	1401	1	-	REPAIRED
SURGE CTRL VALVE	3290814-5	3290814/888	1	-	OVERHAULED
LUBE CLUSTER	4131000-6	1668	2	-	REPAIRED
AIR OIL COOLER	160488-2	1664	2	-	CLEANED & FLUSHED/ VISUAL INSPECTED/ TESTED
TEMP CTRL VALVE	160536-1	1508	2	-	VISUAL INSPECTED / TESTED
IGNITION UNIT	3876195-9	J17340052	-	-	NEW
IGNITION SYS ASSY	3888275-10	-	.	-	REPAIRED (ALTERNATE OUTGOING S/N:J17340052)
G/BOXASSY	3805034-11	P-1401	-	-	MODIFIED/ REPAIRED
DRIVEN COMP	3804011-10	P-1398	-	-	OVERHAULED
COMP MODULE	3826980-13	P-1394	-	-	OVERHAULED
TURBMODULE	3844517-7	P-1393	-	-	OVERHAULED
OIL LEVEL SENSOR	3876211-3	-	.	-	VISUAL INSPECTED/ TESTED (ALTERNATE OUI GOING S/N: 97424-DT1471)
DMM	304643-2	GE12119	1	-	VISUAL INSPECTED

REMARKS: APU HOURS AND CYCLES ARE BASED AT THE POINT OF ASSEMBLY AND OBTAINED FROM THE DMM.

INSPECTOR SIGNATURE & STAMP: \_\_\_\_\_

FORM: GTCP331-5008-G16-R.7 (ddmmyy 290615)

## Available hours/cycles for APU life limited parts

## APU Description

AUXILIARY POWER UNIT

## Part Number

3800550-1

## Serial number

P2273

## IIN

Z0000

## Aircraft Reg

## Position

## Date Installed

17-Oct-2017

## TSN / CSN

7184/4819

## TSLV / CSLV

0/0

## Remarks

OVERHAULED BY HONEYWELL W/O 5011527375

Item No	ATA Chapter	Position	IIN	Part Number	Part Description	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Available Hours	Cycles
	49-00-00		Z0000	3800550-1	AUXILIARY POWER UNIT	P2273	0	0	7184	4819	NA	NA
2	49-23-00		Z3311	3822611-1	IMPELLER COMPRESSOR 1ST STAGE	13-182449-08502		27000•	7184	4819		22181
3	49-23-00		Z3312	3822341-5	IMPELLER, COMPRESSOR 2ND STG	1618244923700		27000•	0	0		27000
4	49-23-00		Z3313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188		27000•	7184	4819		22181
5	49-25-00		Z3511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		21000•	7184	4819		22181
6	49-25-00		Z3512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000•	7184	4819		22181
7	49-25-00		Z3513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000•	7184	4819		22181

\*\*\* End Of Report\*\*\*



Note : #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

•• - Life Calculation on Revised Life Limit •• - Life Calculation on Soft Life Limit • - Life Calculation on Hard Life Limit

APU shop visit on log report

Part Number 3800550-1  
 IIN 70000  
 TSN / CSN 7184 / 4819  
 Aircraft Regn  
 Date fitted 17-Oct-2017  
 Date Removed  
 Serial Number P2273  
 Position  
 TSLV / CSLV - / -  
 Owner SIA  
 Visit Number 20171101001  
 Visit Reason OVERHAULED BY HONEYWELL W/O 5011527375  
 Description AUXILIARY POWER UNIT  
 TSO/CSO 0/0  
 Job Number HW-5011527375

Item No	IIN	ATA Chapter	Part Description	Position	Part No	Serial No	TSN/CSN	TSO / CSO	(SL) Available (HL) Hrs/ Cyc	Hrs/ Cyc	Remarks
	23311	49-23-00	IMPELLER COMPRESSOR 1ST STAGE		3822611-1	13-182449-08502	7184 / 4819	01 / 0			/ 22181
2	233j2	49-23-00	IMPELLER, COMPRESSOR 2ND STG		3822341-5	1618244923700	7184 / 4819	01 / 0			/ 27000
3	23313	49-23-00	IMPELLER COMPRESSOR LOAD		3822612-1	13-182449-08188	7184 / 4819	01 / 0			/ 22181
4	23511	49-25-C0	ROTOR ASSEMBLY, 1ST STAGE		3842151-3	12-168522-01537	7184 / 4819	01 / 0			/ 22181
5	23512	49-25-C0	ROTOR ASSEMBLY, 2ND STAGE		3842155-4	12-168522-01912	7184 / 4819	0 / 0			/ 22181
6	23513	49-25-C0	ROTOR ASSEMBLY, 3RD STAGE		3842160-6	12-156101-09303	7184 / 4819	0 / 0			/ 22181

(\*) - Revised Life Limit

\*\*\* End Of Report\*\*\*





## Available hours/cycles for APU life limited parts

## APU Description

AUXILIARY POWER UNIT

## Part Number

3800550-1

Serial number

P2273

IIN

Z0000

## Aircraft Reg

SNB

Position

APU

Date Installed

15-Nov-2017

## TSN / CSN

10878 / 7124

TSLV / CSLV

3694 / 2305

## Remarks

AT REMOVAL DATED 23NOV2019

Item No	ATA Chapter	Position	IIN	Part Number	Part Description	Serial Number	TSO# LL(HR)	CSO# LL(CYC)	TSN	CSN	Available Hours	Cycles
	49-00-00	APU	20000	3800550-1	AUXILIARY POWER UNIT	P2273	3694	2305	10878	7124	NA	NA
2	49-23-00		23311	3822611-1	IMPELLER COMPRESSOR 1ST STAGE	13-182449-08502		27000'	10878	7124		19876
3	49-23-00		23312	3822341-5	IMPELLER, COMPRESSOR 2ND STG	1618244923700		27000'	3694	2305		24695
4	49-23-00		23313	3822612-1	IMPELLER COMPRESSOR LOAD	13-182449-08188		27000'	10878	7124		19876
5	49-25-00		23511	3842151-3	ROTOR ASSEMBLY, 1ST STAGE	12-168522-01537		27000.	10878	7124		19876
6	49-25-00		23512	3842155-4	ROTOR ASSEMBLY, 2ND STAGE	12-168522-01912		27000'	10878	7124		19876
7	49-25-00		23513	3842160-6	ROTOR ASSEMBLY, 3RD STAGE	12-156101-09303		27000'	10878	7124		19876

\*\*\* End Of Report\*\*\*



Note: #-TSO/CSO only applicable to Module and Non-Life Limited Parts.

\*- Life Calculation on Revised Life Limit \*\* - Life Calculation on Soft Life Limit \*- Life Calculation on Hard Life Limit