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TP3910E

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

POWER SECTION MODULE LOG BOOK

Second Edition

January 1987

Canada



ENGINE LOG

1. Make Pratt & Whitney Canada Corp
2. Model PT6A- 64
3. Specification B/S: 758 E.T.C E-21
4. Manufacturer's Serial Number PS- PH 0153
5. Date of Manufacture APRIL 2003
6. Aircraft Inspection Cycle _____

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUGHT FORWARD →

30 APR 03 0 0 0 0

New engine final acceptance test completed satisfactorily and is in condition for safe operation.



06/2003 - - - - Pose sur TBM700 n° 264

04/06/2003 2 00 2 00 Point fixe

06/06/2003 1 00 3 00 Vol d'essai constructeur

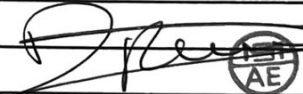

11/06/2003 0 30 3 30 Vol d'essai constructeur

16/06/2003 0 25 3 55 Vol d'essai constructeur

Arrêté présent livret à la SOCATA

le 16/03 au total de 3^h55

Visa du Département Qualité

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

This Power Section module is combined with
Gas Generator.

S/N: PCE- PM0153 ✓

NG/N0 34800 Rpm, at 850 Shp/δ√0

ITT Trim: 16.3 C°

T5 Trim resistance: 60.9 Ohms

Denis L (C) T.C.4-58
DENIS CAUDREAU NO.013

SOCATA - DEPARTEMENT QUALITE
VERIFICATION et ENTRETIEN STOCKAGE



Agrement de Production
JAR 21 N° E.G. 027

Engine Model PT6A-64 SN PCE-PM0153
N700JD TBM700 AC Hour meter:1020.1
TTSN-1020.1 TCSN-UNK
TSO-1020.1 TCSO-UNK
POWER SECTION SN PS-PM0153
TTSN-1020.1 TCSN-UNK

StandardAero

1029 Ross Drive Maryville TN 37801
Approved FAA Repair Station # AEOR215N

- REMOVED PWR SECTION DUE TO PROPELLER STRIKE PER SOCATA TBM700 MM REV. JAN/06 AND PWC MM PN 3038321 REV. APR 11/2008, CHAPTER 72-00-00.

I certify that the work specified above was carried out in accordance with the FAA airworthiness regulations and with the respect to the work performed the Part(s) is (are) approved for return to service in accordance with FAR 43.9.
Pertinent details of the work performed are on file at this repair station under work order no SD69153. Date 18 Sept. 2008

George Salazar

PT6 Field Service Rep.

FS
24

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

BROUG
FORWA

Work Completed

StandardAero

Date 10-Oct-08

Serial # PS-PM0153

Model # PT6A-64

W/O # SW673689

Pratt & Whitney PT6A-64 Power Section S/N PS-PM0153 has been repaired for Prop strike in accordance with Pratt & Whitney Manual 3038322 dated July 18, 2008 and the current maintenance rules of the Canadian Aviation Regulations. Prop Governor s/n 13483049 NEW and Overspeed Governor s/n 13373453 J were overhauled and reinstalled. The following parts were installed: Bearing p/n3032208, Bearing p/n3032615, Bearing p/n3072811-01 and Bearing p/n3072721-01. Further maintenance, inspection or test may be required prior to the product's acceptance for return to service. The work performed is approved in compliance with CAR 571, FAR Part 43.17 and EASA Part-145 (reference EASA Approval Certificate EASA.145.7059).

RDA repairs incorporated:

None

No RDA Repairs have been incorporated this visit.

Power Section S/N PS-PM0153 TTSN 1020.1 TSO/V No Prev TCSN 850 CSO No Prev
All pertinent details of work performed are on file at this organization under Work Order No. SW673689. ***End***

Standard Aero Limited
33 Allen Dyne Road
Winnipeg, Manitoba R3H 1A1 (204) 775-9711

Authorized Signatory

Christopher Bell

Approved Maintenance Organization #22-58

SAL
552
Q1

Engine Model PT6A-64 SN PCE-PM0153
N700JD TBM700 AC Hour meter:1020.1
TTSN-1020.1 TCSN-850
TSO-1020.1 TCSO-UNK
POWER SECTION SN PS-PM0153
TTSN-1020.1 TCSN-850

StandardAero

1029 Ross Drive Maryville TN 37801
Approved FAA Repair Station # AEOR215N

- INSTALLED PWR SECTION AFTER REPAIR FOR PROPELLER STRIKE PER SOCATA TBM700 MM REV. JAN/06 AND PWC MM PN 3038321 REV. APR 11/2008, CHAPTER 72-00-00. SERVICED WITH BP2380 TURBINE OIL AND COMPLETED GROUND LEAK CHECK, RIGGING AND PERFORMANCE RUNS.

I certify that the work specified above was carried out in accordance with the FAA airworthiness regulations and with the respect to the work performed the Part(s) is (are) approved for return to service in accordance with FAR 43.9.

Pertinent details of the work performed are on file at this repair station under work order no SD691658. Date 15 Oct. 2008.

George Salazar

PT6 Field Service Rep.

FS
24

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE

RELEASE CERTIFICATE

CCA 24-0078

3. Form tracking No.

ARC S9667

REPAIR

ENTRIES. DRAW A DIAGONAL LINE

5. Work Order/contract/invoice

SW673689

MANITOBA, CANADA R3H 1A1

9. Eligibility*

N/A

10. Qty

1

11. Serial/batch No.

PS-PM0153

12. Status/Work

Repaired

Required for Prop strike in accordance with Pratt & Whitney Manual 3038322 dated July 18, 2008 and p Governor s/n 13483049 NEW and Overspeed Governor s/n 13373453 J were overhauled and ring p/n3032615, Bearing p/n3072811-01 and Bearing p/n3072721-01. Further maintenance, return to service. The work performed is approved in compliance with CAR 571, FAR Part 43.17 (59).

his visit.

ISO/V No Prev TCSN 850 CSO No Prev
der Work Order No. SW673689. ***End***

19.

Certifies that, except where otherwise specified in block 13, the work identified in block 12 and described in block 13 was performed in accordance with CAR 571.



CAR 571.10 Maintenance release.



Other regulations specified in block 13.

20. Authorized signature

21. Certificate/Approval ref. No.



AMO 22-58

22. Name

Christopher Bell

23. Date (dd/mm/yyyy)

10/Oct/2008

other than the authority specified in block 1, the installer must ensure that his/her airworthiness

record must contain an installation certification, issued in accordance with the national regulations of

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN	TIME SINCE OVERHAUL	INSTALLATIONS	INSPECTIONS	LETE
BROUGHT FORWARD					
HR:					
AVEX, Inc.		C.R.S. X1ID595Y		Page 1 of 2	
11804 Corporate Way Broomfield, CO 80021 (720) 399-8008 Fax: (720) 541-9001					
ENGINE	Pratt & Whitney PT6A - 64	S/N PM0153	N700LG		
Work Order:	15953	TTSN: 1937.1	Date: 7/24/2020		
Tach:	Hobbs: 1937.1	TCSN: 1416	TSO:	CSO:	
1.	Complied with a "B" Inspection plus Annual I.A.W. Daher MM Chapters 05-20-03 and 05-20-05 and Pratt & Whitney PT6A-64 MM. All AD's checked through revision 2020-14; see AD compliance record provided with the airframe logbook. Daher checklist meets requirements of 14 CFR 91.409 and 14 CFR 43 Appendix D.				
2.	Performed pre-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.				
3.	Complied with the annual or 200 hour engine periodic inspection I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72-00-00 Table 601.				
4.	AD 2012-09-10, PMA parts installed in engine reduction gearbox after 12/22/08, does not apply due to no record of the affected parts installed after 12/22/2008.				
5.	Complied with 1000 hour replacement of the engine oil filter with new I.A.W. Pratt and Whitney PT6A-64 MM Chapter 79.				
6.	Complied with the 1000 hour replacement of the P-3 filter with new I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73.				
7.	Complied with the 600 hour replacement of the engine high pressure fuel pump outlet filter with new and the 600 hour check and cleaning of the fuel pump inlet screen I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73.				
8.	Complied with the 400 hour cleaning and flow check of the engine fuel nozzles per Dallas Airmotive APO 12298. Installed the aircraft fuel nozzles P/N 3023670 S/N 1415 after cleaning and flow check I.A.W. Pratt and Whitney PT6A-64 MM Chapter 73. Op and leak checks good.				
9.	Complied with the 400 hour borescope inspection of the hot section I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No defects found at this time.				
10.	Complied with the C.T. disc desalination and compressor power recovery wash I.A.W. Pratt and Whitney PT6A-64 MM Chapter 71.				
11.	During propeller hand rotation there is a loud rubbing sound in the power section. Removed power				

AVEX, Inc.

C.R.S. X1ID595Y

Page 2 of 2

11804 Corporate Way Broomfield, CO 80021 (720) 399-8008 Fax: (720) 541-9001

ENGINE	Pratt & Whitney PT6A - 64	S/N PM0153	N700LG	
Work Order:	15953	TTSN: 1937.1	Date: 7/24/2020	
Tach:	Hobbs: 1937.1	TCSN: 1416	TSO:	CSO:

- section and Pt stator housing and found light rub; condition is acceptable. Re-clocked Pt vane ring and re-assembled power section I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. Ops checked propeller rotation with normal conditions observed.
- During inspection of fuel inlet filter, found inlet screen cover damaged. Removed and replaced inlet screen cover with new I.A.W. Pratt and Whitney MM PT6A-64 Chapter 73.
 - During borescope inspection of the 1st stage compressor, found multiple blades with nicks. Performed full blend I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
 - Checked for exceedances. Noted the following engine ITT exceedance recorded on the Shadin Engine exceedance page: 12Jun20, 804 degrees, Duration 15 seconds. The ITT exceedance was plotted on the Temperature Limits chart I.A.W. Pratt & Whitney PT6A-64 MM, chapter 71; figure 501 falling into the "No Action Required" category. No further action required at this time.
 - Borescoped through the exhaust duct drain I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72.
 - Oil sample sent to Pratt & Whitney for analysis I.A.W. Pratt and Whitney PT6A-64 MM Chapter 79
 - Performed post-maintenance borescope of engine first stage compressor blades I.A.W. Pratt and Whitney PT6A-64 MM Chapter 72. No changes noted between pre and post maintenance.
- This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 15953.

TOTAL THIS P/

TOTAL FRO
PREVIOUS SUMM...

(LBID:16868)

For: FAA Approved Repair Station C.R.S. X1ID595Y

Date

7-24-20

MAINTENANCE RECORD

3

ENTR

Model PT6A-64
S/N # PM0153
Reg. # N700LG
CSN 1496

Atlanta Turbine Management
500 Briscoe Blvd
Lawrenceville, Georgia 30046

Date: 6/10/21
TSN 2064.4
Hobbs 2064.4
Invoice 7578

LICENCE
NUMBER

- ◆ C/W an A+ Annual Inspection IAW TBM MM. 91.409(A)(1). 14 CFR part 43 appendix D.
- ◆ All A.D.'s in compliance through Bi weekly 2021-12.
- ◆ C/W a 12 mo. 200 hour compressor wash IAW PT6A MM.
- ◆ Applied corrosion inhibitor treatment, corrosion X to inlet case IAW PT6 Sil-213.

This aircraft and or component identified above was repaired and inspected in accordance with current federal air regulations and was found to be airworthy for return to service. Pertinent details are found on file under invoice number.

I certify this **Engine** has been Inspected IAW an **Annual inspection** and has been found to be in Airworthy condition.

[Signature]

A&P138745785IA

TBM

SERVICE CENTER