



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook GAS GENERATOR MODULE LOG BOOK

TC-1001185



05/2005

Canada

Volume #: 1

Opened on: 08 MAR 2017

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series - E.T.C. E- R1 PT6A- 66D B/S: 1354

3. Serial Number PCE- RVO527

Other related Transport Canada Publications:

TP 14089B
TP 14058E/F

Previous Edition:

TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

Please direct your comments, orders and inquiries to:

Transport Canada
Civil Aviation Communications Centre (AARC)
Place de Ville,
Tower C, 5th Floor
330 Sparks Street
Ottawa, ON K1A 0N8

Telephone: 1 800 305-2059
Fax: 613 957-4208
E-mail: services@tc.gc.ca

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Transport (2005).

® Permission granted for internal use only:

This publication may be reproduced for internal use only without permission, provided the source is fully acknowledged. However, multiple copy reproduction of this publication in whole or in part for purposes of resale or redistribution requires prior written permission from the Minister of Public Works and Government Services, Ottawa, Ontario, Canada K1A 0S5 or at copyright.droitdauteur@communication.gc.ca.

TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
08 MAR 2017	0.0	N/A	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.
05 Avril 2017	1H20	0.0	1	Vol et essai constructeur
07 Avril 2017	2H30	0.0	2	
24 Avril 2017	3H40	0.0	3	
25 Avril 2017	4H50	0.0	4	
Arrêté présent livret à la SOCATA le 25/04/17 au total de 4H50				
Visa du Département Qualité				
MAY 10/2017	7.3		5	
MAY 10/2017	10.5		6	
MAY 11/2017	15.1		7	
MAY 11/2017	18.2		8	
MAY 11/2017	20.0		9	
MAY 12/2017	21.1		10	

This Gas Generator module is combined with Power Section.
 S/N: PS- RV0527
 NG/NO 34750 RPM, at 850 SHP 18V
 ITT Trim: 8.1 C°
 T5 Trim resistance: 113.2 Ohms



SOCATA - DEPARTEMENT QUALITE
 VERIFICATION et ENTRETIEN STOCKAGE

DAHER
SOCATA
 Agrément de Production
 FR-21G-0027

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO	
May 26 / 2017	23.3		12	<p>Corporate Aircraft Restorations Inc. SOCATA TBM 700 s/n 1178</p> <p style="text-align: center;">C-FH7H</p> <p style="text-align: right;">WORK ORDER #2017-3687 May 26, 2017</p> <ol style="list-style-type: none"> Times brought forward from U.S.A. logbooks. Total Time Since New 23.3 Hours and 12 aircraft landings. Pratt & Whitney Canada Corp. engine model E.T.C.E.-21 PT6A-66D B/S 1354 Power Section s/n RV0527. T.T.S.N. 23.3 hours. T.C.S.N. 12 and ETCE-21 PT6A-66D B/S 1354 Gas Generator s/n RV0527 T.T.S.N. 23.3 T.C.S.N. 12. Hartzell Propeller Inc. Model HC-E5N-3C/NC8834K, hub s/n RJ285, blade s/n 1 B3127, 2 B5086, 3 B5213, 4 B5241, 5 B5243 T.T.S.N. 23.3 hours. Importation completed this date in accordance with Canadian Aviation Regulations CAR 507.07(1) to (4). Aircraft, engine and propeller imported under USA Export Certificate of Airworthiness No. E350538 signed by Stephen M Kelly, dated May 16, 2017, Designee Number DART-801025NE. Canadian Type Certificate A-176 specifications inspected for and found to be in compliance. Canadian registration applied to the fuselage in accordance with CAR 222.02. Emergency locator transmitter ARTEX p/n A3-06-2749-1, s/n 251-09766 recoded to C-FH7H Hex Code C01472 by Field Aviation W.O. FAEL SR: 78423. Next test May 24, 2018 next battery June 2023. External ELT location placarded and remote switch placard required by CAR 551.104 installed. All Airworthiness Directives and applicable Service Bulletins to this date are complied with. "This aircraft has been inspected and found to conform to the Canadian Type Certificate A-176 issue NO. 7 and the European Aviation Safety Agency TCDS EASA.A.010 issue NO. 10" Standby altimeter, Air Data computer #1 and #2, and Transponders #1 and #2 have been tested and certified by the manufacturer to the standard 14CFR 91.411, 91.413 and 14CFR part 43 appendix E and F. Next certification due March 23, 2019. Mode S transponders recoded to ICAO hex code C01472. Standby compass deviation card verified, next swing due May 4, 2020. New First Aid Kit installed as required by CAR 602.60(1)(h); contents comply to Part VI - General Operating and Flight Rules. Acceptable Fire Extinguisher installed. No physical inspection or work required to Import this aircraft. Verification of Canadian requirements completed to determine conformity to Canadian Aviation Regulations. This aircraft (to include engine, propeller and all components forming part of) will be maintained in accordance with Transport Canada approved Small Aircraft Maintenance Schedule number PAH-FH7H-TBM850 most current revision. 			
<p>"The described maintenance has been performed in accordance with the applicable airworthiness requirements."</p>					<p style="text-align: center;"><i>Douglas</i></p>		
<p>Signed: <u><i>[Signature]</i></u> Licence: <u>826735</u></p>							

Oct 27/2017 210.4

Corporate Aircraft Restorations Inc. Warranty # 8888
C-FHTH
TTSN: 210.4 Engine Cycles: 89

WORK ORDER #2017-3940
SOCATA TBM 700 s/n 1178
Engine s/n PCE-RV0527

Oct 27, 2017

Engine Work Performed:

1. A inspection (NOT Annual) performed as per TBM 700 MM 05-20-02 with reference to T.C. Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850.
2. Oil sample and filter rinse patch taken for analysis. Oil filter cleaned, inspected and reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). Second oil sample taken and sent to P&WC.
3. Beta ring inspected serviceable and carbon block (p/n: A3026) replaced with new as per Hartzell 147.
4. Propeller assembly inspected for condition and security.
5. Fuel pump outlet filter replaced with new (AN6235-3A). New o-rings installed (M25988/1-928, M25988/1-212).
6. Spark igniters removed, inspected and reinstalled with new gaskets (p/n: 3010880). Igniter box tested as per PWC MM 74-00-00 and lockwired.
7. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Unit refilled with MIL-PRF-5606.
8. RGB and AGB chip detectors tested for continuity and reinstalled with new o-rings (p/n: AS3209-115).
9. AGB & RGB scavenge pump inlet screen inspected clean and new O ring (p/n AS3209-019).
10. P3 air filter cleaned, inspected and reinstalled with new o-rings. (p/n: MS9386-126, MS9386-015, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable.
11. Engine control linkages inspected, no defects found.
12. Accomplished minor engine inspection as per PWC MM 72-00-00 table 601.
13. Torque limiter function check performed during maintenance run.

Airframe Work Performed:

1. Landing gear inspected for condition and leaks, found serviceable, landing gear axles greased.
2. All landing gear shock-absorbers pressure reset as per MM 12-14-01, 12-14-02.
3. All wheel bearings cleaned, inspected, greased and reinstalled.
4. Static dischargers checked for resistance and continuity, RH elevator O/B discharger found out of spec, replaced with new (p/n: 6015607230).

AD's and SB's.

1. SB70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per paragraph C.

Corporate Aircraft Restorations Inc
C-FHTH
T.A.T. 270.9

WORK ORDER #2018-4046
SOCATA TBM 910 s/n 1178

March 1, 2018

Work Performed:

1. Performed engine compressor rinse as per PWC MM 3021-442 chapter 71-00-00. Engine run performed all parameters normal.
2. Aircraft exterior washed & boots cleaned and sealed with PBS boot sealant.
3. Trend data downloaded.

Douglas

[Signature]

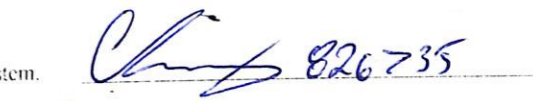
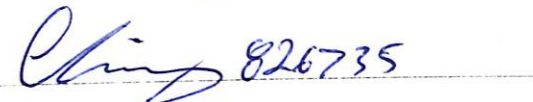

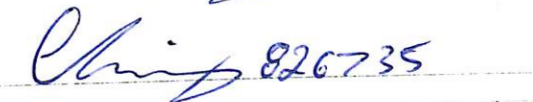
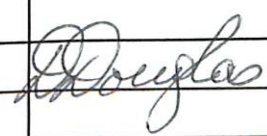
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
June 1/2018	324.4			<p>Corporate Aircraft Restorations Inc. C-FHTH TTSN: 324.4</p> <p>Warranty quote #: 9415 Engine Cycles: 141</p> <p>WORK ORDER #2018-4140 SOCATA TBM 910 s/n 1178 Engine s/n PCE-RV0527</p> <p>June 1 2018</p> <p>B+ inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM700.</p> <p>Engine work performed:</p> <ol style="list-style-type: none"> Propeller assembly inspected for condition and security. found serviceable. Propeller lubricated with Shell grease #6. Beta ring inspected and carbon block (p/n: A3026) replaced with new as per Hartzell 147. Torque limiter function checked during maintenance run and found to be functioning normally. Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-20-01. found serviceable. Spark igniters inspected, checked for cleanliness and erosion. Igniters installed with new gaskets (p/n: 3010880) Igniter box tested as per PWC MM 74-00-00 and lockwired. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Unit topped up with MILH 5606. Performed engine compressor rinse as per PWC MM 3021442 71-00-00. Oil sample and filter rinse patch taken for analysis. Oil filter cleaned, inspected and reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). Second oil sample taken and sent to P&WC. P3 air filter cleaned, inspected and reinstalled with new o-rings. (p/n: MS9386-126, MS9386-015, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable. Fuel pump outlet filter replaced with new (AN6235-3A). New o-rings installed (M25988/1-928, M25988/1-212). RGB chip detector inspected, tested for continuity and reinstalled with new o-ring (p/n: AS3209-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (M83248/1-019). AGB chip detector inspected, tested for continuity and reinstalled with new o-ring. (p/n: AS3209-115) AGB scavenge screen inspected clean. Main battery capacity checked by Enterprise Air Inc. under w/o: 10021, passed at 96.6%. Accomplished minor engine inspection as per PWC MM 72-00-00 table 601. Hot section inspected by EAI under w/o: 10021 and no defects found. Fuel manifold adapters and fuel nozzles flow tested by Q1 Aviation under w/o: 130978. Fuel nozzles reinstalled with 58 new o-rings (p/n: AS3209-009) and 14 new gaskets (p/n: MS9371-16). Pilot reported intermittent prop heat fail. Prop heat boot resistance checked ok. 5 molex connector cable ties replaced with new (p/n: B-3852-2-0) Beta ring cleaned and smoothed with 1000 grit sand paper. Prop heat function tested ok. Oil leak found at starter/generator drive pad. Starter/generator drive pad seal replaced with new (p/n: 3059046-01) and gasket (p/n: ST3277-01). Nuts (p/n: ST3066-11) washers (p/n: MS9320-11) retaining ring (p/n: AS3215-128) and o-ring (p/n: AS3209-030) replaced with new. 		
				<p>15. ELT sent to Vision Avionics for recertification under w/o: 50380 and reinstalled. Next test due May 2019. Battery due June 2023.</p> <p>16. First aid kit inspected serviceable. Fire extinguisher inspected serviceable.</p> <p>17. Gaseous oxygen system inspected serviceable. PAX masked dropped, cleaned, inspected and repacked.</p> <p>18. Low level fuel test performed and found to be serviceable. New o-rings installed on drain valves (p/n: 7423550073).</p>		
				<p>Discrepancies:</p> <ol style="list-style-type: none"> LH wing root found with minor fuel leak. Inboard most fuel panel removed and new PRC sealant applied to inside of tank. L and R brakes pads found worn. All pads replaced with 64 new (p/n: 109-01500) with 128 new rivets (p/n: 105-00900). Pressure and reactor plates reconditioned with new primer. 		
				<p>AD's and SB's:</p> <ol style="list-style-type: none"> SB 70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C. SB 70-254 Oil cooler air induction duct. Removal of the four upper fins of the oil cooler air induction duct. 		
				<p>Dual inspection performed on affected areas of the aileron and flap systems.</p>		
				<p>Airframe work performed:</p> <ol style="list-style-type: none"> B35, B36, B37, B38 servo actuators slip clutch manual override test performed, found serviceable. B35, B36, B37 servo cable tension and safety checked, found to be within limits. Rudder cables tension and safety checked, found serviceable. Elevator trim cable tension and safety checked, found to be within limits. Spoiler cables and aileron cables tension and safety found serviceable. Flap rollers removed, cleaned, inspected serviceable lubricated and reinstalled. Landing gear inspected for condition and leaks, found serviceable, landing gear axles greased. All landing gear shock-absorbers set to proper pressure as per MM 12-14-01. MM 12-14-02. All wheel bearings cleaned, inspected, greased and reinstalled. External skin and static ports inspected for condition and cleanliness, no defects found. All static dischargers checked for resistance and found to be within spec as per MM 23-60-00-501. Water separator filter inspected clean and dry, reinstalled with new o-rings (p/n: 7423360015, 7423360051). All under floor drains found clear and pliable and E-exit drain clear and pliable. 		
				<p>Signature: <i>Douglas</i></p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
				Corporate Aircraft Restorations Inc. C-FHTH T.A.T. 391.8 Work Performed: November 16, 2018 WORK ORDER #2018-4308 SOCATA TBM 910 s/n 1178 1. Performed engine compressor rinse as per PWC MM 3021442 chapter 71-00-00. Engine run performed all parameters normal. 2. A tire pressures set to specification. 3. Oxygen topped up to 1750 PSI. 4. Trend data downloaded.	<i>[Signature]</i>	
March 12/19				Corporate Aircraft Restorations Inc. C-FHTH T.A.T. 471.0 Work Performed: March 12, 2019 WORK ORDER #2019-4414 SOCATA TBM 910 s/n 1178 1. Performed engine compressor rinse as per PWC MM 307 0902 Rev. 18.1 July 27, 2017 chapter 71-00-00. New drain plug gasket (p/n 3023431) installed. Engine run performed all parameters normal.	<i>Douglas</i>	
				Corporate Aircraft Restorations Inc. C-FHTH T.A.T. 421.5 Work Performed: January 9, 2019 WORK ORDER #2019-4350 SOCATA TBM 910 s/n 1178 1. Performed engine compressor rinse as per PWC MM 3020902 Rev. 18.1 July 27, 2017 chapter 71-00-00. Engine run performed all parameters normal. 2. A tire pressures set to specification. 3. Oil and Oxygen topped up. 4. Trend data downloaded.	<i>[Signature]</i>	
			Cycles: 200	Corporate Aircraft Restorations Inc. C-FHTH TTSN: 491.6 Work performed: 22-Apr-2019 WORK ORDER #2019-4448 SOCATA TBM 910 s/n 1178 Engine s/n PCF-RV0527 1. Performed engine compressor rinse as per PWC MM 3070902 71-00-00	<i>[Signature]</i>	

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
July 9/2019				<p>Corporate Aircraft Restorations Inc. C-FHTH TTSN 516.5</p> <p>Cycles 225</p> <p>WORK ORDER #2019-4524 SOCATA TBM 910 s/n: 1178 Engine s/n PCE-RV0311</p> <p>14-Jun-2019</p> <p>A+ (2 year) inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850.</p> <p>Engine work performed:</p> <ol style="list-style-type: none"> Propeller assembly inspected for condition and security, no defects noted. Propeller lubricated with Aeroshell 6 grease. Beta ring inspected serviceable. Beta block replaced with new (p/n: CA3026). Torque limiter function checked during maintenance run and found to be functioning normally. Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-20-01, found serviceable. Spark igniters inspected, checked for cleanliness and erosion, no defects noted. Igniters reinstalled with new gaskets (p/n: 3010880). Igniter box tested as per PWC MM 74-00-06 and lockwired. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Unit topped up with M2LH 5606. Performed engine compressor rinse as per PWC MM 3070902 71-00-00. Oil filter removed, cleaned and inspected, no defects noted. Oil filter reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). Oil sample and filter rinse patch sample taken for analysis. Second oil sample taken and sent to PWC. P3 air filter removed, cleaned, inspected and reinstalled with new o-rings. (p/n: M83248/1-126, M83248/1-115, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable. Fuel pump outlet filter replaced with new (p/n: 3059779-01). New o-rings installed (p/n: M25988/1-928, M25988/1-212). RGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: AS3209-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (p/n: M83248/1-019). AGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248/1-115). AGB scavenge pump inlet screen inspected clean. Main battery (p/n: RG380E/44 s/n: 40351543) capacity checked by Enterprise Air Inc. under w/o: 10484 and passed at 91.5%. Accomplished minor engine inspection as per PWC MM 72-00-60 table 601. Compressor belt replaced with new (p/n: 6046297261). Standby generator belt replaced with new (p/n: 7133280007). Fuel unit filter replaced with new (p/n: 6007707270) with new o-rings (2x p/n: 7423800088, 1x 6071017253). Standby generator brushes replaced with new (p/n: ALE1013ES). <p>Airframe work performed:</p> <ol style="list-style-type: none"> B35, B36, B37, B38 servo actuators slip clutch manual override test performed, found serviceable. P35, B36, B37 servo cable tensions checked. All servo cable tensions found low, tensioned in % as per MM 20-10-01, 05 and 22-11-03. New locking tab washers installed (p/n: 5759013160). Rudder cables tension checked, found serviceable. Elevator trim cables tension checked, found serviceable. Spoiler cables checked for tension and safety, found serviceable. Aileron cables checked for tension and safety, found serviceable. Flap rollers removed, cleaned, inspected serviceable, lubricated and reinstalled. Landing gear inspected for condition and leaks, found serviceable. Landing gear axles greased. All landing gear shock-absorbers set to proper pressure as per MM 12-14-01, MM 12-14-02. All wheel bearings removed, cleaned, inspected serviceable. All wheel bearings greased and reinstalled. External skin and static ports inspected for condition and cleanliness, no defects found. All static dischargers checked for resistance and found to be within spec as per MM 23-60-00-501. Water separator filter inspected, debris found. New filter installed (p/n: 6045807228) with new o-rings (p/n: 7423060062, 7423360051, 7423360010). All under floor drains and E-Exit drain found clear and pitiable. ELF sent to Vision Avionics for recertification under w/o: 50738 and reinstalled. Next test due June 2020. Battery due June 2023 (HEX ID: 27878028E4FFRFF). First aid kit inspected serviceable. Fire extinguisher inspected serviceable. Gaseous oxygen system inspected serviceable. PAX masks dropped, cleaned, inspected and repacked. Outflow and safety valves inspected, seats cleaned. Lightweight data recorder operation checked, found serviceable. Pitot tubes inspected for condition and attachment, found serviceable, no evidence of overheating found. 		
Discrepancies					<ol style="list-style-type: none"> LH main tire replaced with new (p/n OFF: 185F03-5 s/n OFF: 63432110 p/n ON: 185F03-5 s/n ON: 83442055). RH main tire replaced with new (p/n OFF: 185F03-5 s/n OFF: 63442443 p/n ON: 185F03-5 s/n ON: 83452226). LH and RH brake pressure and reactor plates reconditioned as per CMM. LH and RH brake pads replaced with new (p/n: 109-01500) using new rivets (p/n: 105-00900). 	
AD's and SB's:					<ol style="list-style-type: none"> SB 73-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C. SB 73-262 QAD Mounting Non-Conformity. QAD Mount kit exchanged for reworked kit (kit p/n: KG94K-1) using new hardware (4x p/n: 7228511801) new o-ring (p/n: M83248/1-113) and new gasket (p/n: ST3277-01). Starter/generator reinstalled as per MM24-30-03. SB 73-260 Aileron's Brush. Aileron brushes trimmed as per SB to reduce the contact surface between the aileron and the brush. 	
Dual inspection performed on affected areas of the aileron/spoiler system.						
Dual inspection performed on affected areas of the flap system.						
Dual inspection performed on B35, B36, B37 servo cables.						
Dual inspection performed on elevator push/pull rod.						
						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
Dec 4/2019				Corporate Aircraft Restorations Inc. C-FHTH T.A.T. 588. Work Performed: 1. Re inlet heat insulation sleeve (p/n T700H3020019B) replaced new. 2. Performed engine compressor rinse as per PWC MM 307 0902 Rev. 18.1 July 27, 2017 chapter 71-00-00. New drain plug gasket (p/n 3023431) installed. Engine run performed all parameters normal.

Date	Time since new	Time since overhaul	Total cycles	Details of task
				Corporate Aircraft Restorations Inc. C-FHTH TTSN: 679 Warranty Quote # 11998 19-Jun -2020 Cycles: 295 WORK ORDER #2020-4908 SOCATA TBM 910 s/n: 1178 Engine s/n PCE-RV0527 C+ inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850. Engine work performed: 1. Propeller assembly inspected for condition and security, found serviceable. Propeller lubricated with Aeroshell 6 grease. 2. Beta ring inspected serviceable. Beta block replaced with new (p/n: CA3026). 3. Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-20-01, found serviceable. 4. Spark igniters inspected, checked for cleanliness and erosion, no defects noted. Igniters reinstalled with new gaskets (p/n: 3010880) Ignition exciter inspected for condition and attachment, found serviceable. Ignition exciter tested as per PWC MM 74-00-00 and lockwired. 5. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Reservoir topped up with MILH 5606. 6. Performed engine compressor rinse as per PWC MM 3070902 71-00-00. New drain gasket installed (p/n: 3023431). 7. Oil filter removed, cleaned, inspected, no defects noted. Oil filter reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). 8. Oil sample and filter rinse patch sample taken for analysis. Second oil sample taken and sent to PWC. 9. P3 air filter removed, cleaned, inspected and reinstalled with new o-rings. (p/n: M83248/1-126, M83248/1-115, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable. 10. Fuel pump outlet filter replaced with new (p/n: 3059779-01) and new o-rings installed (p/n: M25988/1-928, M25988/1-212). Fuel pump inlet screen inspected serviceable, new oring (p/n: M25988-1-916) installed. 11. RGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248-1-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (p/n: M83248-1-019). 12. AGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248-1-115) AGB scavenge pump inlet screen inspected clean. 13. Capacity check performed on main aircraft battery (p/n: RG380E/44 s/n: 40851543) and passed at 87.6%. Next Capacity test due 19-Dec-2020. 14. Accomplished minor engine inspection as per PWC MM 72-00-00 table 601. 15. Propeller erosion shield tap tested, no defects noted. 16. Fuel manifold adapters and nozzles serviced by Q1 Aviation under w/o: 135854. Fuel manifold adapters and nozzles reinstalled with 58 new o-rings (p/n: AS3209-009) and 14 new gaskets (p/n: MS9371-16). 17. Borescope inspection performed by Enterprise Air Inc. under w/o: 10923. 18. Starter/generator brushes inspected serviceable. 19. Prop deice brush block assembly replaced with new (p/n: 6034747270). AD's and SB's: 1. SB 70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C. 2. SB70-271 "DUMP" and "MICRO" switches seals installed as per SB (p/n: 124125) 3. SB70-256 Inertial separator door seal relocated as per SB.

DAHER

Date: 03/18/2021
 Meter Time: 721 Hobbs
 Serial Number: 1178
 Time Since New: 721
 Registration: C-FHTH
 Cycle Since New: 332
 Work Order: 7290

The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And In Accordance With EASA 145.A.50 And Is Approved For Return To Service For The Work Performed
 Date: 03/18/2021 Signature: Darren SEAGO
 CRS # URZR891L / EASA. 145.5152

Signature
 AME
 ACA/AMO
 SCA/AMO

AVIATION LABORATORIES
 CORPORATE AIRCRAFT RESTORATIONS
 Attn: MAURICE NESBITT
 481 AVIATOR LANE
 OSHAWA ON L1J0B8
 Canada
 Aircraft: TBM 910
 S/N: 1178
 Tail No.: C-FHTH
 Date: 6/29/2020
 Engine S/N: PCERV0527
 Engine Model: PT6A-66

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results

TSN/TSO: 679
 Oil Hours: unknown

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Iron	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Copper	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Magnesium	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Aluminum	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Lead	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silicon	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Titanium	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tin	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Molyb.	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

TSN/TSO: 679
 Oil Hours: unknown

Signature

Se

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 2

A/C REG: N910AB (C-FHTH)

A/C S/N: 1178

DATE: 10/15/21

A/C TOTAL TIME: 738.0

HOUR METER: 738.0

W/O NO: MWO-21-6738

ENGINE TOTAL TIME 738.0

S.M.O.H.

1. Complied with a B+/Annual Inspection in accordance with FAR Part 43 appendix D using Daher TBM 850/900/910 M.M. chapters 05-20-03 and 05-20-05 as a guide. Researched AD's through Bi-Weekly 2021-21.
2. Complied with the following special checks:
 - * 200 hour compressor desalination wash in accordance with P&WC PT6A-66D M.M. P/N: 3070902 chapter 71-00-00.
 - * 1 year fuel pump outlet filter condition and cleanliness. Removed and replaced filter with new, P/N: 3059779-01.
 - * 600 hour/1 year chip detectors condition and operation.
3. Complied with Columbia Air Services, Inc. recommended 400 hour oil change. Drained engine oil and reservised with Aeroshell 560 turbine oil.
4. Complied with minor, routine and 100 hour inspection items in accordance with P&WC PT6A-66D M.M P/N: 3070902 chapter 72-00-00 Table 601.
5. P&WC Alert SB No. A14410R2, Spark igniter inspection, does not apply. Engine is equipped with Champion spark igniters. No action required.
6. Complied with P&WC SB No. 14473R3, Torque limiter inspection. Inspected torque limiter pivot spring assembly per SB instructions. Found to be satisfactory. No further action required.
7. Complied with P&WC SB No. 14507R2, Inspection of interconnect rod. Inspected FCU interconnect rod safeties and found to be properly installed allowing proper operation of FCU and cam levers. No further action required.

-----CONTINUED-----

Engine Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 2

8. Performed first stage compressor FOD inspection in accordance with P&WC PT6A-66D M.M. P/N: 3070902 chapter 72-30-05. Cleaned and treated minor surface erosion on one (1) compressor blade. Applied corrosion inhibitor to compressor inlet case.
9. Performed I.T.T. (T5) internal loop and insulation resistance checks in accordance with P&WC PT6A-66D M.M. P/N: 3070902 chapter 77-20-01, found to be satisfactory.
10. Obtained oil sample and oil filter rinse patch for analysis by Aviation Laboratories.
11. Performed borescope inspection of hot section in accordance with P&WC PT6A-66D M.M. P/N: 3070902 chapter 72-00-00.
12. Performed post inspection ground run and aircraft flight check. Operational and leak checks satisfactory.

WO NO.
MWO-21-6738

Columbia Air Services, Inc.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N Work Order # MWO-21-6738
I certify that this Engine has been inspected in accordance with a B+/Annual inspection in accordance with FAR Part 43 Appendix D using Daher TBM 850/900/910 M.M. chapters 05-20-03 and 05-20-05 as a guide, and determined to be in airworthy condition. Pertinent details of the inspection are on file at this facility.
Date: 10/15/21 A/C Total Time: 738.0

Signature: David A. Steiner



Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSN
N910AB	873.7	P&WC	PT6A-66D	RV0527	873.7	873.7		873.7

1. Completed an A+ inspection IAW Socata MM CH 5-20-02
2. Performed Compressor wash per P&W MM Ch71-00-00.
3. Removed and replaced both ignitors with new, p/n CH34055.
4. Removed and replaced starter/generator with overhauled p/n MG94K-1 MOD A s/n 0021. Ref Ametek wo MG94K-1. Ref MM CH 24-30-00.

I certify that this Engine has been inspected in accordance with an A+/Annual inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service.
Details for the repair/inspection are on file at this C.R.S under Shop Order No. S-22-2401
Date: 10/19/2022 Signed: [Signature] Inspector for Muncie Aviation Company
CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141



Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT	Cycles
N910AB	983.2	P&WC	PT6A-66D	RV0527	983.2	983.2	509

1. Completed a C+ inspection IAW Daher MM CH 5-20-00.
2. Complied with all applicable 1-year special inspection requirements IAW Daher Special Inspection Checklist.
3. Performed with compressor wash and T-Wheel rinse.
4. Replaced propeller tach generator Garlock seal with new, p/n 3022374 using new orings and gasket. Ref MM CH 77-13-00.
5. Complied with 400 hour fuel manifold adapters inspection. Removed and reinstalled nozzles after inspection by Standard Aero, using new orings and gaskets, torqued and safetied. Ref. P&WC MM CH 73-10-03. Ref Standard Aero wo RPR62695.
6. Complied with 400 hour borescope inspection. No defects noted.
7. Complied with 1,000 hour oil filter replacement. Removed and replaced filter with new, p/n, 3059258-01.
8. Complied with 1,000 hour P3 filter replacement. Removed and replaced filter with new, p/n, 3059788-01.
9. Operational and leak check of above items found to be satisfactory.

See AD Listing Dated 9/19/2023 for details.
I certify that this Engine has been inspected in accordance with a C+/Annual inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service.
Details for the repair/inspection are on file at this C.R.S under Shop Order No. S-23-2825
Date: 9/29/2023 Signed: [Signature] Inspector for Muncie Aviation Company
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT
N910AB	1034.3	P&WC	PT6A-66D	PCE-RV0527	1034.3	1034.3

1. Complied with AD 2024-04-51 Failure of second-stage power turbine (PT2) blades. Logbook research revealed AD is not applicable by second-stage power turbine (PT2) blades serial numbers. Blade serial numbers are not in the affected range. Ref P&WC SB A14574R1 Table 1. No further action required.

The article has been repaired and inspected in accordance with the current FAA Regulations and was determined to be airworthy with respect to the maintenance, preventative maintenance or alterations performed.
Details are on file at this C.R.S. under Work Order No. S-24-3246
Date: 2/28/2024 Signed: [Signature] Inspector for Muncie Aviation Company.
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141.



Reg. Mark	Hobbs	Make	Model	SN	ACTT	ETT	Cycles
N910AB	1135.3	P&WC	PT6A-66D	RV0527	1135.3	1135.3	584

1. Completed an Annual/A+ inspection IAW Daher MM CH 5-20-00.
2. Performed compressor wash and T-wheel rinse.
3. Complied with all applicable 1 year special inspection items.
4. Complied with P&WC SB A14575 Inspection of first stage power turbine (PT1) blades. Logbook research revealed SB is not applicable due to engine not being repaired or overhauled since June 1, 2023. Ref P&WC SB A14575. No further action required.
5. Blended minor erosion on compressor inlet blades. Ref PWC MM CH 72-30-05.
6. Operational and leak check of above items good.

See AD list dated 10/24/2024 for details.

I certify that this **Engine** has been inspected in accordance with an Annual/A+ Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service. Details for the repair/inspection are on file at this C.R.S under Shop Order No. S-24-3127 Date 10/24/2024
 Signed [Signature] Inspector for Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141



Reg. Mark	Hobbs	Make	Model	SN	ACTT	ETT	Cycles
N910AB	1267.7	P&WC	PT6A-66D	RV0527	1267.7	1267.7	663

1. Completed an Annual/B+ inspection IAW Daher MM CH 5-20-00.
2. Performed compressor wash and T-wheel rinse.
3. Complied with all applicable 1 year special inspection items.
4. Operational and leak checks of above items good.

See AD list dated 10/13/2025 for details.

I certify that this **Engine** has been inspected in accordance with an Annual/B+ Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service. Details for the repair/inspection are on file at this C.R.S under Shop Order No. S-25-4038 Date 10/23/2025
 Signed [Signature] Inspector for Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141

Signature

AME
ACA/AMO
SCA/AMO



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

POWER SECTION MODULE LOG BOOK

TC-1001185



05/2005

Canada

Volume #: 1

Opened on: 08 MAR 2017

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1354
3. Serial Number PS- RV 0527

Other related Transport Canada Publications:

TP 14089B
TP 14058E/F

Previous Edition:

TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

Please direct your comments, orders and inquiries to:

Transport Canada
Civil Aviation Communications Centre (AARC)
Place de Ville,
Tower C, 5th Floor
330 Sparks Street
Ottawa, ON K1A 0N8


Telephone: 1 800 305-2059
Fax: 613 957-4208
E-mail: services@tc.gc.ca

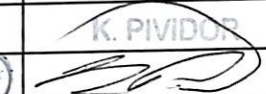


© Her Majesty the Queen in Right of Canada, as represented by the Minister of Transport (2005).
® Permission granted for internal use only.

This publication may be reproduced for internal use only without permission, provided the source is fully acknowledged. However, multiple copy reproduction of this publication in whole or in part for purposes of resale or redistribution requires prior written permission from the Minister of Public Works and Government Services, Ottawa, Ontario, Canada K1A 0S5 or at copyright.droitdauteur@communication.gc.ca.

TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
08 MAR 2017	0.0	N/A	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.
05 Avril 2017	1H20	0.0	1	Vol d'essai constructeur
07 Avril 2017	2H30	0.0	2	
24 Avril 2017	3H40	0.0	3	
25 Avril 2017	4H50	0.0	4	
<p>Arrêté présent livret à la SOCATA le 25/04/17 au total de 4H50</p> <p>Visa du Département Qualité</p> 				
May 10/2017	7.3		5	
May 10/2017	10.5		6	
May 11/2017	15.1		7	
May 11/2017	18.2		8	
May 11/2017	20.0		9	
May 12/2017	21.1		10	
May 17/2017	22.9		11	
May 17/2017	23.3		12	
May 17/2017	Aircraft removed from United States civil aircraft register. Aircraft sold to Canada. TBM 700 s/n 1178			

Signature	AME ACA/AMO SCA/AMO
<p>This Power Section module is combined with Gas Generator. S/N: PCE- RV 0527</p> <p>NGINØ 34750 RPM, at 850 SHP 18VØ</p> <p>ITT Trim: 8.1 C°</p> <p>T5 Trim resistance: 213.2 Ohms</p>	
  	
<p>SOCATA - DEPARTEMENT QUALITE VERIFICATION et ENTRETIEN STOCKAGE</p>	
<p>DAHER SOCATA Agrément de Production FR-21G-0027</p>	

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
June 1/2018	324.4			<p>Corporate Aircraft Restorations Inc. Warranty quote #: 9415 WORK ORDER #2018-4140 C-FHTH Engine Cycles: 141 SOCATA TBM 910 s/n 1178 TTSN: 324.4 Engine s/n PCE-RV0527</p> <p style="text-align: center;">June 1 2018</p> <p>B+ inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FIITH-TBM700.</p> <p>Engine work performed:</p> <ol style="list-style-type: none"> Propeller assembly inspected for condition and security, found serviceable. Propeller lubricated with Shell grease #6. Beta ring inspected and carbon block (p/n: A3026) replaced with new as per Hartzell 147. Torque limiter function checked during maintenance run and found to be functioning normally. Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-20-01, found serviceable. Spark igniters inspected, checked for cleanliness and erosion. Igniters installed with new gaskets (p/n: 3910880) Igniter box tested as per PWC MM 74-00-00 and lockwired. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Unit topped up with MILH 5606. Performed engine compressor rinse as per PWC MM 3021442 71-00-00. Oil sample and filter rinse patch taken for analysis. Oil filter cleaned, inspected and reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). Second oil sample taken and sent to P&WC. P3 air filter cleaned, inspected and reinstalled with new o-rings. (p/n: MS9386-126, MS9386-015, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable. Fuel pump outlet filter replaced with new (AN6235-3A). New o-rings installed (M25988/1-928, M25988/1-212). RGB chip detector inspected, tested for continuity and reinstalled with new o-ring (p/n: AS3209-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (M83248/1-019). AGB chip detector inspected, tested for continuity and reinstalled with new o-ring. (p/n: AS3209-115) AGB scavenge screen inspected clean. Main battery capacity checked by Enterprise Air Inc. under w/o: 10021, passed at 96.6%. Accomplished minor engine inspection as per PWC MM 72-00-00 table 601. Hot section inspected by EAI under w/o: 10021 and no defects found. Fuel manifold adapters and fuel nozzles flow tested by Q1 Aviation under w/o: 130978. Fuel nozzles reinstalled with 58 new o-rings (p/n: AS3209-009) and 14 new gaskets (p/n: MS9371-16). Pilot reported intermittent prop heat fail. Prop heat boot resistance checked ok. 5 molex connector cable ties replaced with new (p/n: B-3852-2-0) Beta ring cleaned and smoothed with 1000 grit sand paper. Prop heat function tested ok. Oil leak found at starter/generator drive pad. Starter/generator drive pad seal replaced with new (p/n: 3059046-01) and gasket (p/n: ST3277-01). Nuts (p/n: ST3066-11) washers (p/n: MS9320-11) retaining ring (p/n: AS3215-128) and o-ring (p/n: AS3209-030) replaced with new. <p>Airframe work performed:</p> <ol style="list-style-type: none"> B35, B36, B37, B38 servo actuators slip clutch manual override test performed, found serviceable. B35, B36, B37 servo cable tension and safety checked, found to be within limits. Rudder cables tension and safety checked, found serviceable. Elevator trim cable tension and safety checked, found to be within limits. Spoiler cables and aileron cables tension and safety found serviceable. Flap rollers removed, cleaned, inspected serviceable lubricated and reinstalled. Landing gear inspected for condition and leaks, found serviceable, landing gear axles greased. All landing gear shock-absorbers set to proper pressure as per MM 12-14-01, MM 12-14-02. All wheel bearings cleaned, inspected, greased and reinstalled. External skin and static ports inspected for condition and cleanliness, no defects found. All static dischargers checked for resistance and found to be within spec as per MM 23-60-00-501. Water separator filter inspected clean and dry, reinstalled with new o-rings (p/n: 7423360015, 7423360051). All under floor drains found clear and pliable and E-exit drain clear and pliable. 		
				<p>15. ELT sent to Vision Avionics for recertification under w/o: 50380 and reinstalled. Next test due May 2019. Battery due June 2023.</p> <p>16. First aid kit inspected serviceable. Fire extinguisher inspected serviceable.</p> <p>17. Gaseous oxygen system inspected serviceable. PAX masked dropped, cleaned, inspected and repacked.</p> <p>18. Low level fuel test performed and found to be serviceable. New o-rings installed on drain valves (p/n: 7423550073).</p> <p>Discrepancies:</p> <ol style="list-style-type: none"> LH wing root found with minor fuel leak. Inboard most fuel panel removed and new PRC sealant applied to inside of tank. L and R brakes pads found worn. All pads replaced with 64 new (p/n: 109-01500) with 128 new rivets (p/n: 105-00900). Pressure and reactor plates reconditioned with new primer. <p>AD's and SB's:</p> <ol style="list-style-type: none"> SB 70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C. SB 70-254 Oil cooler air induction duct. Removal of the four upper fins of the oil cooler air induction duct. <p>Dual inspection performed on affected areas of the aileron and flap systems.</p>	<p><i>[Signature]</i></p> <p><i>[Signature]</i></p>	
					<p><i>[Signature]</i></p> <p><i>[Signature]</i></p>	

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
July 9/2019				<p>Corporate Aircraft Restorations Inc. C-FHTH TTSN 516.5</p> <p>WORK ORDER #2019-452- SOCATA TBM 910 s/n: 1178 Engine s/n PCF-RV0311</p> <p>14-Jun-2019</p> <p>Cycles: 225</p> <p>A+ (2 year) inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850.</p> <p>Engine work performed:</p> <ol style="list-style-type: none"> Propeller assembly inspected for condition and security, no defects noted. Propeller lubricated with Aeroshell 5 grease Beta ring inspected serviceable. Beta block replaced with new (p/n: CA3626) Torque limiter function checked during maintenance run and found to be functioning normally. Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-29-01. Found serviceable. Spark igniters inspected, checked for cleanliness and erosion, no defects noted. Igniters reinstalled with new gaskets (p/n: 3010880). Igniter box tested as per PWC MM 74-00-00 and lockwired Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Unit topped up with MIL-H 5606. Performed engine compressor rinse as per PWC MM 3070902 71-00-00. Oil filter removed, cleaned and inspected, no defects noted. Oil filter reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143). Oil sample and filter rinse patch sample taken for analysis. Second oil sample taken and sent to PWC. P3 air filter removed, cleaned, inspected and reinstalled with new o-rings (p/n: M83248/1-126, M83248/1-115, MS9385-09, MS9386-014). P3 filter bowl and drain valve housing assembly inspected serviceable. Fuel pump outlet filter replaced with new (p/n: 3059779-61). New o-rings installed (p/n: M25988/1-928, M25988/1-212). RGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: AS3209-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (p/n: M83248/1-019). AGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248/1-115). AGB scavenge pump inlet screen inspected clean. Main battery (p/n: RG380E/44 s/n: 40851543) capacity checked by Enterprise Air Inc. under w/o 10484 and passed at 91.5%. Accomplished minor engine inspection as per PWC MM 72-00-09 table 601. Compressor belt replaced with new (p/n: 6046297261). Standby generator belt replaced with new (p/n: 7133280007) Fuel unit filter replaced with new (p/n: 6007707270) with new o-rings (x p/n: 7423800886, (1x 6071017253) Standby generator brushes replaced with new (p/n: A1E1013ES) <p>Airframe work performed:</p> <ol style="list-style-type: none"> B35, B36, B37, B38 servo actuators slip clutch manual override test performed, found serviceable B35, B36, B37 servo cable tensions checked. All servo cable tensions found low, tensioned to spec as per MM 20-10-64-05 and 22-11-03. New locking tab washers installed (p/n: 5759013160). Rudder cables tension checked, found serviceable. Elevator trim cables tension checked, found serviceable. Spoiler cables checked for tension and safety, found serviceable. Aileron cables checked for tension and safety, found serviceable. Flap rollers removed, cleaned, inspected serviceable, lubricated and reinstalled. Landing gear inspected for condition and leaks, found serviceable. Landing gear axles greased. All wheel bearings removed, cleaned, inspected serviceable. All wheel bearings greased and reinstalled. External skin and static ports inspected for condition and cleanliness, no defects found. All static dischargers checked for resistance and found to be within spec as per MM 23-60-00-501. Water separator filter inspected, debris found. New filter installed (p/n: 6045807228) with new o-rings (p/n: 7423060062, 7423360051, 7423360010). All under floor drains and E-Exit drain found clear and pliable. ELT sent to Vision Avionics for recertification under w/o 50738 and reinstalled. Next test due June 2020. Battery due June 2023. (HEX ID: 27878028E4FBFF) First aid kit inspected serviceable. Fire extinguisher inspected serviceable. Cabinous oxygen system inspected serviceable. PAX masks dropped, cleaned, inspected and repacked. Outflow and safety valves inspected, seats cleaned. Lightweight data recorder operation checked, found serviceable. Pilot tubes inspected for condition and attachment, found serviceable, no evidence of overheating found. 		
				<p>Discrepancies</p> <ol style="list-style-type: none"> LH main tire replaced with new (p/n OFF: 185F03-5 s/n OFF: 63432110 p/n ON: 185F03-5 s/n ON: 83442055). RH main tire replaced with new (p/n OFF: 185F03-5 s/n OFF: 63442443 p/n ON: 185F03-5 s/n ON: 83452226). LH and RH brake pressure and reactor plates reconditioned as per CMM. LH and RH brake pads replaced with new (p/n: 109-01500) using new rivets (p/n: 105-00900) 		
				<p>AD's and SB's:</p> <ol style="list-style-type: none"> SB 70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C. SB 70-262 QAD Mounting Non-Conformity. QAD Mount kit exchanged for reworked kit (p/n: KG94K-1) using acw hardware (x p/n: 7228511801) new o-ring (p/n: M83348/1-113) and new gasket (p/n: ST3277-01). Starter/generator reinstalled as per MM24-30-03. SB 70-260 Aileron's Brush. Ailerons brushes trimmed as per SB to reduce the contact surface between the aileron and the brush. 		
				<p>Dual inspection performed on affected areas of the aileron/spoiler system</p> <p style="text-align: right;"><i>Ching 826735</i></p>		
				<p>Dual inspection performed on affected areas of the flap system.</p> <p style="text-align: right;"><i>Ching 826735</i></p>		
				<p>Dual inspection performed on B35, B36, B37 servo cables.</p> <p style="text-align: right;"><i>Ching 826735</i></p>		
				<p>Dual inspection performed on elevator push/pull rod.</p> <p style="text-align: right;"><i>Ching 826735</i></p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
------------------	----------------	---------------------	--------------	-----------------	-----------	---------------------------

Dec 4 2019

Corporate Aircraft Restorations Inc.
C-FHTH
T.A.T. 588.
Work Performed:

WORK ORDER #2019-4735
Daher TBM 910 s/n 1178
December 4, 2019

- Right inlet heat insulation sleeve (p/n T700H3020019B) replaced new.
- Performed engine compressor rinse as per PWC MM 307 0902 Rev. 18.1 July 27, 2017 chapter 71-00-00. New drain plug gasket (p/n 3023431) installed. Engine run performed all parameters normal.

Corporate Aircraft Restorations Inc.
C-FHTH
TTSN: 679

Warranty Quote # 11998
19-Jun -2020
Cycles: 295

WORK ORDER #2020-4908
SOCATA TBM 910 s/n: 1178
Engine s/n PCE-RV0527

C+ inspection performed as per TBM 700 MM 05-20-02 with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850.

Engine work performed:

- Propeller assembly inspected for condition and security, found serviceable. Propeller lubricated with Aeroshell 6 grease.
- Beta ring inspected serviceable. Beta block replaced with new (p/n: CA3026).
- Performed I.T.T. (T5) internal loop and insulation checks as per PWC MM 77-20-01, found serviceable.
- Spark igniters inspected, checked for cleanliness and erosion, no defects noted. Igniters reinstalled with new gaskets (p/n: 3010880) Ignition exciter inspected for condition and attachment, found serviceable.
- Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (p/n: MS28778-6). Reservoir topped up with MILH 5606.
- Performed engine compressor rinse as per PWC MM 3070902 71-00-00. New drain gasket installed (p/n: 3023431).
- Oil filter removed, cleaned, inspected, no defects noted. Oil filter reinstalled with new o-rings (p/n: M83248-1-120, M83248-1-224, M83248-1-143).
- Oil sample and filter rinse patch sample taken for analysis. Second oil sample taken and sent to PWC.
- P3 air filter removed, cleaned, inspected and reinstalled with new o-rings (p/n: M83248-1-126, M83248-1-115, MS9385-09, MS9386-014) P3 filter bowl and drain valve housing assembly inspected serviceable.
- Fuel pump outlet filter replaced with new (p/n: 3059779-01) and new o-rings installed (p/n: M25988/1-928, M25988/1-212). Fuel pump inlet screen inspected serviceable, new oring (p/n: M25988-1-916) installed.
- RGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248-1-115). RGB scavenge screen cleaned, inspected and reinstalled with new o-ring (p/n: M83248-1-019).
- AGB chip detector inspected, tested ok and reinstalled with new o-ring (p/n: M83248-1-115) AGB scavenge pump inlet screen inspected clean.
- Capacity check performed on main aircraft battery (p/n: RG380E/44 s/n: 40851543) and passed at 87.6%. Next Capacity test due 19-Dec-2020.
- Accomplished minor engine inspection as per PWC MM 72-00-00 table 601.
- Propeller erosion shield tap tested, no defects noted.
- Fuel manifold adapters and nozzles serviced by Q1 Aviation under w/o: 135854. Fuel manifold adapters and nozzles reinstalled with 58 new o-rings (p/n: AS3209-009) and 14 new gaskets (p/n: MS9371-16).
- Borecope inspection performed by Enterprise Air Inc. under w/o: 10923.
- Starter/generator brushes inspected serviceable.
- Prop deice brush block assembly replaced with new (p/n: 6034747270).

AD's and SB's:

- SB 70-118 Flap actuator lubrication. Actuator rod cleaned and lubricated as per Paragraph C.
- SB70-271 "DUMP" and "MICRO" switches seals installed as per SB (p/n: 124125)
- SB70-256 Inertial separator door seal relocated as per SB.

DAHER

Date : 03/18/2021
Meter Time: 721 Hobbs

FAA CRS # URZR891L / EASA.145.5152
Serial Number : 1178
Time Since New : 721

Daher Aircraft, Inc.
601 NE 10th Street
Pompano Beach, FL 33060
Aircraft type : TBM 700N
Work Order : 7290

Registration : C-FHTH
Cycle Since New : 332

- Eng. PT6A-66D, PCE-RV0527, TSN.721.0 TC. 332
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defects noted.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defects noted.
- Performed compressor turbine desalination wash IAW Pratt & Whitney maintenance manual chapter 71-00-00.

The aircraft Airframe, Engine, Propeller, and Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Permanent Records Of The Repair And Is Approved For Return To Service For The Work Performed.
Date : 03/18/2021 Signature: *[Signature]*
CRS # URZR891L / EASA. 145.5152 Darren SEAGO

AVIATION LABORATORIES
Products, Support, Reliability.

CORPORATE AIRCRAFT RESTORATIONS
Attn: MAURICE NESBITT
481 AVIATOR LANE
OSHAWA ON L1J0B8
Canada

Aircraft: TBM 910
S/N: 1178
Tail No.: C-FHTH
Engine Model: PT6A-66
Date: 6/29/2020
Engine S/N: PCERV0527

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE
Sample Date: 6/10/2020
Analysis Date: 6/22/2020
Sample Number: 46
Cylinder Type:

SAMPLE APPEARS NORMAL. Send next sample at normal interval.

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***											
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.8	< 0.1

***** FILTER ANALYSIS RESULTS *****

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace
Type:	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%	0-100%

TSN/TSO: 679
Oil Hours: unknown
Filter Hours: 679
Oil Added:

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
<p>Corporate Aircraft Restorations WORK ORDER: 2021-5230 13-Jul-2021</p>				
<p style="text-align: right;">C-FHTH Daher TBM910 s/n: 1178 P&WC PT6A-66D s/n: RV0527 TTSN: 726.9 Cycles: 338</p>				
<p>05-20-02 (A INSP.), 05-20-05 (ANNUAL INSP.) A+ inspection performed as per TBM 910 MM 05-20-02 and PWC MM 3070902 Rev. 20.0 Apr-12-2021. with reference to Transport Canada Small Aircraft Maintenance Schedule Approval PAH-FHTH-TBM850.</p>				
<p>Engine work performed:</p>				
<p>1. 61-10-00-200-801 - Propeller assembly inspected for condition and security, found serviceable.</p>				
<p>2. 61-10-01-640-801 - Propeller lubricated with Shell grease #6.</p>				
<p>3. 61-10-00-220-801 - Beta ring inspected, no faults found. Carbon block inspected, found serviceable.</p>				
<p>4. Performed I.T.T. (T5) internal loop and insulation checks performed, no faults found.</p>				
<p>5. Electro-hydraulic generator screen cleaned, inspected and reinstalled with new o-ring (MS28778-6). Unit topped up with MILH 5606.</p>				
<p>6. Performed engine compressor rinse as per PWC MM 71-00-00. New gasket (3023431) installed on power section drain.</p>				
<p>7. 79-00-CA-610-801 - Oil filter removed, inspected, cleaned and reinstalled with new o-rings (MS83248/1-120, M83248-1-224, M83248-1-143).</p>				
<p>8. Oil sample and filter rinse patch taken for analysis (oil sample kit p/n: GA-001-OFRK)</p>				
<p>9. 73-30-CA-100-801 - P3 air filter cleaned, inspected and reinstalled with new o-rings. (M83248-1-126, M83248-1-015, MS9385-09, MS9385-014).</p>				
<p>10. 73-10-02-200-802 P3 filter bowl and drain valve housing assembly inspected serviceable.</p>				
<p>11. 73-10-02-200-802 - Fuel pump outlet filter replaced with new (3059779-01) and new o-rings installed (M25988/1-928, M25988/1-212).</p>				
<p>12. 79-00-CA-200-801 - Magnetic chip detectors checked for continuity, found serviceable.</p>				
<p>13. 79-20-02-710-801 - Magnetic chip detectors operational test performed, found serviceable, reinstalled with new o-rings (M83248/1-115).</p>				
<p>14. 79-20-02-200-802 - AGB scavenge pump inlet screen inspected clean.</p>				
<p>15. 24-30-04-760-802 - Main battery capacity checked, passed at 89.4%. Next capacity check due Dec 2021.</p>				
<p>16. 05-70-CA-890-801 - Accomplished minor engine inspection as per PWC MM 72-00-00 table 601, no faults found.</p>				
<p>17. 76-10-CA-200-801 - Engine control linkages inspected serviceable.</p>				



Muncie Aviation Company
An Employee Owned Company



Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSN
N910AB	873.7	P&WC	PT6A-66D	RV0527	873.7	873.7		873.7

- Completed an A+ inspection IAW Socata MM CH 5-20-02
- Performed Compressor wash per P&W MM Ch71-00-00.
- Removed and replaced both ignitors with new, p/n CH34055.
- Removed and replaced starter/generator with overhauled p/n MG94K-1 MOD A s/n 0021. Ref Ametek wo MG94K-1. Ref MM CH 24-30-00

I certify that this Engine has been inspected in accordance with an A+/Annual inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service.
 Details for the repair/inspection are on file at this C.R.S. under Shop Order No. S-22-2401
 Date: 10/19/2022 Signed: [Signature] Inspector for Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141



Muncie Aviation Company
An Employee Owned Company



Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT	Cycles
N910AB	983.2	P&WC	PT6A-66D	RV0527	983.2	983.2	509

- Completed a C+ inspection IAW Daher MM CH 5-20-00.
- Complied with all applicable 1-year special inspection requirements IAW Daher Special Inspection Checklist.
- Performed with compressor wash and T-Wheel rinse.
- Replaced propeller tach generator Garlock seal with new, p/n 3022374 using new orings and gasket. Ref MM CH 77-13-00.
- Complied with 400 hour fuel manifold adapters inspection. Removed and reinstalled nozzles after inspection by Standard Aero, using new orings and gaskets, torqued and safetied. Ref. P&WC MM CH 73-10-03. Ref Standard Aero wo RPR62695.
- Complied with 400 hour borescope inspection. No defects noted.
- Complied with 1,000 hour oil filter replacement. Removed and replaced filter with new, p/n, 3059258-01.
- Complied with 1,000 hour P3 filter replacement. Removed and replaced filter with new, p/n, 3059788-01.
- Operational and leak check of above items found to be satisfactory.

See AD Listing Dated 9/19/2023 for details.
 I certify that this Engine has been inspected in accordance with a C+/Annual inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current regulations of Federal Aviation Agency, approved for return to service.
 Details for the repair/inspection are on file at this C.R.S. under Shop Order No. S-23-2825
 Date: 9/29/2023 Signed: [Signature] Inspector for Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



Muncie Aviation Company
An Employee Owned Company



Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT
N910AB	1034.3	P&WC	PT6A-66D	PCE-RV0527	1034.3	1034.3

- Complied with AD 2024-04-51 Failure of second-stage power turbine (PT2) blades. Logbook research revealed AD is not applicable by second-stage power turbine (PT2) blades serial numbers. Blade serial numbers are not in the affected range. Ref P&WC SB A14574R1 Table 1. No further action required.

The article has been repaired and inspected in accordance with the current FAA Regulations and was determined to be airworthy with respect to the maintenance, preventative maintenance or alterations performed.
 Details are on file at this C.R.S. under Work Order No. S-24-3246
 Date: 2/28/2024 Signed: [Signature] Inspector for Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141.