



BORESCOPE INSPECTION REPORT

PART:	Turbo Prop Eng.	MFR:	P&WC	TSN HRS:	820.56	WO:	SPRING 2019
TYPE:	PT6A-67P	S/N:	PCE-RY0754	CSN:	682	A/C LDG:	682
A/C TYPE:	PC12/47E	A/C MSN:	1702	A/C HRS:	820.56	REG:	HB-FWC

NOTE

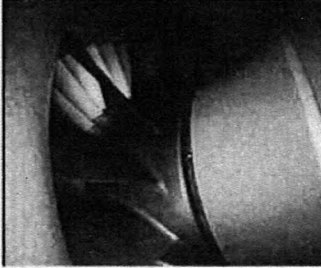
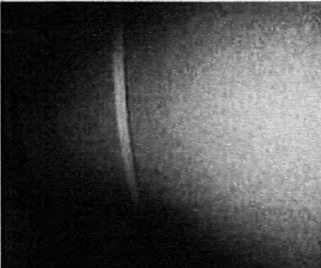


CAUTION : Make sure Engine Temperature is below 60° C (140° F)

Remove / Install fuel manifold adapter as necessary (Ref. 73-11-05, Inspection/Check).
Borescope Inspection, performed i.a.w. EMM NO: 30

Prescriptions

Observations

Results

1	Inspection of air inlet casing and first compressor blades.	In serviceable condition.	
2	Inspection of air inlet casing.	In serviceable condition.	
3	Inspection of air inlet casing.	In serviceable condition.	
4	Identification plate.	In serviceable condition.	



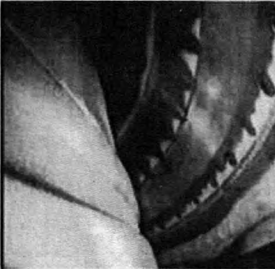
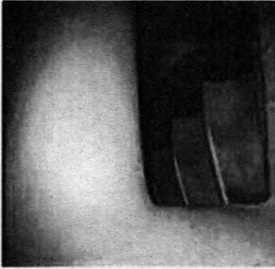


BORESCOPE INSPECTION REPORT

PART:	Turbo Prop Eng.	MFR:	P&WC	TSN HRS:	820.56	W/O:	SPRING 2019
TYPE:	PT6A-67P	S/N:	PCE-RY0754	CSN:	682	A/C LDG:	682
A/C TYPE:	PC12/47E	A/C MSN:	1702	A/C HRS:	820.56	REG:	HB-FWC

Prescriptions

Observations

Results

5	Inspection of Combustion Chamber Liner .	In serviceable condition	
6	Inspection of CT Stator Assembly	In serviceable condition.	
7	Inspection of CT Blades and Shroud Segments	In serviceable condition.	
8	Inspection of PT Blades	In serviceable condition.	

Thevenon Gaëtan RUAG

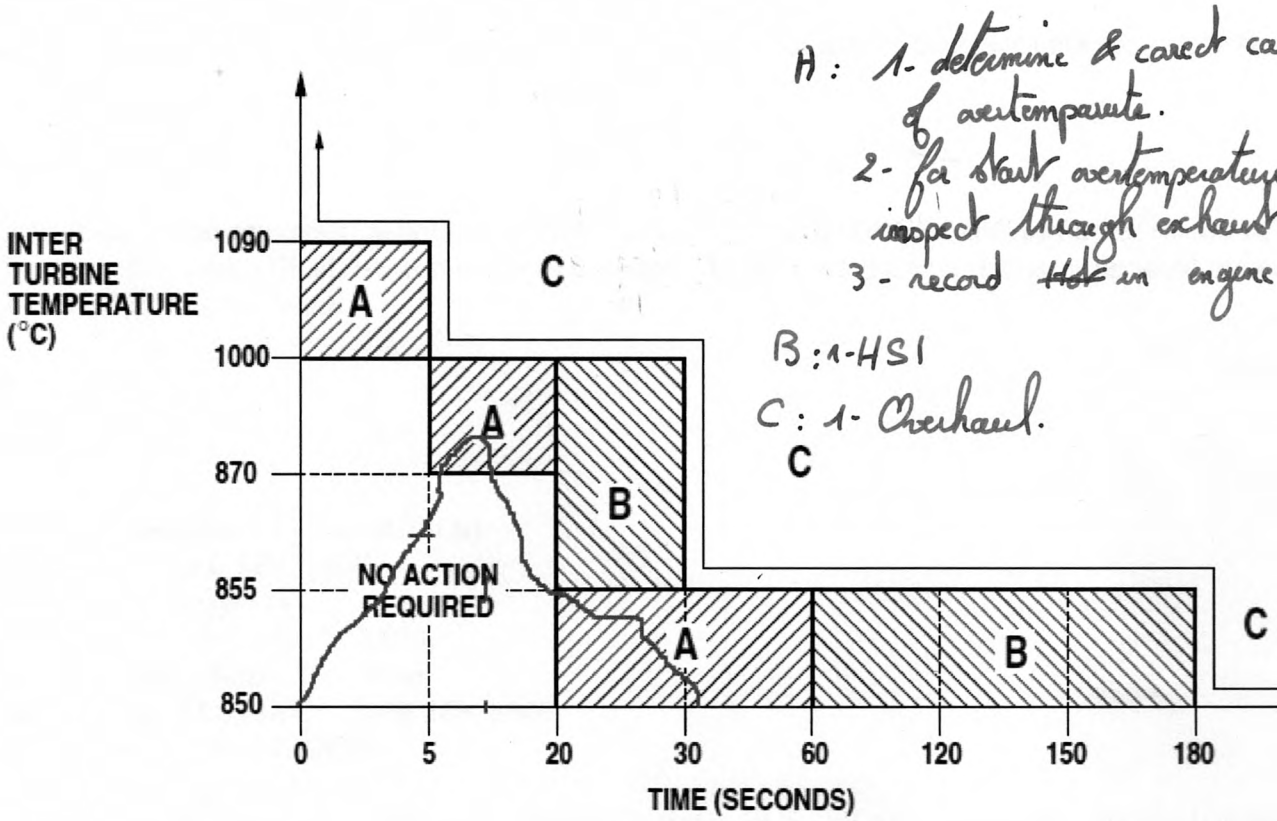
From: Tsachiridis, Paul PWC <Paul.Tsachiridis@pwc.ca>
Sent: lundi 15 juillet 2019 22:04
To: GP PWC CRM Inbox; Thevenon Gaëtan RUAG
Cc: _RA_CSE_GEN; Duport Thierry RUAG; Duport Thierry RUAG; Hardy, Douglas PWC
Subject: RE: A new Download: PC12/47E, SN: 1702 , HB-FWC, ITT EXCEDENCE PWC-124 CRM:07537002277
Attachments: 1702_1.xlsx

Hello Gaetan,

I have provided the compressed ACMS files you sent us to Pilatus support and they have extracted the informat and provided the attached.

The ITT excursion, which was 1 event lasting 35 seconds. This is highlighted in the attached excel file between lin 54 and 88, and is in 1 second increments.

When mapped out on the ITT chart from our EMM, it falls in Area A. This was a close call but did not officially go area B. For your reference, the red line in the chart below shows how the ITT excursion occurred (hand drawn) Once Area A requirements are completed, and the engine may continue operation.



(PT6A-67P)

Best Regards,

Paul Tsachiridis

Technical Specialist

PT6A Customer Engineering | Pratt & Whitney Canada Corp.

1000 Marie-Victorin (01TS4), Longueuil, Quebec, Canada, J4G 1A1

| Email: paul.tsachiridis@pwc.ca

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USA & Canada : 1-800-268-8000

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From: CFirst [mailto:cfirst@pwc.ca]

Sent: 15 Jul 2019 9:46 AM

To: Gaëtan Thevenon <gaetan.thevenon@ruag.com>

Cc: cse.gen.aviation@ruag.com; Tsachiridis, Paul PWC <Paul.Tsachiridis@pwc.ca>; Thierry Duport <thierry.duport@ruag.com>; Thierry Duport <Thierry.Duport@ruag.com>

Subject: RE: A new Download: PC12/47E, SN: 1702 , HB-FWC, ITT EXCEDENCE PWC-124848 CRM:07537002277

Dear Gaëtan Thevenon ,

As per our telephone conversation with our PT6A Customer Engineer (copied above) further review of the data is required and we will advise as quickly as possible. Thanks for helping us better understand the event and the data that was provided.

Regards

Alain Boutet

P&WC Customer First Centre (CFirst)

24-HOUR GLOBAL SERVICE

E-MAIL: CFirst@pwc.ca

GLOBAL (+Canada) (450) 647-8000

USA & CANADA: 1-800-268- 8000

INTERNATIONAL (+IAC*) 8000-268- 8000

FAX (+Canada) (450) 647-2888

WEB SITE: www.pwc.ca (link)

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----- Original Message -----

From: Gaëtan Thevenon

Received: Mon Jul 15 08:13:44 EDT 2019

To: CFirst; Request - CFirst

Cc: cse.gen.aviation@ruag.com; Thierry Duport; Thierry Duport

Subject: A new Download: PC12/47E, SN: 1702 , HB-FWC, ITT EXCEDENCE PWC-124848 CRM:0753700227

Dear Jimmy,

From CAMP system, I have these information :

- TTSN : 909:48
- TCSN : 757

When we can expect to have the analysis, the customer had a flight this afternoon,

Please let me know if you need more details,

Best regards,

Gaëtan Thevenon

Customer Service (Support) Engineer

RUAG Schweiz AG

RUAG Aviation

Aircraft Services Geneva

1215 Geneva Airport · Switzerland

Tel. +41 79 799 92 65

Mobile +41 79 799 92 65

Gaetan.Thevenon@ruag.com

<http://www.ruag.com>

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From: CFirst [<mailto:cfirst@pwc.ca>]

Sent: lundi 15 juillet 2019 12:03

To: Thevenon Gaëtan RUAG

Subject: RE: A new Download: PC12/47E, SN: 1702 , HB-FWC, ITT EXCEDENCE PWC-124848 CRM:0753700

Dear Gaetan,

Ref Case: PWC-124848-R0H4

Please provide engine TTSN and TCSN.

If you have any question, please do not hesitate to contact us at CFirst.

Thank you.

Regards,

Jimmy Soh

P&WC Customer First Centre (CFirst)
24-HOUR GLOBAL SERVICE
E-MAIL: CFirst@pwc.ca
GLOBAL (+Canada) (450) 647-8000 Error! Filename not specified.
USA & CANADA: 1-800-268- 8000
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----- Original Message -----

From: dasdex@dasprivacy.com
Received: Mon Jul 15 2019 17:03:48 GMT+0800 (Singapore Standard Time)
To: CFirst; Request - CFirst
Subject: A new Download: PC12/47E, SN: 1702 , HB-FWC, ITT EXCEDENCE

Dear recipient

You sent some file(s) via (RUAG SDE Secure File Transfer) to Thierry.Duport@ruag.com,
Aurelien.Condamin@ruag.com

Custom Message:

Dear Pratt&Whitney Team,

We actually have in our hangar a PC-12/47E, SN 1702, HB-FWC,

Could you please check and confirm an ITT exceedance on the engine, and for how many times this ITT appeared,

Many thanks in advance,

Please don't hesitate to contact me if you need more details or information,

Best regards,

Gaëtan Thevenon
Customer Service (Support) Engineer

RUAG Schweiz AG
RUAG Aviation
Aircraft Services Geneva
1215 Geneva Airport · Switzerland

Tel. +41 79 799 92 65
Mobile +41 79 799 92 65
Gaetan.Thevenon@ruag.com

<http://www.ruag.com>

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You will need the following key to download and decrypt the file/s:
28837a8dd381

Click the link/s to download the file/s:

- [Download FHDB_PC12_LDI_10_11_02_0461702_20190715083249.zip](#)
- [Download ACMF_0461702_20190715081454.zip](#)

The file/s will be automatically get deleted on 2019-07-22 11:03:31

Best regards
cfirst@pwc.ca

For questions you may call our support:

IT Solution Center
RUAG Corporate Services AG
Uttigenstrasse 36
CH-3602 Thun

Phone: +41 33 228 28 24

Fax: +41 33 228 23 25

[mailto: it-solutioncenter@ruag.com](mailto:it-solutioncenter@ruag.com)

<http://www.ruag.com>

We are available by phone from Monday till Friday between 07:00am to 05:00pm.

For urgent disturbances / problems contact IT Solution Center by phone. Other disturbances / problems notify any time by email. IT Solution Center will contact you.

Signature

AI
ACA
SCA**Certificate of Release to Service****Together
ahead. RUAG**Work Report Ref: **331738**

Aircraft Type	PC-12/47E	A/C Location	GENEVA
Aircraft Registration	HB-FWC	Aircraft Hours	916:09
Aircraft S/N	1702	Aircraft Cycles	764

Engine 1: Type	PT6A-67P	S/N	PCE-RY0754	TSN	916:40	CSN	764
Prop 1: Type	HC-E5A-3A	S/N	SA165	TSN		CSN	
Work Started	15.07.2019	Work Ended	16.07.2019				

The below listed work has been carried out in accordance with:
 PC-12/47E IETP 001.22, 17-MAY-2019
 AMP TAG 1830/1702-PC-12 REV B-P5,18DEC18

WO : T15691

OPEN ITEM: NONE

For details/work performed refer to Work Report**Unscheduled Maintenance**

3001 3124453 71-00 ENGINE ITT EXCEEDENCE

ENGINE EXCEEDANCE, ITT INCREASE DURING ENGINE START (820°C FEW SECONDS) - INVESTIGATE.
 [RSO] - DOWNLOAD FHDB AND ACMF DATA PERFORMED IAW AMM 12-B-45-45-00-00A-551A-A.
 - DATA SENTED TO PRATT&WHITNEY TECHNICAL CENTER FOR ANALYSIS.
 - AFTER ANALYSIS FILES BY P&WC DONE ON 15/07/2019 FOUND ALL DATA IAW P &WC TEMPERATURE LIMITS CHART FIGURE 501 IN AERA SECTION (NOT ACTION REQUIRED AND SECTION A)
 - FOLLOWING P&WC RECOMANDATIONS AERA A REQUIREMENTS MUST BE PERFORMED, AND THE ENGINE MAY CONTINUE OPERATION.
 - THE CAUSE OF THE OVERTEMPERATURE WAS DUE BY THE ENGINE AIR INTALE COVER FORGOTTEN BY THE PILOT DURING THE START OF THE ENGINE.
 - THE PROTECTION COVER WAS REMOVED BY THE PILOT AFTER SHUTDOWN OF THE ENGINE.
 - VISUAL INSPECTION OF THE ENGINE EXHAUST DONE AND FOUND SATISFACTORY.
 NOTE : THIS EVENT WILL BE RECORDED BY THE CAMO ON THE ENGINE LOG BOOK.

The details of all work carried out and materials used at RUAG Business Aviation Ltd. are held at Meyrin under the above mentioned Work Report reference.
 RUAG Business Aviation Ltd. certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Date:	Name:	Signature:	Authorization:
16.07.2019	Thierry Duport		0000963-00 RUAG

RUAG Business Aviation Ltd



Legal domicile
 RUAG Business Aviation Ltd
 Seetalstrasse 175
 6032 Emmen · Switzerland

Phone +41 22 710 44 00

Rue Robert-Adrien Silerlin 6
 1217 Meyrin · Switzerland

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Section 1: Record of engine maintenance and elementary work

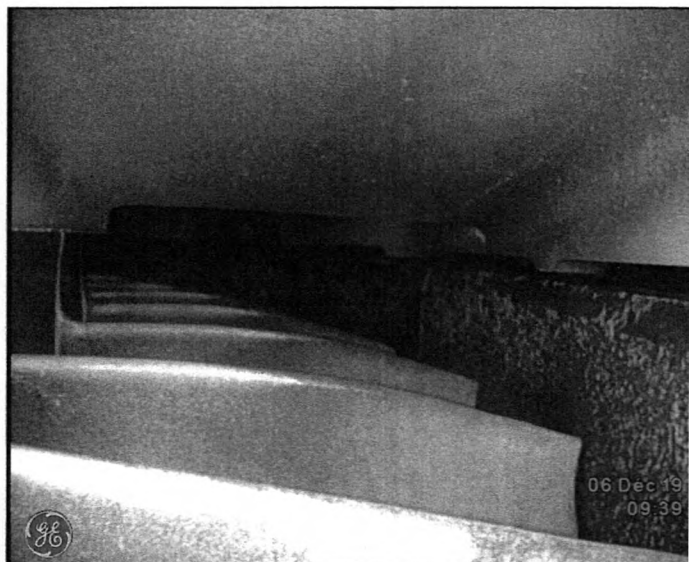
Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	
 Certificate of Release to Service ENGINE #1				Aircraft Type PC12-47E Registration HB-FWC S/N 1702 W/O 40401	
1 General Data					
Operator/Customer TAG AVIATION (MALTA) LTD AMO/MRO identification / Contact TAG Maintenance Services SA (TMS Geneva) / CAVITTE O.			PO N° HB-FWC_40401 Work Period 02-Dec-19 to 11-Dec-19		
<small>Work identified in block 4 have been carried out i.a.w the following documentation. Other works have been carried out i.a.w maintenance data (reference and revision) specified in each card.</small>					
AMM Ref.: AMM - PC-12-47E Rev.: 21 / 17-May-19 // IETP PC12-47E Rev.: 001,22 / 17-May-19 EMM Ref.: EMM - 3038336 - PW PT6A-67B/67P Rev.: 50 / 28-Oct-19 // Rev.:					
2 Airframe, Engines and APU data					
Status	Model	S/N	Hours	Ldgs / Cycles	
ENGINE #1	PT6A-67P	PCE-RY0754	1084 : 18	905	
3 Components Replaced <small>(*) C: Convenience ; R: Other ; R: Rental ; S: Scheduled ; U: Unscheduled ; W: Worn to Limits</small> <small>(*Please check certificate for Life-limited parts status)</small>					
		<small>Part Removed</small>		<small>Part Installed</small>	
<small>Description</small>	<small>Task</small>	<small>Reason</small>	<small>Position</small>	<small>P/N</small>	<small>S/N</small>
N/A					
4 The following work has been accomplished in accordance with TAG 1630/1702 - PC-12 Rev. C-P0, 25.11.2019 and / or other technical relevant documents					
110	057010 ENGINE MINOR INSPECTION PACKAGE REV 50 PERFORMED				
7101	710070 - N°1 ENGINE - CHECK FCU MANUAL OVERRIDE SYSTEM FOR STATIC OPERATION IAW EMM 71-00-00 PERFORMED SATISFACTORY				
7201	710019 - N°1 ENGINE - DO A VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A MIRROR OR A BORESCOPE IAW EMM 72-30-05 PERFORMED SATISFACTORY				
7202	720030 - N°1 ENGINE - CHECK ALL ACCESSIBLE CONNECTIONS, CLAMPS AND BRACKETS FOR ATTACHMENT PERFORMED SATISFACTORY				
7203	720040 - N°1 ENGINE - CHECK CLAMPS, BRACKETS, TUBES/LINES, LINKAGES FOR CHAFING, CRACKS AND CORROSION PERFORMED SATISFACTORY				
7204	720050 - N°1 ENGINE - CHECK ACCESSORIES ATTACHMENT AND LINKAGES, AIR, OIL AND FUEL LINES PERFORMED SATISFACTORY				
7205	720070 - N°1 ENGINE - INSPECT FOR OIL AND FUEL LEAKS AS APPLICABLE PERFORMED SATISFACTORY				
7206	722010 - N°1 ENGINE - INSPECT THE AIR INLET SCREEN FOR CLEANLINESS IAW EMM 72-20-00 PERFORMED SATISFACTORY				
7207	722020 - N°1 ENGINE - WITH INLET SCREEN REMOVED OR ALTERNATIVELY WITH BORESCOPE, INSPECT COMPRESSOR INLET CASE OVERALL SURFACE AREAS AND STRUTS FOR CORROSION IAW EMM 72-20-00 PERFORMED SATISFACTORY				
7208	723026 - N°1 ENGINE - INSPECTION/CHECK GAS GENERATOR CASE EXTERNAL SURFACES, AND FIRESEAL MOUNT RING BRACKETS FOR CRACKS, DISTORTION AND CORROSION IAW EMM 72-30-04 PERFORMED SATISFACTORY				
7209	723036 - N°1 ENGINE - INSPECTION/CHECK FIRESEAL MOUNT RINGS FOR CRACKS AND ATTACHMENT OF BRACKETS AND SEALS IAW EMM 72-30-04 EMM 72-30-01 EMM 72-30-02 PERFORMED SATISFACTORY				
7210	725026 - N°1 ENGINE - INSPECTION/CHECK EXHAUST DUCT FOR CRACKS AND DISTORTION IAW EMM 72-50-05 PERFORMED SATISFACTORY				
7301	731031 - N°1 ENGINE - DO A CHECK OF THE FUEL PUMP (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-02 PERFORMED SATISFACTORY				
7302	731045 - N°1 ENGINE - DO A CHECK OF THE OIL-TO-FUEL HEATER (IN-SITU INSPECTION ONLY) FOR INSTALLATION IAW EMM 73-10-01 PERFORMED SATISFACTORY				
7303	731056 - N°1 ENGINE - INSPECT PNEUMATIC TUBES AND LINES FOR CRACKS AND DAMAGES ESPECIALLY AT THE END FITTINGS AND JOINTS PERFORMED SATISFACTORY				
7304	731085 - N°1 ENGINE - DO A CHECK OF THE DRAIN VALVE (IN-SITU INSPECTION ONLY) OF INSTALLATION AND LEAKAGE IAW EMM 73-10-06 PERFORMED SATISFACTORY				
7305	731091 - N°1 ENGINE - DO A CHECK OF THE FLOW DIVIDER (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-04 PERFORMED SATISFACTORY				
7306	731150 - N°1 ENGINE - CHECK OUTLET FILTER FOR FOREIGN MATTER OR DISTORTION IAW EMM 73-10-02 PERFORMED SATISFACTORY				
7307	732020 - N°1 ENGINE - CHECK FCU FOR INSTALLATION, LINKAGES AND PNEUMATIC LINES IAW EMM 73-20-00 PERFORMED SATISFACTORY				
7902	790091 - N°1 ENGINE - INSPECT FUEL AND OIL LINES FOR LEAKS PERFORMED SATISFACTORY				
7903	790093 - N°1 ENGINE - CHECK SCAVENGE OIL PUMP HOUSING FOR LEAKS PERFORMED SATISFACTORY				
17201	710031 - N°1 ENGINE - BORESCOPE HOT SECTION IAW EMM 72-00-00 PERFORMED SATISFACTORY				
17202	710061 - N°1 ENGINE - PERFORM ENGINE CONDITION TREND MONITORING (ECTM) IAW EMM 72-00-00 PERFORMED SATISFACTORY				
<small>TAG Maintenance Services SA CH.145.0248 65 B1182JC-FR010071 DUPOISSON V.</small>					
Sign: 		Reference CRS- 40401		Rev: / <small>(Only in case of revision)</small>	
<small>Page 1 of 2</small>					

BORESCOPE INSPECTION REPORT

PART:	TURBO PROP. ENG.	MFR:	PRATT & WINTNEY	TSN HRS:	1084,3	TMS W/P:	40401
TYPE:	PT6A-67P	S/N:	PCE-RY 0754	CSN:	905	A/C LDG:	905
A/C TYPE:	PC-12/47E	A/C MSN:	1702	A/C HRS:	1084,3	REG:	HB-FWC

NOTE

**BORESCOPE PERFORMED ON ENGINE HOT SECTION, CT BLADES & SHROUD SEGEMENTS, COMBUSTION CHAMBER, PT DISK FACE
INSPECTED IAW P&WC EMM MODEL(S) PT6A-67B/-67P
MANUAL P/N:3038336, REVISION N°50.0 DATED :OCT,28/2019
FOUND IN GOOD CONDITION**



Signature

Certificate of Release to Service

Aircraft Type PC12-47E
Registration HB-FWC
S/N 1702
W/O 40401

ENGINE #1



17203	761011 - N°1 ENGINE - INSPECT ENGINE CONTROL LINKAGES IAW EMM 72-00-00 PERFORMED SATISFACTORY
17301	731025 - N°1 ENGINE - LEAK/FUNCTIONAL TEST FUEL MANIFOLD ADAPTER AND NOZZLE ASSEMBLIES (ENGINE NOT ON FUEL NOZZLE IN-SITU CLEANING PROGRAM) IAW EMM 73-11-05. FUEL MANIFOLD ADAPTER AND NOZZLE ASSEMBLIES REPLACED IAW EMM 73-11-05 REFER TASK 99 FOR LEAK CHECK
17302	731065 - N°1 ENGINE - EXAMINE FILTER BOWL PERFORMED SATISFACTORY
17303	731100 - N°1 ENGINE - CLEAN P3 FILTER IAW EMM 73-10-07 PERFORMED SATISFACTORY
17304	733070 - N°1 ENGINE - CLEAN AND INSPECT P3 FILTER DRAIN VALVE HOUSING ASSEMBLY IAW EMM 73-10-07 PERFORMED SATISFACTORY
17401	740015 - N°1 ENGINE - CHECK IGNITION EXCITER FOR INSTALLATION AND CONDITION IAW EMM 74-10-00 PERFORMED SATISFACTORY
17402	740025 - N°1 ENGINE - CHECK SPARK IGNITERS FOR CLEANLINESS AND EROSION. CHECK FUNCTION IAW EMM 74-20-00 PERFORMED FOUND BOTH SPARK IGNITERS EROSION WORN OUT REFER TASK 37202 FOR CORRECTIVE ACTION
17403	742010 - N°1 ENGINE - CHECK IGNITION CABLES FOR CHAFING, WEAR AND INSTALLATION IAW EMM 74-20-00 PERFORMED SATISFACTORY
17901	790031 - N°1 ENGINE - CHECK MAGNETIC CHIP DETECTOR IAW EMM 79-20-02 PERFORMED REFER TASK 37201 FOR CORRECTIVE ACTION
17902	790060 - N°1 ENGINE - INSPECT CLEAN OIL FILTER ELEMENT AND SECONDARY SCREEN IAW EMM 79-20-02 PERFORMED SATISFACTORY

5 The following corrections have been accomplished

37101	PERFORMANCE RECOVERY WASH (COMPRESSOR DIRTY) COMPRESSOR AND TURBINE PERFORMED IAW AMM 12-B-71-00-00A-250A-A
37201	REMOVED AND REPLACED MAGNETIC CHIP DETECTOR ON RGB (NO CONTINUITY) PERFORMED IAW EMM P&W 72-11-00, TEST AND CHECK FOUND SATISFACTORY
37202	BOTH SPARK IGNITERS (WORN OUT) REPLACED IAW EMM P&W 74-20-00

6 Work Deferred

N/A

7 Work Cancelled

N/A

8 Certificate of Release to Service

The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date (dd-mm-yy) 14 DEC 2019	Name and Signature Vincent DUPOISSON	Stamp 	EASA Approval Ref. N° : CH.145.0248
Location GENEVA		TAG Maintenance Services SA CH.145.0248 66 B1/B2/C-FR010071 DUPOISSON V.	

Section 1: Record of engine maintenance and element



Log Book Entry for

Aircraft Type PC12-47E
 Registration HB-FWC
 S/N 1702
 WP 41330

AIRCRAFT

Date
 --/--/----

1 General Data	
Operator/Customer TAG AVIATION (MALTA) LTD	PO N° HB_FWC_41330
AMO/MRO identification / Contact TAG Maintenance Services SA (TMS Geneva) / CAVITTE O.	Work Period 30-Mar-20 to 14-Apr-20
Work has been done in accordance with the following documentation :	
Aircraft Maintenance Manual Ref.: AMM - PC-12-47E	Rev.: 22 Date: 24-Mar-20
Engine Maintenance Manual Ref.: EMM - 3038336 - PW PT6A-67B/67P	Rev.: 50.1 Date: 20-Dec-19

2 Airframe, Engines and APU data				
Status	Model	S/N	Hours	Ldgs / Cycles
Aircraft	PC12-47E	1702	1154 : 15	973
ENGINE #1	PT6A-67P	PCE-RY0754	1154 : 15	973
PROPELLER	HC-E5A-3A	SA165	1040 : 45	898

3 Components Replaced											
<i>(Please check certificate for Life-limited parts status)</i>											
Description	Task	Reason	Position	Part Removed				Part Installed			
				P/N	S/N	P/N	S/N	Status	TSN/TSO*	CSW/CSO*	
N/A											

4 The following work has been accomplished											
N/A											

5 The following corrections have been accomplished											
31201	ON 30.03.2020 - DESICCANT BAGS PLACED ON ENGINE EXHAUST										
31202	ON 06.04.2020 - MOVE THE AIRCRAFT (CONSERVE THE TIRES) PERFORMED										
31203	ON 06.04.2020 - CHECKED FOR RELATIVE HUMIDITY AND NO TRACE FOUND OF HUMIDITY FOUND SATISFACTORY										
32801	ON 30.03.2020 - REMOVE 0.25 L OF FUEL FROM EACH FUEL TANK PERFORMED AND FOUND SATISFACTORY										
32802	ON 06.04.2020 - REMOVE 0.25 L OF FUEL FROM EACH FUEL TANK DRAINED. FOUND SATISFACTORY										
33201	ON 30.03.2020 - CHECK TIRE PRESSURES IAW AMM 12-B-12-10-04-00A-902A-A PERFORMED FOUND SATISFACTORY										
33202	ON 06.04.2020 - CHECK TIRE PRESSURES IAW AMM 12-B-12-10-04-00A-902A-A PERFORMED FOUND SATISFACTORY										
41201	ON 30.03.2020 - ALL ENGINE OPENINGS SEALED WITH SPEED TAPE										
71201	ON 30.03.2020 - AIRCRAFT ALREADY PARKED IN POSITION F5 (IF NECESSARY) IAW AMM 12-B-10-10-00-00A-901A-A										
71202	ON 30.03.2020 - REFUEL THE AIRCRAFT (IF NECESSARY) IAW AMM 12-B-12-10-01-00A-902A-A PERFORMED AT FULL LEVEL 930 L										
71203	ON 30.03.2020 - MOOR THE AIRCRAFT (IF NECESSARY) IAW AMM 12-B-10-20-00-00A-901A-A , NOT NECESSARY , 2 CHOCS PUT ON EACH WHEELS										
71204	ON 06.04.2020 - PARK THE AIRCRAFT (IF NECESSARY) IAW AMM 12-B-10-10-00-00A-901A-A OR 901B-A PERFORMED										
71205	ON 06.04.2020 - REFUEL THE AIRCRAFT (IF NECESSARY) IAW AMM 12-B-12-10-01-00A-902A-A , NOT NECESSARY, AIRCRAFT ALREADY REFUELED										
71206	ON 06.04.2020 - MOOR THE AIRCRAFT (IF NECESSARY) IAW AMM 12-B-10-20-00-00A-901A-A , NOT NECESSARY, 2 CHOCS PUT ON EACH WHEELS										
91201	PERFORMED AIRCRAFT RETURN TO SERVICE - MORE THAN 7 DAYS AND UP TO 28 DAYS, FOR DETAILS. REFER TO TMS WP # 41045 ENGINE RUN UP PERFORMED AND A/C TAXII TO THE MAINTENANCE FACILITIES.										

6 Work Deferred											
N/A											

7 Work Cancelled											
N/A											

14 APR 2020

 TAG Maintenance Services SA
 CH.145.0248
 66 B1/CIS-FR008128
 DUPORT T.

Sign./Date:

v22

Page 1 of 2



Log Book Entry for

Aircraft Type PC12-47E
 Registration HB-FWC
 S/N 1702
 WP 41330

AIRCRAFT

8 Statement			
The undersigned confirms that the work specified above fully details the maintenance work carried out in accordance with released task cards contained within referenced WP, together with Certificate of Release to Service document.			
Date (dd-mmm-yy) 14/Apr/20	Name and Signature Th DUPORT	Stamp 	EASA Approval Ref. N° : CH.145.0248
Location LSSG			

TAG Maintenance Services SA
 CH.145.0248
 66 B1/CIS-FR008128
 DUPORT T.

Signature

/ AC/ SCA



Certificate of Release to Service

Aircraft Type PC12-47E

Registration HB-FWC

S/N 1702

WP 41045

ENGINE #1

1 General Data	
Operator/Customer TAG AVIATION (MALTA) LTD	PO N° HB-FWC 41045
AMO/MRO identification / Contact TAG Maintenance Services SA (TMS Geneva) / CAVITTE O	Work Period 16-Apr-20 to 24-Apr-20
Work identified in block 4 have been carried out i.a.w the following documentation. Other works have been carried out i.a.w maintenance data (reference and revision) specified in each card.	
AMM Ref.: AMM - PC-12-47E Rev.: 21 / 17-May-19	// IETP PC12-47E Rev.: 001.22 / 17-May-19
EMM Ref.: EMM - 3038336 - PW PT6A-67B/67P Rev.: 50.1 / 05-Dec-19	// Rev.:

2 Airframe, Engines and APU data				
Status	Model	S/N	Hours	Ldgs / Cycles
Aircraft	PC12-47E	1702	1154 : 15	973
ENGINE #1	PT6A-67P	PCE-RY0754	1154 : 15	973

3 Components Replaced										
Description	Task	Reason	Position	Part Removed		Part Installed		Status	TSH/TSO*	CSN/CSC*
				P/N	S/N	P/N	S/N			
N/A										

4 The following work has been accomplished in accordance with TAG 1630/1702 - PC-12 Rev. C-P0, 25.11.2019 and / or other technical relevant documents	
99	PERFORMED ENGINE RUN-UP IN TUNNEL IAW AMM 12-B-71-00-00-00A-903A-A. FOUND PROPELLER LOW PITCH WARNING OUT OF LIMITS. REFER TO TASK 37101 FOR CORRECTIVE ACTION
110	057010 MINOR INSPECTION PACKAGE PERFORMED
2805	28-20/150 - EXAMINE ENGINE DRIVEN PUMP IAW AMM 12-B-05-40-01-02A-000B-A TABLE 1 PERFORMED SATISFACTORY
3002	30-20/156 - EXAMINE ENGINE AIR INTAKE DE-ICE LIP. LOOK FOR SIGNS OF GAS LEAKS. NONE ARE PERMITTED IAW AMM 12-B-05-40-01-02A-000B-A TABLE 1 PERFORMED SATISFACTORY
7101	71-00/209 - EXAMINE ENGINE DRAIN MAST AND TANK FOR FUEL LEAKS (NO LEAKS PERMITTED) AND DRAIN (NO EXCESSIVE LEAKS) IAW AMM 12-B-05-40-01-02A-000B-A TABLE 1 PERFORMED SATISFACTORY
7104	71-00/107 - CLEAN ENGINE TORQUE AND STICK PUSHER TORQUE TRANSDUCERS ELECTRICAL CONNECTORS IAW AMM 12-B-71-00-03-00A-250A-A PERFORMED SATISFACTORY
7105	710070 - N°1 ENGINE - CHECK FCU MANUAL OVERRIDE SYSTEM FOR STATIC OPERATION IAW EMM 71-00-00 PERFORMED SATISFACTORY
7107	71-10/207 - OPEN AND EXAMINE, ENGINE COWLINGS ENG 43AL AND ENG 43AR AND EXAMINE, PARTICULARLY FOR CONDITION OF RUBBING STRIPS AND FASTENERS. LUBRICATE THE HINGES WITH A MINIMUM OF MATERIAL P10-001 71-10/208 - CLOSE ENGINE COWLINGS ENG 43AL AND ENG 43AR PERFORMED THROUGH TASK 92010
7201	710019 - N°1 ENGINE - DO A VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A MIRROR OR A BORESCOPE IAW EMM 72-30-05 PERFORMED SATISFACTORY. SEE ATTACHED REPORT
7202	720030 - N°1 ENGINE - CHECK ALL ACCESSIBLE CONNECTIONS, CLAMPS AND BRACKETS FOR ATTACHMENT PERFORMED SATISFACTORY
7203	720040 - N°1 ENGINE - CHECK CLAMPS, BRACKETS, TUBES/LINES, LINKAGES FOR CHAFING, CRACKS AND CORROSION PERFORMED SATISFACTORY
7204	720050 - N°1 ENGINE - CHECK ACCESSORIES ATTACHMENT AND LINKAGES, AIR, OIL AND FUEL LINES PERFORMED SATISFACTORY
7205	720070 - N°1 ENGINE - INSPECT FOR OIL AND FUEL LEAKS AS APPLICABLE PERFORMED SATISFACTORY
7206	722010 - N°1 ENGINE - INSPECT THE AIR INLET SCREEN FOR CLEANLINESS IAW EMM 72-20-00 PERFORMED SATISFACTORY
7207	722020 - N°1 ENGINE - WITH INLET SCREEN REMOVED OR ALTERNATIVELY WITH BORESCOPE, INSPECT COMPRESSOR INLET CASE OVERALL SURFACE AREAS AND STRUTS FOR CORROSION IAW EMM 72-20-00 PERFORMED SATISFACTORY. SEE ATTACHED REPORT
7208	723026 - N°1 ENGINE - INSPECTION/CHECK GAS GENERATOR CASE EXTERNAL SURFACES, AND FIRESEAL MOUNT RING BRACKETS FOR CRACKS, DISTORTION, AND CORROSION IAW EMM 72-30-04 PERFORMED SATISFACTORY
7209	723036 - N°1 ENGINE - INSPECTION/CHECK FIRESEAL MOUNT RINGS FOR CRACKS AND ATTACHMENT OF BRACKETS AND SEALS IAW EMM 72-30-04 EMM 72-30-01 EMM 72-30-02 PERFORMED SATISFACTORY
7210	725026 - N°1 ENGINE - INSPECTION/CHECK EXHAUST DUCT FOR CRACKS AND DISTORTION IAW EMM 72-50-05 PERFORMED SATISFACTORY
7301	731031 - N°1 ENGINE - DO A CHECK OF THE FUEL PUMP (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-02 PERFORMED SATISFACTORY

Sign:

Reference CRS- 41045

Rev. /

(Only in case of revision) Page 1 of 2

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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Certificate of Release to Service

ENGINE #1

Aircraft Type	PC12-47E
Registration	HB-FWC
S/N	1702
WP	41045

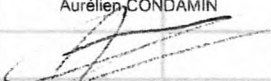
7302	731045 - N°1 ENGINE - DO A CHECK OF THE OIL-TO-FUEL HEATER (IN-SITU INSPECTION ONLY) FOR INSTALLATION IAW EMM 73-10-01 PERFORMED SATISFACTORY
7303	731056 - N°1 ENGINE - INSPECT PNEUMATIC TUBES AND LINES FOR CRACKS AND DAMAGES ESPECIALLY AT THE END FITTINGS AND JOINTS PERFORMED SATISFACTORY
7304	731085 - N°1 ENGINE - DO A CHECK OF THE DRAIN VALVE (IN-SITU INSPECTION ONLY) OF INSTALLATION AND LEAKAGE IAW EMM 73-10-06 PERFORMED SATISFACTORY
7305	731091 - N°1 ENGINE - DO A CHECK OF THE FLOW DIVIDER (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-04 PERFORMED SATISFACTORY
7306	731150 - N°1 ENGINE - CHECK OUTLET FILTER FOR FOREIGN MATTER OR DISTORTION IAW EMM 73-10-02 PERFORMED. OUTLET FILTER REPLACED IAW EMM 73-10-02. CHECK FOUND SATISFACTORY
7307	732020 - N°1 ENGINE - CHECK FCU FOR INSTALLATION LINKAGES AND PNEUMATIC LINES IAW EMM 73-20-00 PERFORMED SATISFACTORY
7604	76-00/210 - EXAMINE ENGINE CONTROLS IN ENGINE COMPARTMENT IAW AMM 12-B-05-40-01-04A-000B-A TABLE 1 PERFORMED SATISFACTORY
7903	79-20/289 - EXAMINE ENGINE OIL COOLER AND MAKE SURE OUTLET DOOR HAS FULL AND FREE MOVEMENT IAW AMM 12-B-05-40-01-05A-000B-A TABLE 1 PERFORMED SATISFACTORY
7904	790091 - N°1 ENGINE - INSPECT FUEL AND OIL LINES FOR LEAKS PERFORMED SATISFACTORY
7905	790093 - N°1 ENGINE - CHECK SCAVENGE OIL PUMP HOUSING FOR LEAKS PERFORMED SATISFACTORY
17202	710061 - N°1 ENGINE - PERFORM ENGINE CONDITION TREND MONITORING (ECTM) IAW EMM 72-00-00 PERFORMED SATISFACTORY
17203	761011 - N°1 ENGINE - INSPECT ENGINE CONTROL LINKAGES IAW EMM 72-00-00 PERFORMED SATISFACTORY
17304	731065 - N°1 ENGINE - EXAMINE FILTER BOWL PERFORMED SATISFACTORY
17305	731100 - N°1 ENGINE - CLEAN P3 FILTER IAW EMM 73-10-07 PERFORMED SATISFACTORY
17306	733070 - N°1 ENGINE - CLEAN AND INSPECT P3 FILTER DRAIN VALVE HOUSING ASSEMBLY IAW EMM 73-10-07 PERFORMED SATISFACTORY
17901	790031 - N°1 ENGINE - CHECK MAGNETIC CHIP DETECTOR IAW EMM 79-20-02 PERFORMED SATISFACTORY
17902	790040 - N°1 ENGINE - BRIDGE CHECK MAGNETIC CHIP DETECTOR IAW EMM 72-60-00 PERFORMED SATISFACTORY
17903	790060 - N°1 ENGINE - INSPECT CLEAN OIL FILTER ELEMENT AND SECONDARY SCREEN IAW EMM 79-20-02 PERFORMED SATISFACTORY
17904	790081 - N°1 ENGINE - PERFORM OIL ANALYSIS TECHNOLOGY SAMPLING IAW EMM 72-00-00 ENGINE-SERVICING & SIL-GEN-153 PERFORMED SATISFACTORY. SENT FOR ANALYSIS

5 The following corrections have been accomplished
N/A

6 Work Deferred
N/A

7 Work Cancelled
N/A

8 Certificate of Release to Service
The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service

Date (dd-mmm-yy) 24.04.20 Location GVA H3	Name and Signature Aurélien CONDAMIN 	Stamp TAG Maintenance Services SA CH.145.0248 56 B1/C-FR003922 CONDAMIN A.	EASA Approval Ref. N° : CH.145.0248
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Certificate of Release to Service

Aircraft Type | PC12-47E
 Registration | HB-FWC
 S/N | 1702
 WP | 42040

ENGINE #1

1 General Data	
Operator/Customer TAG AVIATION (MALTA) LTD	PO N° HB-FWC_42040
AMO/MRO identification / Contact TAG Maintenance Services SA (TMS Geneva) / SOUSA J.	Work Period 26-Oct-20 to 06-Nov-20
Work identified in block 4 have been carried out i.a.w the following documentation. Other works have been carried out i.a.w maintenance data (reference and revision) specified in each card.	
AMM Ref.: AMM - PC-12-47E Rev.: 23 / 15-May-20 // IETP PC12-47E Rev.: 001,24 / 15-May-20	
EMM Ref.: EMM - 3038336 - PW PT6A-67B/67P Rev.: 51.3 / 10-Sep-20 // Rev.:	

2 Airframe, Engines and APU data				
Status	Model	S/N	Hours	Ldgs / Cycles
Aircraft	PC12-47E	1702	1435 : 44	1220
ENGINE #1	PT6A-67P	PCE-RY0754	1435 : 44	1220

3 Components Replaced <small>(C: Convenience; H: Other; R: Retail; S: Scheduled; U: Unscheduled; W: Worn to Limits)</small> <small>(Please check certificate for LRU-limited parts status)</small>										
Description	Task	Reason	Position	Part Removed		Part Installed		Status	TSN/TSO*	CSN/CSO*
				P/N	S/N	P/N	S/N			
N/A										

4 The following work has been accomplished in accordance with TAG 1630/1702 - PC-12 Rev. C-P1, 30.10.2020 and / or other technical relevant documents	
99	ENGINE RUN-UP PERFORMED IAW AMM 12-B-71-00-00-00A-903A-A (TESTS NUMBERS 1/23/7/9/13/17/18/19/20), FOUND SATISFACTORY.
110	057010 MINOR INSP PACKAGE PERFORMED.
7102	710070 - N°1 ENGINE - CHECK FCU MANUAL OVERRIDE SYSTEM FOR STATIC OPERATION IAW EMM 71-00-00 PERFORMED, SATISFACTORY.
7103	71-00/206 - EXAMINE POWER PLANT AND ACCESSORIES. REFER TO P&WC EMM 72-00-00 PERIODIC INSPECTION AND DO THE 100 HOUR AND MINOR INSPECTION ITEMS COVERED BY MINOR INSPECTION PACKAGE, SEE TASK 110.
7105	71-00/287 - PERFORM POWER PLANT - INSPECTION GROUND RUN COVERED BY TASK 99
7106	71-00/204 - PERFORM POWER PLANT - POST INSPECTION GROUND RUN TESTS PERFORMED. SEE TASK 99 (ENGINE RUN-UP).
7201	720040 - N°1 ENGINE - CHECK CLAMPS, BRACKETS, TUBES/LINES, LINKAGES FOR CHAFING, CRACKS AND CORROSION PERFORMED, SATISFACTORY.
7202	720050 - N°1 ENGINE - CHECK ACCESSORIES ATTACHMENT AND LINKAGES, AIR, OIL AND FUEL LINES PERFORMED, SATISFACTORY.
7203	720070 - N°1 ENGINE - INSPECT FOR OIL AND FUEL LEAKS PERFORMED, SATISFACTORY.
7204	722010 - N°1 ENGINE - INSPECT THE AIR INLET SCREEN FOR CLEANLINESS IAW EMM 72-20-00 PERFORMED, SATISFACTORY.
7205	722020 - N°1 ENGINE - WITH INLET SCREEN REMOVED OR ALTERNATIVELY WITH BORESCOPE, INSPECT COMPRESSOR INLET CASE OVERALL SURFACE AREAS AND STRUTS FOR CORROSION IAW EMM 72-20-00 PERFORMED, SATISFACTORY. SEE ATTACHED REPORT.
7206	710019 - N°1 ENGINE - VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A BORESCOPE IAW EMM 72-30-05 PERFORMED, SATISFACTORY. SEE ATTACHED REPORT.
7207	720030 - N°1 ENGINE - CHECK ALL ACCESSIBLE CONNECTIONS, CLAMPS AND BRACKETS FOR ATTACHMENT PERFORMED, SATISFACTORY.
7208	723026 - N°1 ENGINE - INSPECTION/CHECK GAS GENERATOR CASE EXTERNAL SURFACES, AND FIRESEAL MOUNT RING BRACKETS FOR CRACKS, DISTORTION, AND CORROSION IAW EMM 72-30-04 PERFORMED, SATISFACTORY.
7209	723036 - N°1 ENGINE - INSPECTION/CHECK FIRESEAL MOUNT RINGS FOR CRACKS AND ATTACHMENT OF BRACKETS AND SEALS IAW EMM 72-30-04 EMM 72-30-01 EMM 72-30-02 PERFORMED, SATISFACTORY.
7210	725026 - N°1 ENGINE - INSPECTION/CHECK EXHAUST DUCT FOR CRACKS AND DISTORTION IAW EMM 72-50-05 PERFORMED, SATISFACTORY.
7301	731056 - N°1 ENGINE - INSPECT PNEUMATIC TUBES AND LINES FOR CRACKS AND DAMAGES ESPECIALLY AT THE END FITTINGS AND JOINTS PERFORMED, SATISFACTORY.
7302	731085 - N°1 ENGINE - DO A CHECK OF THE DRAIN VALVE (IN-SITU INSPECTION ONLY) OF INSTALLATION AND LEAKAGE IAW EMM 73-10-06 PERFORMED, SATISFACTORY.
7303	731091 - N°1 ENGINE - DO A CHECK OF THE FLOW DIVIDER (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-04 PERFORMED, SATISFACTORY.

Sign: TAG Maintenance Services SA
 CH.145.0248
 66 311834-C-PR010071
 DUPOISSON V.

Section 1:

Date
--/--/



Certificate of Release to Service
ENGINE #1

Aircraft Type PC12-47E
Registration HB-FWC
S/N 1702
WP 43202

8 Certificate of Release to Service			
The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.			
Date (dd-mmm-yy) 11 MAY 2021 Location GENEVA	Name and Signature Vincent DUPOISSON 	Stamp TAG Maintenance Services SA CH.145.0248 66 B182/C-FR010071 DUPOISSON V.	EASA Approval Ref. N° : CH.145.0248

Swiss Federal Office of Civil Aviation			
Airworthiness inspection for	Conformity		
Report No. 002-829	Import	Export	Other
Date: 18.05.2021	Signature:		

Section 1:

Date
--/--/--/



Certificate of Release to Service

Aircraft Type PC12-47E
 Registration HB-FWC
 S/N 1702
 WP 43202

ENGINE #1

1 General Data

Operator/Customer
TAG AVIATION (MALTA) LTD

PO N°
HB-FWC_43202

AMO/MRO identification / Contact
TAG Maintenance Services SA (TMS Geneva) / DUNES A.

Work Period
19-Apr-21 to 11-May-21

Work identified in block 4 have been carried out i.a.w the following documentation. Other works have been carried out i.a.w maintenance data (reference and revision) specified in each card.

AMM Ref.: AMM - PC-12-47E Rev.: 24 / 30-Nov-20 // IETP PC12-47E Rev.: 001,25A / 30-Nov-20
 EMM Ref.: EMM - 3038336 - PW PT6A-67B/67P Rev.: 52 / 12-Oct-20 // Rev.:

2 Airframe, Engines and APU data

Status	Model	S/N	Hours	Ldgs / Cycles
Aircraft	PC12-47E	1702	1528 : 06	1304
ENGINE #1	PT6A-67P	PCE-RY0754	1528 : 06	1304

3 Components Replaced

Description	Task	Reason	Position	Part Removed		Part Installed		Status	TSN / TSO*	CSN / CSO*
				P/N	S/N	P/N	S/N			
N/A										

4 The following work has been accomplished in accordance with TAG 1630/1702 - PC-12 Rev. C-P2, 09.03.2021 and / or other technical relevant documents

99	PERFORMED ENGINES RUN-UP IN THE TUNNEL IAW AMM 12-B-71-00-00-00A-903A-A. NOTE: REFER TO TASK 7108 FOR PROCEDURE
7106	71-00/206 - EXAMINE POWER PLANT AND ACCESSORIES. REFER TO P&WC EMM 72-00-00 PERIODIC INSPECTION TABLE 601 PERFORMED. SATISFACTORY.
7108	71-00/287 - PERFORMED POWER PLANT - INSPECTION GROUND RUN IAW AMM 12-B-71-00-00-00A-903-A-A, AND FOUND SATISFACTORY.
17901	790040 - N°1 ENGINE - BRIDGE CHECK MAGNETIC CHIP DETECTOR IAW EMM 72-20-02 PERFORMED. SATISFACTORY.
17902	790081 - N°1 ENGINE - PERFORMED OIL ANALYSIS TECHNOLOGY SAMPLING IAW EMM 72-00-00 ENGINE-SERVICING & SIL-GEN-153. AND FOUND SATISFACTORY.

5 The following corrections have been accomplished

37101	IN REFERENCE TO HB-FWC PPI (WP 43682) - PERFORMED N°1 ENGINE BORESCOPE HOT SECTION IAW EMM 72-00-00. VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A MIRROR OR A BORESCOPE IAW EMM 72-30-05 AND VISUAL INSPECTION OF AIR INTAKE CASING, AND FOUND SATISFACTORY. NOTE: SEE BORESCOPE INSPECTION REPORT ATTACHED.
37201	IAW TASK 71-00/206 AND CAMO EXAMEN OF EMM 72-00-00 TABLE 601 DUE TO CODE 057010 MINOR INSPECTION PACKAGE NOT DUE. PERFORMED CHECK OIL LEVEL IAW EMM 72-00-00 SERVICING, LUBRICATING OIL SYSTEM AND FOUND TO LOW. ADJUSTED ENGINE OIL LEVEL IAW IAW EMM 72-00-00 TABLE 601. AND FOUND SATISFACTORY.
37202	IAW TASK 71-00/206 AND CAMO EXAMEN OF EMM 72-00-00 TABLE 601 DUE TO CODE 057010 MINOR INSPECTION PACKAGE NOT DUE. PERFORMED CHECK FOR OIL LEAKS IAW EMM 72-11-00 INSPECTION / CHECK. AND FOUND SATISFACTORY.
37203	IAW TASK 71-00/206 AND CAMO EXAMEN OF EMM 72-00-00 TABLE 601 DUE TO CODE 057010 MINOR INSPECTION PACKAGE NOT DUE. PERFORMED CHECK CONDITION AND LOCKING OF OIL FILLER CAP IAW EMM 72-60-00 INSPECTION, AND FOUND SATISFACTORY.

6 Work Deferred
N/A

7 Work Cancelled
N/A

Sign:

Reference CRS- 43202

Rev:

/

(Only in case of revision)

Page 1 of 2

Swiss Federal Office of Civil Aviation

Airworthiness inspection for	Conformity
Report No. 002-889	Import / Export
Date: 18.05.2021	Signature: [Handwritten]

Certificate of Release to Service

Aircraft Type	PC12-47E
Registration	HB-FWC
S/N	1702
WP	42040

ENGINE #1

7304	731150 - N*1 ENGINE - CHECK OUTLET FILTER FOR FOREIGN MATTER OR DISTORTION IAW EMM 73-10-02 PERFORMED. ENGINE FUEL PUMP OUTLET FILTER REPLACED IAW EMM 73-10-02. SEE TASK 17303 FOR DETAILS.
7305	732020 - N*1 ENGINE - CHECK FCU FOR INSTALLATION, LINKAGES AND PNEUMATIC LINES IAW EMM 73-20-00 PERFORMED, SATISFACTORY.
7306	731031 - N*1 ENGINE - DO A CHECK OF THE FUEL PUMP (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 73-10-02 PERFORMED, SATISFACTORY.
7307	731045 - N*1 ENGINE - DO A CHECK OF THE OIL-TO-FUEL HEATER (IN-SITU INSPECTION ONLY) FOR INSTALLATION IAW EMM 73-10-01 PERFORMED, SATISFACTORY.
7902	790091 - N*1 ENGINE - INSPECT FUEL AND OIL LINES FOR LEAKS PERFORMED, SATISFACTORY.
7903	790093 - N*1 ENGINE - CHECK SCAVENGE OIL PUMP HOUSING FOR LEAKS PERFORMED, SATISFACTORY.
17101	710031 - N*1 ENGINE - BORESCOPE HOT SECTION IAW EMM 72-00-00 PERFORMED, SATISFACTORY. SEE ATTACHED REPORT.
17102	710061 - N*1 ENGINE - ENGINE CONDITION TREND MONITORING (ECTM) (ACMF AND FHDB) DOWNLOADED IAW AMM 12-B-45-45-00-00A-551A-A AND SENT TO CUSTOMER REPRESENTATIVE.
17103	710052 - N*1 ENGINE - COMPRESSOR PERFORMANCE RECOVERY WASH PERFORMED IAW EMM 71-00-00.
17301	731025 - N*1 ENGINE - LEAK/FUNCTIONAL TEST FUEL MANIFOLD ADAPTER AND NOZZLE ASSEMBLIES (ENGINE NOT ON FUEL NOZZLE IN-SITU CLEANING PROGRAM) IAW EMM 73-11-05 PERFORMED BY PILATUS, SATISFACTORY. SEE FORM 1 NBR UWT-AAT-20-686. REMOVAL/INSTALLATION OF DUPLEX FUEL MANIFOLD PERFORMED IAW EMM 73-11-05, OPERATIONAL TEST FOUND SATISFACTORY.
17302	731040 - N*1 ENGINE - CHECK FUEL PUMP FUEL INLET SCREEN FOR FOREIGN MATTER OR DISTORTION, CLEANED AND REINSTALLED IAW EMM 73-10-02 PERFORMED, SATISFACTORY.
17303	731055 - N*1 ENGINE - REPLACE N*1 FUEL PUMP OUTLET FILTER IAW EMM 73-10-02 PERFORMED, SATISFACTORY.
17304	731065 - N*1 ENGINE - EXAMINE FILTER BOWL PERFORMED, SATISFACTORY.
17305	731100 - N*1 ENGINE - P3 FILTER REPLACED IAW EMM 73-10-07. SEE TASK 17307 FOR DETAILS.
17306	733070 - N*1 ENGINE - CLEAN AND INSPECT P3 FILTER DRAIN VALVE HOUSING ASSEMBLY IAW EMM 73-10-07 PERFORMED, SATISFACTORY.
17307	733020 - N*1 ENGINE - P3 FILTER REPLACED IAW EMM 73-10-07.
17401	740015 - N*1 ENGINE - CHECK IGNITION EXCITER FOR INSTALLATION AND CONDITION IAW EMM 74-10-00 PERFORMED, SATISFACTORY.
17402	740025 - N*1 ENGINE - CHECK SPARK IGNITERS FOR CLEANLINESS AND EROSION. CHECK FUNCTION IAW EMM 74-20-00 PERFORMED, SATISFACTORY.
17403	742010 - N*1 ENGINE - CHECK IGNITION CABLES FOR CHAFING, WEAR AND INSTALLATION IAW EMM 74-20-00 PERFORMED, SATISFACTORY.
17801	761011 - N*1 ENGINE - INSPECT ENGINE CONTROL LINKAGES IAW EMM 72-00-00 PERFORMED, SATISFACTORY.
17901	790031 - N*1 ENGINE - CHECK MAGNETIC CHIP DETECTOR IAW EMM 79-20-02 PERFORMED, SATISFACTORY.
17902	790060 - N*1 ENGINE - OIL FILTER ELEMENT REPLACED, SEE TASK 17904 FOR DETAILS. SECONDARY SCREEN INSPECTION IAW EMM 79-20-02 PERFORMED, SATISFACTORY.
17903	790081 - N*1 ENGINE - OIL ANALYSIS TECHNOLOGY SAMPLING IAW EMM 72-00-00 ENGINE-SERVICING & SIL-GEN-153 PERFORMED AND SENT TO PWC.
17904	790050 - N*1 ENGINE - REPLACE OIL FILTER ELEMENT IAW EMM 79-20-02 PERFORMED, SATISFACTORY.

5 The following corrections have been accomplished

N/A

6 Work Deferred

N/A

7 Work Cancelled

N/A

8 Certificate of Release to Service

The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date (dd-mmm-yy)

06 Nov 20

Location

LSGG

Name and Signature

Vincent DUPOISSON



Stamp

TAG Maintenance Services SA
CH.145.0248
66 31/B2/C-FR010071
DUPOISSON V.

EASA Approval Ref. N° :

CH.145.0248

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
Inspection de douane Genève Aéroport Service Aviation				
Contrôle des travaux de maintenances effectué				



Engine No. 1 Logbook
3072955-01 - PT6A-67P, S/N PCE-RY0754
Facility:
Airframe Hours: 1921.9
Airframe Ach:
Eng# 1 Hours: 1921.9

WO: N536HC
Certificate #:
Airframe Cyc/Lndgs: 1671
Eng# 1 Enc: 1671

01-Jun-22

THE FOLLOWING INSPECTION ITEMS / TASKS WERE ACCOMPLISHED:

TASK NUMBER	DESCRIPTION
1 740015	NO. 1 ENGINE - CHECK IGNITION EXCITER FOR INSTALLATION AND CONDITION
2 740025	NO. 1 ENGINE - CHECK SPARK IGNITERS FOR CLEANLINESS AND EROSION. CHECK FUNCTION.
3 744010	NO. 1 ENGINE - CHECK IGNITION CABLES FOR CHAFING, WEAR AND INSTALLATION
4 761011	NO. 1 ENGINE - INSPECT ENGINE CONTROL LINKAGES
5 790031	NO. 1 ENGINE - CHECK MAGNETIC CHIP DETECTOR
6 750040	NO. 1 ENGINE - BRIDGE CHECK MAGNETIC CHIP DETECTOR
7 710019	NO. 1 ENGINE - DO A VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A MICRO OR A BORESCOPE
3 057010	NO. 1 ENGINE - MINOR INSPECTION

I CERTIFY THAT THIS AIRCRAFT WAS REPAIRED (IN ACCORDANCE WITH CURRENT FAA REGULATIONS) AND/OR INSPECTED IN ACCORDANCE WITH AN APPROVED INSPECTION PROGRAM REQUIRED BY FAR 135.419 AND IS APPROVED FOR RETURN TO SERVICE.

Work Performed By: JAY R VIDALVA

Certificate #: A&P - 3070370

Work Inspected By: JAY R VIDALVA

Certificate #: IA - 3070370



Certificate of Release to Service

Aircraft Type PC12-47E
Registration HB-FWC
S/N 1702
WP 43682

ENGINE #1

1 General Data	
Operator/Customer TAG AVIATION (MALTA) LTD	PO N° PROPOSAL TMS-000253-21
AMO/MRO identification / Contact TAG Maintenance Services SA (TMS Geneva) / DUNES A.	Work Period 04-May-21 to 11-May-21
Work identified in block 4 have been carried out i.a.w the following documentation. Other works have been carried out i.a.w maintenance data (reference and revision) specified in each card.	
AMM Ref.: AMM - PC-12-47E Rev.: 24 / 30-Nov-20	// IETP PC12-47E Rev.: 001,25A / 30-Nov-20
EMM Ref.: EMM - 3038336 - PW PT6A-67B/67P Rev.: 53.0 / 12-Apr-21	// Rev.:

2 Airframe, Engines and APU data				
Status	Model	S/N	Hours	Ldgs / Cycles
Aircraft	PC12-47E	1702	1528 : 06	1304
ENGINE #1	PT6A-67P	PCE-RY0754	1528 : 06	1304

3 Components Replaced (* C: Convenience ; H: Other ; R: Rental ; S: Scheduled ; U: Unscheduled ; W: Worn to Limits) (Please check certificate for Life-limited parts status)										
Description	Task	Reason	Position	Part Removed		Part Installed		Status	TSN/ TSO*	CSN/ CSO*
				P/N	S/N	P/N	S/N			
N/A										

4 The following work has been accomplished in accordance with TAG 1630/1702 - PC-12 Rev. C-P2, 09.03.2021 and / or other technical relevant documents	
99	ENGINE RUN-UP IN TUNNEL IAW AMM 12-B-71-00-00-00A-903A-A TABLE 6 // PERFORMED AND FOUND SATISFACTORY
110	057010 - MINOR ENGINE INSPECTION // PERFORMED
7101	710070 - N°1 ENGINE - CHECK FCU MANUAL OVERRIDE SYSTEM FOR STATIC OPERATION IAW EMM 71-00-00 PERFORMED SATISFACTORY
7201	720030 - N°1 ENGINE - CHECK ALL ACCESSIBLE CONNECTIONS, CLAMPS AND BRACKETS FOR ATTACHMENT IAW EMM 72-00-00 NOTE: INSPECT ACCESSIBLE LOCKWIRE AND SAFETY CABLE FOR SECURITY AND INSTALLATION. PERFORMED SATISFACTORY
7202	720040 - N°1 ENGINE - CHECK CLAMPS, BRACKETS, TUBES/LINES, LINKAGES FOR CHAFING, CRACKS AND CORROSION IAW EMM 72-00-00 NOTE: VISUALLY INSPECT INSULATED AIR TUBES FOR SIGN OF SWELLING, CRACKING, BULGING OF RUBBER SHEATH MATERIAL VISUALLY INSPECT EXTERNAL OIL PRESSURE TUBE ELBOW AND COUPLING FOR CRACKS. VISUALLY INSPECT THE COMPRESSOR INLET CASE FOR THE SIGNS OF CORROSION. REPAIR THE COMPRESSOR INLET CASE, IF CORROSION IS PRESENT. PERFORMED SATISFACTORY
7203	720050 - N°1 ENGINE - CHECK ACCESSORIES ATTACHMENT AND LINKAGES, AIR, OIL AND FUEL LINES IAW EMM 72-00-00 NOTE: VISUALLY INSPECT INSULATED AIR TUBES FOR SIGN OF SWELLING, CRACKING, BULGING OF RUBBER SHEATH MATERIAL. REFER TO REPAIR SECTION AND SB14441. REPLACE AS NECESSARY. PERFORMED SATISFACTORY
7204	720070 - N°1 ENGINE - INSPECT FOR OIL AND FUEL LEAKS AS APPLICABLE IAW EMM 72-00-00 PERFORMED SATISFACTORY
7205	722010 - N°1 ENGINE - INSPECT THE AIR INLET SCREEN FOR CLEANLINESS IAW EMM 72-20-00 PERFORMED SATISFACTORY
7206	722020 - N°1 ENGINE - WITH INLET SCREEN REMOVED OR ALTERNATIVELY WITH BORESCOPE, INSPECT COMPRESSOR INLET CASE OVERALL SURFACE AREAS AND STRUTS FOR CORROSION IAW EMM 72-20-00 PERFORMED ON WP 43202 REFER TO TASK 37101 FOR DETAILS
7207	723026 - N°1 ENGINE - INSPECTION/CHECK GAS GENERATOR CASE EXTERNAL SURFACES, AND FIRESEAL MOUNT RING BRACKETS FOR CRACKS, DISTORTION, AND CORROSION IAW EMM 72-30-04 PERFORMED SATISFACTORY
7208	723036 - N°1 ENGINE - INSPECTION/CHECK FIRESEAL MOUNT RINGS FOR CRACKS AND ATTACHMENT OF BRACKETS AND SEALS IAW EMM 72-30-01 PERFORMED SATISFACTORY
7209	725026 - N°1 ENGINE - INSPECTION/CHECK EXHAUST DUCT FOR CRACKS AND DISTORTION IAW EMM 72-50-05 PERFORMED SATISFACTORY
7210	710019 - N°1 ENGINE - DO A VISUAL INSPECTION OF THE FIRST-STAGE COMPRESSOR ROTOR WITH A MIRROR OR A BORESCOPE IAW EMM 72-30-05 PERFORMED ON WP 43202 REFER TO TASK 37101 FOR DETAILS
7301	731031 - N°1 ENGINE - DO A CHECK OF THE FUEL PUMP (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 72-00-00 PERFORMED SATISFACTORY
7302	731045 - N°1 ENGINE - DO A CHECK OF THE OIL-TO-FUEL HEATER (IN-SITU INSPECTION ONLY) FOR INSTALLATION IAW EMM 73-10-01 PERFORMED SATISFACTORY

Sign: Reference CRS- 43682 Rev: / (Only in case of revision) Page 1 of 2

Inspection de douane Genève Aéroport / Service Aviation
 Contrôle des travaux de maintenances effectué
 02.06.21

Certificate of Release to Service

Aircraft Type	PC12-47E
Registration	HB-FWC
S/N	1702
WP	43682

ENGINE #1

7302	731045 - N°1 ENGINE - DO A CHECK OF THE OIL-TO-FUEL HEATER (IN-SITU INSPECTION ONLY) FOR INSTALLATION IAW EMM 73-10-01 PERFORMED SATISFACTORY
7303	731056 - N°1 ENGINE - INSPECT PNEUMATIC TUBES AND LINES FOR CRACKS AND DAMAGES ESPECIALLY AT THE END FITTINGS AND JOINTS PERFORMED IAW EMM 72-00-00 SATISFACTORY
7304	731085 - N°1 ENGINE - DO A CHECK OF THE DRAIN VALVE (IN-SITU INSPECTION ONLY) OF INSTALLATION AND LEAKAGE IAW EMM 72-00-00 PERFORMED SATISFACTORY
7305	731091 - N°1 ENGINE - DO A CHECK OF THE FLOW DIVIDER (IN-SITU INSPECTION ONLY) FOR INSTALLATION AND LEAKAGE IAW EMM 72-00-00 PERFORMED SATISFACTORY
7306	731150 - N°1 ENGINE - CHECK OUTLET FILTER FOR FOREIGN MATTER OR DISTORTION IAW EMM 73-10-02 PERFORMED SATISFACTORY
7307	732020 - N°1 ENGINE - CHECK FCU FOR INSTALLATION, LINKAGES AND PNEUMATIC LINES IAW EMM 72-00-00 PERFORMED SATISFACTORY
7901	790091 - N°1 ENGINE - INSPECT FUEL AND OIL LINES FOR LEAKS IAW EMM 72-00-00 PERFORMED SATISFACTORY
7902	790093 - N°1 ENGINE - CHECK SCAVENGE OIL PUMP HOUSING FOR LEAKS IAW EMM 72-00-00 PERFORMED SATISFACTORY

5 The following corrections have been accomplished

N/A

6 Work Deferred

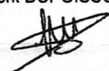
N/A

7 Work Cancelled

N/A

8 Certificate of Release to Service

The undersigned certifies that the work specified except as otherwise specified was carried out in accordance with Part-145 and in respect to that work the aircraft/aircraft component is considered ready for release to service.

Date (dd-mm-yy)	Name and Signature	Stamp	EASA Approval Ref. N° :
11 MAY 2021 Location GENEVA	Vincent DUPOISSON 	TAG Maintenance Services SA CH.145.0248 66 B1/B2/C-FR010071 DUPOISSON V.	CH.145.0248