# POWER SECTION MODULE LOG BOOK

N228CH A/C TT: 4505.4hr. Engine Model: PT6A-66D

Engine S/N: RV0009 February 22, 2024 Gas Generator TT: 4219.5hr. Power Section TT: 4124.5hr.

Gas Generator Cycles: 4774 Power Section Cycles: 4657

> Engine TSO: 704.1 Engine CSO: 1014

#### **Special Inspection Items**

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV25.0), section 71-00-00, 6A and C.

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV25.0), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV25.0), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV25.0), section 73-10-07.
- · Removed, inspected and reinstalled chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV25.0, dated October 9, 2023 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service. Ground ran and operational checkout good. No leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.

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N228CH	
A/C TT: 4373.4hr.	
<b>Engine Model: PT6A-66D</b>	
Engine S/N: RV0009	
May 17, 2023	

Gas Generator TT: 4087.5hr. Power Section TT: 3992.5hr. Gas Generator Cycles: 4584 **Power Section Cycles: 4467** Engine TSO: 572.1

Engine CSO: 824

**Special Inspection Items** 

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV24.0), section 71-00-00, 6A and C.

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV24.0), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV19.0), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV24.0), section 73-10-07.
- Removed, inspected and reinstalled chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV24.0, dated April 10, 2023 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service. Ground ran and operational checkout good. No leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.

N228CH S/N: 356 A/C TT: 4395.2hr. **Engine Model: PT6A-66D** Engine S/N: PCE-RV0009 July 7, 2023

Gas Generator TT: 4109.3hr. Power Section TT: 4014.3hr.

Gas Generator Total Cycles: 4621.0 Power Section Total Cycles: 4504

Engine TSO: 593.9hr.

- Engine CSO: 861 - In reference to Propeller Lightning Strike Inspection P&WC MM 3070902, Rev. 24 (PWCMM3070902Rv24.0). dated April 10, 2023 Chapter 72-00-00, paragraph N (3) (d), performed the following maintenance on PCE-RV0009:
- Removed oil filter element, inspected, electrosonic cleaned, and re-installed using new O-rings per (PWCMM3070902Rv24.0), section 79-20-02. No metallic debris was found at this time, returned engine to standard inspection intervals.

- Ground ran engine, one ehecked good, no leaks found at this time.

David K. Eastwood AP2778982

**N228CH** 

A/C TT: 4402.1hrs.

Engine Model: PT6A-66D Engine S/N: PCE-RV0009

August 24, 2023

Gas Generator TT: 4116.2hrs.

Power Section TT: 4021.2hrs. Gas Generator Cycles: 4636

Power Section Cycles: 4519 Engine TSO: 600.8hrs. Engine CSO: 876 1 of 2

- Complied with (C/W) Pratt & Whitney Canada, (PWC) 100hr. P&WC Engine Compressor Desalination & Turbine Rinse in accordance with (IAW) (PWCMM3070902RV24.0, dated April 10,2023), section 71-00-00. 6A and C.

- C/W P&WC 100hr.Inspection, Cleaning of P3 Filter & P3 Filter Drain Valve Housing.

Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV24.0), section 73-10-07.

- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV24.0), section 73-10-07.

- C/W - 1 Year - P&WC Chip Detectors Inspection. Removed, inspected and reinstalled front and rear chip detectors with new O-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.

- C/W P&WC SIL No. PT6A-213 Compressor Inlet Case Corrosion Prevention. Inspected engine compressor inlet case for corrosion, no defects noted at this inspection. Applied an approved corrosion inhibitor compound, "Corrosion X" on inlet case area as required IAW (PWCMM3070902Rev.24.0) section 72-00-00 as specified in P&WC SIL No. PT6A-213.

- Removed oil filter element, inspected, electrosonic cleaned, and re-installed using new O-rings per (PWCMM3070902RV24.0), section 79-20-02.

- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine-drying run at 80% NG for 2 minutes. After engine shutdown, reinstalled and safetied cap.

- C/W PWC 106-2015 PT6A by obtaining an oil sample. Kit ID#: 80-098783.

Jeremy A. Greene AP3666293 for Medical Air Inc.

N228CH

A/C TT: 4402.1hrs.

Engine Model: PT6A-66D Engine S/N: FCE-RV0009

August 24, 2023

Gas Generator TT: 4116.2hrs. Power Section TT: 4021.2hrs.

Gas Generator Cycles: 4636

Power Section Cycles: 4519 Engine TSO: 600.8hrs.

Engine CSO: 876 2 of 2

Complied with (C/W) 400hr. Inspection of Ignition Exciter for installation and condition in reference to (P&WC MM 3070902, Rev. 24.0, dated April 10, 2023) Chapter 74-10-00. No defects noted.

- C/W 400hr. Inspection of Ignition Cables for routing and attachment in accordance with (IAW) (P&WC MM 3070902, Rev. 24.0), Chapter 74-20-00. No defects noted.

Chartes 74-20-00. No detects noted.

- C/W 400hr. Operational test of Spark Igniters IAW (P&WC MM 3070902, Rev. 24.0), Chapter 74-20-00. Ops checked ok at this time.

Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

P/N: DMAMMPXEE0R49, and items specified in P&WC MM 3070902, Rev. 24.0, dated April 10, 2023, section 72-00-00, David K. Eastwood IA2778982 for Medical Air Inc.

Section 1: Red	cord of engine	maintenand	e and elementa	ry work		+	N228CH S/N: 356 A/C TT: 4364.7hr.		Gas Generator TT: 4078.8hr Power Section TT: 3983.8hr
Date/	Time since new	Time since overhaul	Total cycles	Details of task	0	0	Engine Model: PT6A-66D Engine S/N: PCE-RV0009 April 21, 2023	Gas Pov	Generator Total Cycles: 4568 ver Section Total Cycles: 4451 Engine TSO: 563.4hr
	Whitne nologies Company	y	Pra	att & Whitney Engine Services, Inc. 1527 Midway Park Road Bridgeport, WV 26330 FAA CRS # L2QR166Y			*See preceding P&WC logbook entry dated, April Inspected engine for "Chip" light illumination, inte (IAW) P&WC MM 3070902, Rv.23, dated October10 Chip light reference: Chapter 72-00-00 Figure 10 Cinapter 79-20-02 (8) (B) (11) (a) Allowable debris Removed oil filter best best by	rmittent vibration an 0,2022 and Rv.24, da 5 Engine Lubricating 5 Oil analysis report	In the distance of the distanc
ACFT. TYPE: SOCATA TBM 850	ACFT. S/N: 350 N#: N228CH	6	ACFT. TTSN: 4,364.7 ACFT. TCSN: 4,695	HOUR METER: N/A			RGB chip detector, (fuzz) Cleaned oil filter, no magn strainer with new O-rings, torqued and safetied. Same	ainer for inspection.	Found small hair-like filament on forward Reinstalled filter and chip detectors and oi
ENG. MODEL:	ENG SN#		ENG. TTSN: See Below	ENG. TCSN: See Below			allowable.  * Drained oil. Serviced with 10 qts. of Aeroshell 560		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PT6A-66D	PCE-RV	V0009	ENG. TSO: See Below	ENG. CSO: See Below		_	- <u>Intermittent vibration reference:</u> Chapter 72-00-0 Vibration. Inspected engine, lines, mounts, lord mounts	00 Figure 102 Engine	e Operating Fault Isolation Chart, Sheet 7,
Hot Section Area. A borescope and patch test to the lab for invivas inspected for a possible ligechnicians removed the proper within acceptable limits. Medification will complete an expropeller is repaired and reinstance at checks and ground runs. A visual inspection was performentation of the work performentation of the work performentation of the work performentation.	e inspection was performant of the enispection of the debrichtning strike and eviduler at which time the local Air forwarded the ngine oil flush and recalled. Medical Air Tealled. Medical Air Tealled and the areas as according to the areas as according	recent to proper to promed with no defers found on the chip ence of electrical defers was inspected property to the propell quired post runs I/A chnicians to comple defor return to serve cessed with no other ned I/A/W the PT6	rform a borescope inspects were noted at this time detector, the oil sample ischarge was found on the I/A/W the PT6A-66D For shop for inspection and I/W the PT6A-66D EMN the reassembly of the ce upon the satisfactory of defects noted at this time A-66D EMM, P/N: 3070 and the satisfactory of the satisfacto	ed RGB Chip indication and vibration. Medical Air ction of the 1st Stage Compressor and the C.T. Disk / i.e. Medical Air Technicians forwarded an oil sample after tested was found to be allowable. The propeller ne propeller spinner, as a result the Medical Air EMM, Chapter 72.00.00, Paragraph N and found to be d repair because of the lightning strike. Medical Air M, Chapter 72.00.00, Paragraph N, (3) after the engine as required and complete all post maintenance completion of the above ground runs and leak checks. The above components have been checked for 1902, Rev 23.0, Dated Oct-10-2022.			*After prop overhaul, reinstalled propeller, ran enginspected/cleaned oil filter, oil strainer and chip detections with new O-rings, torqued detectors to inspect and clean in 25 hours due to light a Removed starter/generator, inspected splines for starter/generator with new O-ring, torqued and safetie P/N: DMAMMPXEE0R49, Chapter 24-30-03, pg. 40  * Removed fuel control inlet screen, cleaned and in Replaced fuel control outlet filter with new filter.  Work performed IAW P&WC MM 3070902, REV23, and a Ground ran engine, ops checked good, no leaks for Complied with a performance run, all readings good.	ne for 10 mins. at 80 tors, no debris noted and safetied. Will reghtning strike. arching, no defects red IAW Daher TBM 11-405. Inspected and reinstally, P/N: 3059779-01, Cound at this time.	at this time. Reinstalled oil filter, oil remove oil filter, oil strainer and chip noted at this time. Reinstalled Maintenance Manual, tled using new O-ring and safetied.
RSCF GEN-041 (Apr 13)		Export Clas	sification: 9A991.c. 0 Badge: E-PW647539						-
				Page 1 of 1			N228CH A/C TT: 4365.7hr. Engine Model: PT6A-66D Engine S/N: RV0009 May 3, 2023  Replaced cracked RGB magnetic chip detector with new of P/N: M83248-1-115, torqued and safetied. Work performed rev. 24.0 dated April 10, 2023 71-10-00 section 5 C&F. Corun performed and no leaks detected.  Jeremy A. Greene AP3666293 for Medical Air Inc.	Gas C Pow	rmed with no defects noted. Ground
					/				Page

N228CH A/C TT: 4178.1 hr. Engine Model: PT6A-66D Engine S/N: RV0009

Gas Generator TT: 3892.2 hr. Power Section TT: 3797.2 hr. Gas Generator Cycles: 4294 Power Section Cycles: 4177

> Engine TSO: 376.8 Engine CSO: 534

Special Inspection Items

August 24, 2021

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV19.0), section 71-00-00, 6A and C.

Routine Maintenance

- · Removed oil filter element, electrosonic cleaned, inspected, and re-installed using new o-rings per (PWCMM3070902RV19.0), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV19.0), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV19.0), section 73-10-07.
- Removed, inspected, and reinstalled RGB&AGB chip detectors with new o-rings, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- Performed 200 hr Visually inspection AGB oil screen. No defects.
- 400 hr fuel nozzle cleaning/flow check: Removed fuel nozzles. Reinstalled nozzles with new gaskets after cleaning/flow check performed by Dallas Airmotive, YRR2491L. on 5 Aug, 2021, W.O. RPR57781/2290425. See FAA Form 8130.
- 400 hr borescope inspection performed by Dallas Airmotive. See preceding logbook entry.
- Drained and replaced engine oil with same type/brand, Aeroshell 560.
- C/W by SIL PT6A-213 by applying corrosion inhibitor to engine inlet struts.

Jeremy A. Greene

tor Medical Air Inc.

N228CH Aircraft TT: 4178.1 hrs Engine: PT6A-66D S/N: RV0009

Engine TSO: 376.8 hrs Engine CSO: 534

Gas Generator TT: 3892.2 hrs Power Section TT: 3797.2 hrs Gas Generator cycles: 4294

August 24, 2021

Power Section cycles: 4177 Complied with operational check of igniters. Ops check o.k.

- Ground ran and operational check good. No leaks detected.

- I certify that this engine has been inspected in accordance with DAHER R48 Maintenance Manual and P&WC MM 3070902, REV20.0, dated April 12, 2021 section 71-00-00 #8 periodic inspection table 601 (100hr) (Annual) and is approved for return to scrvice.

Da Cotanto Paul A. Cotrufo 1A2775553

N228CH S/N: 356 Power Section: 3860.6 hrs TT

Power Section total cycles: 4282 Power Section TSO: 440.2 hrs.

Gas Gen: 3955.6 hrs TT Gas Gen total cycles: 4399 Gas Gen TSO: 440.2 hrs

April 11, 2022

Aircraft TT: 4241.5 hrs.

Landing cycles: 4526

Found 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed new solenoid valve, P/N: 3032083, S/N: ARKA000A171 with new o-ring, P/N: AS3208-04. Ground ran aircraft per PWC MM 3070902, Rev. 22 11/APR/22, Section 71-00-00 (15.A) (BS1198) Confirmed proper torque limiter operation and 850 mode normal.

Paul A. Cotrufo

AP2775553 For Medical Air, Inc

# DAHER

FAA CRS # URZR891L / EASA.145.5152

Daher Aircraft, Inc. 601 NE 10th Street Pompano Beach, FL 33060

Date: 10/03/2022

Serial Number: 356

Registration: N228CH

Aircraft type: TBM 700 Work Order: 7701

Meter Time: 4274.5 Hobbs

Time Since New: 4274.5

Cycle Since New: 4582

- Eng. PT6A-66D S/N GG-RV0009 Gas Gen. TT. 3988.6, TC. 4455.0, Power Section TT. 3893.6, TC. 4338.0, Gas Gen. TSO 473.2, TC. 695, Power Section TSO. 473.2, TC. 695
- Performed a Standard Program C+/Annual inspection IAW TBM Maintenance manual chapters 05-20-04/05-20-05. 14 CFR 91-409(a)(1) and Part 43 Appendix D.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found.
- Ferformed engine minor inspection IAW P&WC maintenance manual chapter 72-00-00 Par. 8 Table 601, no defect noted.
- Performed ultrasonic cleaning P3 filter. Cleaned/inspected P3 filter drain valve housing assy and filter bowl. Re-installed with new O-rings.
- Removed engine oil filter, cleaned, inspected and re-installed with new O-rings P/N AS3209-120, AS3209-143.
- Inspected AGB scavenge pump inlet screen IAW P&WC Maintenance manual chapter 72-60-00, Par. 6-D, no foreign material found.
- Performed bridge check and continuity of chip detector, no defect noted.
- Replaced both igniters with new, P/n: CH34055.
- C/W P&WC SIL PT6A-213 Inspected engine compressor inlet case for corrosion, no defect noted at this inspection. Applied an approved corrosion inhibitor compound "Corrosion X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213.
- Performed compressor, turbine desalination wash per Pratt & Whitney maintenance manual chapter 71-00-00.
- Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked found satisfactory

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 Permanent Records Of The Repair Are in File At This Repair Station Under W.O. # 7701,

Date: 10/05/2022 Signature: \_\_\_\_\_ Darren SEAGO

CRS # URZP891L / EASA, 145,5152

I certify that this Engine has been inspected/repaired in accordance

with "C +" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Perlinent details on file

under W.O # 7701 and copy given to customer. Aircraft T.T. 4274.5 Engine T.T: 3983.6 Prop T.T: 3172.5

O\_\_ Darren SEAGO Date: 10/03/2022 CRS # URZR891L / EASA 145.5152

Gas Generator TT: 3745.5hr. N228CH S/N: 356 A/C TT: 4031.4hr. Power Section TT: 3650.5hr. **Engine Model: PT6A-66D** Gas Generator Total Cycles: 4064 Engine S/N: PCE-RV0009 Power Section Total Cycles: 3947 July 1, 2020 Engine TSO: 230.1hr. 1 of 2 Engine CSO: 304 Maintenance Items - Complied with (C/W) Pratt & Whitney Canada, (P&WC) 100hr. P&WC Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C. - C/W P&WC 100hr.Inspection, Cleaning of P33 Filter & P3 Filter Drain Valve Housing. Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV18.1), section 73-10-07. Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV18.1), section 73-10-07. - C/W a P&WC 100hr. Chip Detectors Inspection. Removed, inspected and reinstalled front and rear chip detectors with new O-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this - C/W P&WC SIL No. PT6A-213 Compressor Inlet Case Corrosion Prevention. Inspected engine compressor inlet case for corrosion, no defects noted at this inspection. Applied an approved corrosion inhibitor compound, Corrosion X" on inlet case area as required IAW (PWCMM3070902Rev.18.1) section 72-00-00 as specified in ዞ&WC SIL No. PT6A-213. - Removed oil filter element, inspected, electrosonic cleaned, and re-installed using new O-rings per (PWCMM3070902RV18.1), section 79-20-02. - C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap. Jeremy A. Greene AP 3666293 for Medical Air Inc. N228CH S/N: 356 Gas Generator TT: 3745.5hr. A/C TT: 4031.4hr. Power Section TT: 3650.5hr. **Engine Model: PT6A-66D** Gas Generator Total Cycles: 4064 **Engine S/N: PCE-RV0009** Power Section Total Cycles: 3947 July 1, 2020 Engine TSO: 230.1hr. 2 of 2 - Complied with P&WC 106-2015 PT6- Engine Oil Sample Instructions, by taking an oil sample IAW the - Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. I certify this Engine has been inspected in accordance with (IAW) a Daher-Socata "B+" Inspection per Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R47, items specified in P&WC MM 3070902, Rev. 18.1, dated July 27, 2017, section 72-00-00, #8 Periodic Inspection, Table 601 and is approved David K. Eastwood IA2778982 for Medical Air Inc.

N228CH

A/C TT: 4117.2hr.

Engine Model: PT6A-66D Engine S/N: RV0009

March 3, 2021

Gas Generator TT: 3831.3hr.
Power Section TT: 3736.3hr.
Gas Generator Cycles: 4194
Power Section Cycles: 4077
Engine TSO: 315.9

Engine CSO: 434

#### Special Inspection Items

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV19.0), section 71-00-00, 6A and C.

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV19.0), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV19.0), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV19.0), section 73-10-07.
- Removed, inspected and reinstalled chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV19.0, dated January, 18 2021 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service. Ground ran and operational checkout good. No leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.



F.A.A. CRS YRR2491L Dallas Airmotive, Inc. 40591 Airport Road New London NC 28127

Customer: MEDICAL AIR INC.

Aircraft Mfg. Type: TBM 700 Engine Type: PT6A-66D Reg #: N228CH S/N: 356

Aircraft TT: 4178.10 Total Landings: 4421

Engine S/N: PCE-RV0009 TT: 3892.2 TC: 4294 TSO: 376.8 CSO: 534.0

Work Performed: PERFORMED BORESCOPE INSPECTION ON ENGINE S/N PCE-RV0009. ALL WORK PERFORMED WITH REFERENCE TO PRATT AND WHITNEY CANADA MAINTENANCE MANUAL P/N 3070902 REVISION 20.0 DATED 12-APR-2021 AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINISTRATOR.

This certifies that the work requested by the customer and described on the sales order listed below was accomplished and inspected with reference to instructions for continued airworthiness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved for return to service. Pertinent details of this repair are on file at this FAA Certificated Repair Station.

Date: 03-AUG-2021

Work Order: RPR57781

Signature Signature For Dallas Airmotive Repair Station YRR2491

NOTE: Given the nature of borescope instrumentation it is often not possible to make observations and examine all areas of an individual engine as part of an evaluation. Based on this limitation, Dallas Airmotive, inc. cannot and does not warrant its findings for borescope evaluations (pre-purchase and otherwise) against the possibility that hidden damage may exist that was not observable and reported by our technician at the time of the evaluation.

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overhaul

Time since Date Time since

Pratt & Whitney Engine Services, Inc.

new

Total cycles

Details of task

A United Technologies Company

Certificate Number LM1R.	301K	A United Technologies Company					
Manufacturer PRATT & W	HITNEY	Description ENGINE, TURBOPROP	Model/Type PT6A-66D	Serial Number PCE-RV0009			
ENGINE SECTION	Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul			
Gas Generator	3737.8	4047	222.4	287			
Power Section	3642.8	3930	222.4	287			

☐ Overhaul □ Repair

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1525 Midway Park Road Bridgeport, WV 26330

C.T. Vane Class: 7.22 3S9 P.T. Vane Class: 23.15 5S1

#### DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

THIS ENGINE HAS BEEN INSPECTED, REPAIRED, AND TESTED FOR "POOR PERFORMANCE" IN ACCORDANCE WITH P&WC OVERHAUL MANUAL, P/N: 3070903, REV. 15, DATED 10 JUN 2019; MAINTENANCE MANUAL, P/N: 3070902, REV 18, DATED 10 APR 2017; AND OTHER P&WC APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE ADMINISTRATOR.

INSTALLED NEW: CT DISK P/N: 3053740-01, S/N: YUAB001R069; CT BLADES P/N: 3118911-01

ITT TRIM: 75.9°F. 42.2°C. TRIM RESISTANCE: 26.8Ω

C.T. TRIM BALANCE WEIGHTS: G06N E22N N/R

C.T. BAFFLE CLASS: 09 **BOV SEAT: 16** 

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. This engine has been determined to be airworthy with respect to the work performed. Pertinent details of the work performed are on file at this agency under sales order No. 217211.

13 APR 2020

BRADLEY R. MILLS, AUTHORIZED INSPECTOR

PWV-3096 (FEB 15)

Export Classification: ECCN 9E991



Pratt & Whitney Engine Services, Inc. 1527 Midway Park Road Bridgeport, WV 26330

FAA CRS # L2QR166Y

ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN: 4,023.7	HOUR METER:
TBM 850	N #: N228CH	ACFT. TCSN: 4,174	4,023.7
ENG. MODEL:	ENG S/N:	ENG. TTSN: See Below	ENG. TCSN: See Below
PT6A-66D	PCE-RV0009	ENG. TSO: See Below	ENG. CSO: See Below

Page 1 of 1

ENGINE ASSY:

Gas Generator: TTSN: 3,737.8 TCSN: 4,047 TSO: 222.4 CSO: 287 Power Section: TTSN: 3,642.8 TSCN: 3,930 TSO: 222.4 CSO: 287

Medical Air Inc. Requested MRT Support to remove Rental Engine S/N PCE-RV0211 and install their repaired Engine S/N: PCE-RV0009. Removed Rental Engine S/N: PCE-RV0211 from N228CH in serviceable condition. Removed the customers Airframe QEC Components from ESN: PCE-RV0211 and Installed them on the Customers Repaired Engine S/N PCE-RV0009.

Installed the Customers Repaired Engine, S/N: PCE-RV0009 on N228CH, S/N 356 with new packings, seals, gaskets and hardware as required. The Engine was serviced with 12 qts of AeroShell Turbine Oil 560 and then performed rigging, leak checks and ground performance runs with satisfactory results. A visual inspection was performed of the remainder of the areas accessed with no defects noted at this time.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 18.1, dated Jul 27/2017 and Daher Socata TBM 700A,B,C, & 850 Maintenance Manual, P/N Z00.DMAMMPXEE0R47, dated Sep 18 and/or applicable Service Bulletins.

With respect to the work performed above, this engine has been inspected in accordance with current regulations of the Federal Aviation Administration. Pertinent details of the work performed are on file at this agency under Sales Order: 217211

Date: 27 Arp 2020

Approved Inspector:

Export Classification: ZECCN 9A101.a.

Date: 04/27/2020 Badge: E-PW647539 Page 1 of 1 RSCF GEN-041 (Apr 13) Page 28



RSCF GEN-041 (1/4/2013)

Pratt & Whitney Engine services, Inc.

1527 Midway Park Road Bridgeport, WV 26330 FAA CRS # L2QR166Y

ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN:	3812.9	HOUR METER:	
TBM 850	REG. #: N228CH	ACFT. TCSN:	3912		N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN:	N/A	ENG. TCSN:	N/A
PT6A-66D	PCE-RV0009	ENG. TSO:	72.8	ENG. CSO:	103.0

Page 1 of 1

COMPLIED WITH BORESCOPE INSPECTION OF THE FIRST STAGE COMPRESSOR ROTOR ASSEMBLY, C.T. BLADES, AND SHROUD SEGMENTS. NO DEFECTS NOTED AT THIS TIME. INSPECTED THE TRIM THERMOCOUPLE AND T5 HARNESS. NO DEFECTS NOTED AT THIS TIME. COMPLIED WITH OIL LEAK ON BOTTOM AFT SIDE OF ENGINE. PERFORMED SATISFACTORY GROUND PERFORMANCE RUN AND LEAK CHECKS, ALL WORK PERFORMED I/A/W PT6A-66D MAINTENANCE MANUAL P/N 3070902 REV. #18.1 DATED JUL 27 2017 AND DAHER SOCATA AMM P/N Z00. DMAMMPXEE0R47 REV. #47.

GAS GEN - TTSN:3588.2 TCSN: 3863.0 TSO: 72.8 CSO: 103 POWER SEC - TTSN: 3493.2 TCSN: 3746.0 TSO: 72.8 CSO: 103

No Technical Data

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under Sales Order: 213691

N228CH A/C TT: 3838.0hr. Engine Model: PT6A-66D Engine S/N: RV0009

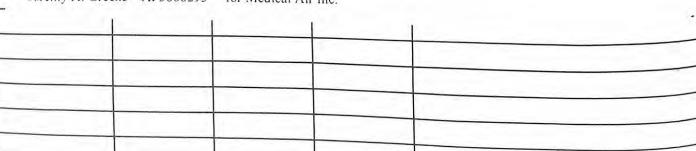
Gas Generator TT: 3613.3hr. Power Section TT: 3518.3hr. Gas Generator Cycles: 3899

Power Section Cycles: 3782

August 21, 2019

- Removed oil filter element, P/N: 3059257-01 and installed a new oil filter P/N: 3059258-01 using all new orings per (PWCMM3070902RV47.0), section 79-20-02.
- Performed P&WC Special Instruction No. 106-2015R2, oil analysis taken.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP3666293 for Medical Air Inc.





N228CH

A/C TT: 3903.6hr.

Engine Model: PT6A-66D Engine S/N: RV0009

October 21, 2019

Gas Generator TT: 3678.9hr. Power Section TT: 3583.9hr.

Gas Generator Cycles: 3980 Power Section Cycles: 3863 Engine TSO: 163.5

Engine CSO: 220

Special Inspection Items

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C.

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV18.1), section 79-20-02.

- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.

- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV18.1), section 73-10-07.

- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV18.1), section 73-10-07.

- Removed, inspected and reinstalled front chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.

- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV18.1, dated April, 10 2017 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service.

Jeremy A. Greene AP3666293 for Medical Air Inc.



RSCF GEN-041 (1/4/2013) Pratt & Whitney Engine Services, Inc.

1527 Midway Park Road Bridgeport, WV 26330 FAA CRS # L2QR166Y

		ACFT. TTSN: 3962.50	HOUR METER:
ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN: 3962.50	
TBM 850	REG. #: N228CH	ACFT. TCSN: 4096	N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN: 3642.8 PS	ENG. TCSN: 3930 PS
PT6A-66D	PS-RV0009	ENG. TSO: 222.4	ENG. CSO: 287

Removed engine S/N PCE-RV0009 Gas Gen TTSN: 3737.8 TCSN:4047 TTSO: 222.4 TCSO: 287, Power Section TTSN: 3642.8 TCSN: 3930 TTSO: 222.4 TCSO: 287 from aircraft to facilitate futher Maintenance.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 18, dated 4/10/2017 and Daher Socata TBM 700A,B,C & 850 Maintenance Manual P/N DMAMMPXE REV 47 and/ or applicable Service Bulletins.

No Technical Data

This engine has been inspected/repaired in accordance with current regulations of the Federal Aviation Administration and the work performed is NOT approved for return to service. Pertinent details of the work performed are on file at this agency under Sales Order: 216951

DATE: 5-Jan-2020

Approved Inspector:

Joe Peaslee

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Pratt & Whitney Engine Services, Inc.  1527 Midway Park Road Bridgeport, WV 26330 FAA CRS # L2QR166Y  Midway Park Road  Midway Park Road		P P				- T	
Ministry 1	// new overhaul					Bridger	dway Park Road bort, WV 26330
Medicarder Description Model/Type Scroll Number Process Section Model Process Model Process Section Model Process Section Model Process Model Pr	25 Midway Park Road idgeport, WV 26330					ACFT. TTSN: 3810.6	HOUR METER:
RATT & WHITNEY MODULE  Tine Since New Cycles Since New Tine Since Overhaul  Signed:  To 3 100  Overhaul Ed Require  C. T. Vanc Class: 23.75 \$55  P.T. Vanc Class: 23.75 \$252  P.T. Vanc P.T. V	Manufacturer Description		The state of the s	I BIVI 850	N#: N228CH	ACFT. TCSN: 3909	N/A
Time Sines New Japon 9 3743 Cycles Since New 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CALL & WHILNEY I	PT6A-66D	PS-RV0009	ENC MODEL:	ENG SN#	ENG. TTSN: N/A	ENG. TCSN: N/A
349.9.9 3743 70.5 100 Provented SR Repair CT. Vene Class; 23.5 25 P.T. Vanc Class; 23.75 252 P.T. Vanc		Time Since Overhaul	Cycles Since Overhaul		RV0009		
Overhaul				— INSTALLED CORE I	ENGINE ASSEMBLY S/N:		
With respect to the work performed above, this engine has been inspected / repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Perfunent details of the work performed are on file at this agency under Sal Order, 213561  Date 17 Jul 2019  RECF GEN-041 (Apr 13)  Page 1 of 1  N228CH S/N: 356  A/C TT: 3810.6hr.  Engine Model: PT6A-66D  Engine Model: PT6A-66D  Engine S/N: RV0009  July 17, 2019  Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.  Figure Tool. Page 1 of 1  Signed: AUDIORIZED INSPECTOR  Technical data NOT classified more restrictively than ECCN 9E:991  Date: 14/05/2013 Badge: E-PW42025  Page 1 of 1  N228CH S/N: 356  A/C TT: 3810.6hr.  Engine Model: PT6A-66D  Engine S/N: RV0009  July 17, 2019  Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.  Figure TSO: 3400. Photer. Social "C+1" inspection per Daher-Social "C+1" inspection per Daher-Soci	ENGINE MODULE HAS BEEN REPAIRED AND INSPECTE OVERHAUL MANUAL, P/N: 3070903, REV 14, DATED 28 ED 10 APR 2017; AND OTHER P&WC APPROVED DO EPTABLE TO THE ADMINISTRATOR. MATED WITH GA DRDANCE WITH THE OVERHAUL MANUAL.  Ingine module has been inspected and repaired in accordance worked for return to service. This engine module has been determined.	ED FOR "NOISE IN POWER SEC 8 MAY 2018; MAINTENANCE NO DCUMENTATION AND/OR EN AS GENERATOR MODULE, S/N: with current regulations of the Fed	MANUAL, P/N: 3070902, REV 18, IGINEERING DOCUMENTATION : PCE- RV0009, AND TESTED IN	SERVICED ENGINE GROUND PERFORM MAINTENANCE MA	WITH 9 QTS OF AEROSF IANCE RUN AND LEAK ( NUAL P/N 3070902 REV.	HELL 560 TURBO OIL. PERFO CHECKS. ALL WORK PERFOI	RMED I/A/W PT6A-66D
A/C TT: 3810.6hr.  Engine Model: PT6A-66D  Engine S/N: RV0009  July 17, 2019  Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.  Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.	BRADIEV R MALE A	AUTHORIZED INSPECTOR fore restrictively than ECCN 9E	E991	Order: 213361  Date 17 Jul 201	Approved	d Inspector: What Da	CKB S9
				A/C TT: 3810.6hr. Engine Model: PT6A-C Engine S/N: RV0009 July 17, 2019 Ground ran engine for after	r maintenance checks, ops	Power S Gas Ge Power S Engine Engine checked normal, no leaks noted a	Section TT: 3490.9hr. nerator Cycles: 3860. Section Cycles: 3743.0 TSO: 70.5hr. CSO: 100 at this time. Inspection per Daher-

RSCF GEN-041(APR13)

Pratt & Whitney Engine Services, Inc

1527 Midway Parkway Rd Bridgeport, WV 26201

FAA CRS # CRS L2QR166Y

ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN:	3712.1	HOUR METER:	
TBM 850	REG. #: N228CH	ACFT. TCSN:	3772		N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN:	3420.4	ENG. TCSN:	3643
PT6A-66D	PS-RV0009	ENG. TSO:	0.0	ENG. CSO:	0

Page 1 of 1

INSTALLED AIRFRAME COMPONENTS ON ENGINE S/N: RV0009. GAS GEN TTSN: 3515.4 TCSN: 3760 TSO: 0.0 CSO: 0 POWER SECTION TTSN: 3420.4 TCSN: 3643 TSO: 0.0 CSO: 0 INSTALLED ENGINE ON AIRCRAFT. SERVICED ENGINE WITH AERO SHELL 560 OIL. PERFORMED SATISFACTORY LEAK CHECK AND GROUND PERFORMANCE RUN.

ALL WORK PERFORMED I/A/W PT6A-66D MAINTENANCE MANUAL P/N 3070902 REV. #18 DATED APR 4 2017 AND DAHER SOCATA MAINTENANCE MANUAL PN ZOO.DMAMMPXEOR46 DATED SEP 2016

No Technical Data

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on

DATE: 4-Mar-2019

Approved Inspector:

Michael Harris



Signature

AME ACA/AMO SCA/AMO



RSCF GEN-041 (1/4/2013)

Pratt & Whitney Engine Services, Inc. 1527 Midway Park Road Bridgeport, WV 26330

		FAA CRS	# L2QR1	66Y	
ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN:	3782.6	HOUR METER:	
TBM 850	REG. #: N228CH	ACFT. TCSN:	3872		N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN:	3490.9	ENG. TCSN:	3743
PT6A-66D	PS-RV0009	ENG. TSO:	70.5	ENG. CSO:	100

Removed core engine S/N PCE-RV0009 GG Module S/N GG-RV0009 TTSN: 3585.9 TCSN: 3860 PS Module S/N PS-RV0009 TTSN: 3490.9 TCSN: 3743 due to unusual noise in PS module area during rotation. Routed engine to PWES plant 81 for investigation and repair.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 18, dated 4/10/2017 and Daher Socata AMM part number Z00.DMAMMPXEE0R47 Revision #47 and/or applicable Service Bulletins.

No Technical Data

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under Sales Order: 212242

DATE: 16-May-2019

Approved Inspector:

Brian Herron

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AME Time since Date Time since Signature ACA/AMO Total cycles Details of task --/--/-overhaul new SCA/AMO RSCF GEN-041 (1/4/2013) **Pratt & Whitney** Pratt & Whitney Engine Services, Inc. Pratt & Whitney Engine Services, Inc. 1525 Midway Park Road **Pratt & Whitney** 1527 Midway Park Road Bridgeport, WV 26330 A United Technologies Company Bridgeport, WV 26330 Certificate Number LM1R301K FAA CRS # L2QR166Y A United Technologies Company ACFT. S/N: 356 ACFT. TYPE: Manufacturer ACFT. TTSN: Description Model/Type HOUR METER: Serial Number 3638.0 POWER SECTION PRATT & WHITNEY **TBM 850** REG. #: PT6A-66D PS-RV0009 N228CH ACFT. TCSN: N/A 3672 MODULE Time Since New ENG. MODEL: ENG. SN# Cycles Since New Time Since Overhaul Cycles Since Overhaul ENG. TTSN: ENG. TCSN: 3515.4 3760 3420.4 3643 0.0 ENG. TSO: PT6A-66D PCE-RV0009 ENG. CSO: N/A N/A ○ Overhaul Repair C.T. Vane Class: 7.25 3S9 P.T. Vane Class: 23.75 2S2 Page 1 of 1 DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION: Removed core engine S/N PCE-RV0009 GG module S/N GG-RV0009 TTSN: 3515.4 TCSN: 3760 PS module S/N PS-RV0009 TTSN: 3420.4 TCSN: 3643. Engine assembly routed for Overhaul. THIS POWER SECTION MODULE HAS BEEN OVERHAULED, INSPECTED, AND TESTED IN ACCORDANCE WITH P&WC OVERHAUL MANUAL P/N: 3070903, REV 14, DATED 28 MAY 2018; AND OTHER P&WC All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 18, dated APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE 4/10/2017, Daher Socata Maintenance Manual P/N ZOO.DMAMMPXEOR46 dated September 2016 and/or applicable ADMINISTRATOR. MATED WITH GAS GENERATOR MODULE, S/N: PCE-RV0009 PRIOR TO TEST. Service Bulletins. INSTALLED NEW: 1st STAGE P.T.DISK P/N: 3037312, S/N: A004CHD7; QTY (43) 2ND STG P.T. BLADES P/N: 3056693-01 This engine module has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. This engine module has been determined to be airworthy with respect to the work performed. Pertinent details of the work performed are on file at this agency under sales order No. 209549. No Technical Data This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Date: 26 FEB 2019 Administration and the work performed is approved for return to service. Pertinent details of the work performed are on BRADLEY R. MILLS, AUTHORIZED INSPECTOR Technical data NOT classified more restrictively than ECCN 9E991 PWV-3096 (FEB 15) DATE: 11-Dec-2018

## DAHER

Date: 06/27/2018

FAA CRS # URZR891L / EASA.145.5152

SOCATA North America, Inc. 601 NE 10th Street Pompano Beach, FL 33060

Meter Time: 3436.4 Hobbs

Serial Number: 356

Registration: N228CH

Aircraft type: TBM 700

Time Since New: 3436.4 Cycle Since New: 3450 Work Order: 6378

- Eng. PT6A-66D S/N PS-RV0009 TSN. 3218.8 CSN. 3421.
- Performed a Standard Program B+/Annual inspection IAW TBM Maintenance manual chapters 05-20-03/05-20-05. 14 CFR 91-409(a)(1)
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found.
- Performed engine minor inspection IAW P&WC maintenance manual chapter 72-00-00 Par. 8 Table 601, no defect noted.
- Performed ultrasonic cleaning P3 filter. Cleaned/Inspected P3 filter drain valve housing assy and filter bowl. Re-installed with new O-rings.
- Removed engine oil filter, cleaned, inspected and re-installed with new O-rings P/N AS3209-120, AS3209-143,
- Inspected AGB scavenge pump inlet screen IAW P&WC Maintenance manual chapter 72-60-00, Par. 6-D, no foreign material found.
- Performed bridge check and continuity of chip detector, no defect noted.
- Replaced both igniters with new P/N CH34055
- C/W 400 hrs. Removed and sent fuel inlet nozzle P/N 3119856-01 S/N 08-05 and fuel duplex nozzles P/N 3119855-01 for inspection and flow test by SouthEast Turbines CRS # E7BR231O, W.O. TS7199, date 08/Jun/2018 and re-installed with new pre-formed packings and gaskets IAW Pratt & Whitney maintenance manual chapter 73-11-05. C/W SB 13486, SB 14357R2, SB 14495 at this shop visit.
- In conjunction with fuel nozzles removal, performed a borescope inspection of hot section, no defect noted.
- C/W P&WC SIL PT6A-213 Inspected engine compressor inlet case for corrosion, no defect noted at this inspection. Applied an approved corrosion inhibitor compound "Corrosion X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213.
- Performed compressor, turbine desalination wash per Pratt & Whitney maintenance manual chapter 71-00-00.
- Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked found satisfactory and no leak noted

The aircraft Airframe, Engine, Prepeller, 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. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 6378, Date: 06/27/2018 Signature: K. Phongowath Kam Phongsavath

CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repaired in accordance with "B +" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Pertinent details on file under W.O # 6378 and copy given to customer.

Aircraft T.T: 3436.4 Engine T.T: 3218.8 Prop T.T: 212.5 Signature: K. Philipping Martikam Phongsavath Date: 06/27/2018 CRS #URZR891L / EASA 145.5152

	*//	



N228CH

A/C TT: 3527.3hr.

Engine Model: PT6A-66D

Engine S/N: RV0009 September 21, 2018

#### Special Inspection Items

- C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV46.0), section 71-00-00, 6A and C.

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV46.0), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV46.0), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV46.0), section 73-10-07.
- Removed, inspected and reinstalled front chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.
- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV46.0, dated April, 9 2018 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service.

Jeremy A. Greene AP3666293 for Medical Air Inc.

Gas Generator TT: 3404.7hr.

Power Section TT: 3309.7hr.

Gas Generator Cycles: 3638

Power Section Cycles: 3521

N228CH	Gas Generator TT: 3084.8hr.	1	á c	N228CH S/N: 356	Gas Generator TT: 3175.0hr
A/C TT: 3207.4hr.	Power Section TT: 2989.8hr.		4()	A/C TT: 3297.6hr.	Power Section TT: 3080.0hr
Engine Model: PT6A-66D	Gas Generator Cycles: 3286	LT .5.	i	Engine Model: PT6A-66D	Gas Generator Cycles: 3380
Engine S/N: RV0009	Power Section Cycles: 3169			Engine S/N: PCE-RV0009	Power Section Cycles: 3263
September 29, 2017	·		·	January 5, 2018	2 of 2
Special Inspection Items				- Collected oil sample for analysis IAW P&WC Special In- Ground ran engine for after maintenance checks, ops che	nstruction No. 106-2015R2.
- C/W Engine Compressor Desalination & Turbine I	Rinse in accordance with (PWCMM3070902RV18.1).		!	I certify this Engine has been inspected in accordance with	t (IAW) a Daher-Socata "A" Inspection using Daher
section 71-00-00, 6A and C.				Socata TBM 700C Maintenance Manual, P/N: Z00.DAM	AMMPXFF0R46 and items specified in P&WC MM
Routine Maintenance	noted and as fastalled active			3070902, REV.18.1, July 27, 2017, (PWCMM3070902R	RV18.1) section 72-00-00, #8 Periodic Inspection.
- Removed oil filter element, electrosonic cleaned, inspective (PWCMM3070902RV18.1), section 79-20-02.	ected and re-installed using new o-rings per		-	Table 601 and is approved for return to service.	map we man and a series of the
- C/W P&WC SIL No. PT6A-206R2 by leaving the Ex	xhaust Duct Drain out and performing an engine drying run			On he East	
at 80% NG for 2 minutes. After engine shutdown reinsta	Illed and safetied can.			David K. Eastwood AP2778982 for Medical Air Inc.	
<ul> <li>Cleaned P3 air filter housing drain valve assembly per</li> </ul>	(PWCMM3070902RV18.1) section 73-10-07				1 1
<ul> <li>Performed electrosonic cleaning of P3 air filter, inspect</li> </ul>	cted and re-installed with new O-rings per		_		
(PWCMM3070902RV18.1), section 73-10-07.	Alan a ta				
found at this time. Cabin chip light tested good at this tir	detectors with new o-ring, torqued and safetied. No metal				
Ground ran engine for after maintenance checks, ops c	thecked normal, no leaks noted as 41 is since			N228CH	Gas Generator TT: 3274.4hr.
- I certify that this engine has been inspected in accorda	nce with P&WC MM 3070002 DEV 10 1 Jack 4		_	A/C TT: 3397.0hr.	Power Section TT: 3179.4hr.
July 27, 2017 section 71-00-00 #8 periodic inspection ta	ible 601 (100hr) and is approved for return to service			Engine Model: PT6A-66D	Gas Generator Cycles: 3488
	appload for return to service.			Engine S/N: RV0009	Power Section Cycles: 3371
Jeremy A. Greene AP3666293 for Medical Air Inc.				April 13, 2018	
1 1			_	Special Inspection Items	
				- C/W Engine Compressor Desalination & Turbine Rin	se in accordance with (PWCMM3070902RV18.1),
N228CH S/N: 356	•	mr	A P	section 71-00-00, 6A and C.	
A/C TT: 3297.6hr.	Gas Generator TT: 3175.0hr.	· · · · ·	1	Removed oil filter element electronic element	-d -u d us installed using many a mimag man
Engine Model: PT6A-66D	Power Section TT: 3080.0hr.		_	<ul> <li>Removed oil filter element, electrosonic cleaned, inspecte (PWCMM3070902RV18.1), section 79-20-02.</li> </ul>	ed and re-installed using new o-rings per
Engine S/N: PCE-RV0009	Gas Generator Cycles: 3380	/.		- C/W P&WC SIL No. PT6A-206R2 by leaving the Exha	oust Duct Drain out and performing an engine drying run
January 5, 2018	Power Section Cycles: 3263			at 80% NG for 2 minutes. After engine shutdown reinstalle	d and safetied cap.
Routine Maintenance	1of 2			- Cleaned P3 air filter housing drain valve assembly per (P	WCMM3070902RV18.1), section 73-10-07.
- C/W 100hr. P&WC Engine Compressor Dearly	41		_	- Performed electrosonic cleaning of P3 air filter, inspected	d and re-installed with new O-rings per
(PWCMM3070902RV18.1), section 71-00-00, 6A an	ation & Turbine Rinse in accordance with			(PWCMM3070902RV18.1), section 73-10-07.	to the second and referred No motel found at
				<ul> <li>Removed, inspected and reinstalled front chip detector withis time. Cabin chip light tested good at this time.</li> </ul>	ith new o-ring, torqued and safetied. No metal found at
Work performed IAW (DWCDAMAZOROGO TO THE WORK DESCRIPTION OF THE PROPERTY OF T	ned inlet screen filter. Installed both filters with new O-rings.			- Ground ran engine for after maintenance checks, ops chec	cked normal no leaks noted at this time.
Work performed IAW (PWCMM3070902RV18.1) se Removed oil filter element, electrosonic element	ection 73-10-02 #5 & #7.		_	- I certify that this engine has been inspected in accordance	e with P&WC MM 3070902, REV.18.1, dated
(PWCMM3070003DV10.1)	Dected and re-installed using now O			July 27, 2017 section 71-00-00 #8 periodic inspection table	e 601 (100hr) and is approved for return to service.
- U/W P&WC SIL No PT64 20cpa :					
at 80% NG for 2 minutes. After engine shutdown reins - Cleaned P3 air filter housing drain valve assemble.	Exhaust Duct Drain out and performing an engine drying run			Jeremy A. Greene AP3666293 for Medical Air Inc.	
- Cleaned P3 air filter housing drain valve assembly p - Performed electrosonic cleaning of P3 air filter, insp	per (PWCMM3070002DV10.1)	/ i	_		
- Performed electrosonic cleaning of P3 air filter, insp (PWCMM3070902RV18.1), section 73-10-07.	pected and re-installed with new Original				
- Removed, inspected and reinstalled front and	nip detectors with new O-ring, torqued and safetied. No metal				
found at this time. Cabin chip light tested good at this	Ilp detectors with new O-ring, torqued and safetiad No.				
- Replaced both igniters, P/N: CH34055 due to worm	beyond limits of the second surctions and surctions and surctions are second surctions.		_		
torqued using new gaskets, P/N: 3010880. Reinstalled - Ground ran engine for after maintenance checks on	beyond limits. Checked for operation and reinstalled and and safetied and		<b>,</b>		
- Ground ran engine for after maintenance checks, operations of the second range of th	s checked normal, no locale				
Jeremy A. Greene AP 3666293 for Medical Air Inc.	notinal, no leaks noted at this time.	//			
y was a second for social Air Inc.					
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		<i>一 /;</i>			

N228CH S/N: 356

DAHER FAA CRS # URZR891L / EASA.145.5152 601 NE 10th Street A/C TT: 3010.4hr. Power Section TT: 2792.8hr. Pompano Beach, FL 33060 Engine Model: PT6A-66D Gas Generator Cycles: 3031 Serial Number : 356 893 John
Time Since New : 37112 Off Cycle Since New : 3149 Work Order : 6051 Date: 05/30/2017 Aircraft type: TBM 850 Engine S/N: PCE-RV0009 Power Section Cycles: 2914 Meter Time: 3111.2 Hobbs January 26, 2017 Special Inspection Items Eng. PT6A-66D S/N. PS-RV0009 TSN. 2893.6 HSI. 1315.1 CSN. 3032. - C/W Daher Special Check #43 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) Performed a Standard Program - C+/Annual inspection IAW TBM Maintenance manual chapters 05-20-04/05-20-05. 14 CFR 91.409(a)(1) P&WC MM 3070902, REV.17.2 January 13, 2017, (PWCMM3070902RV17.2) section 71-00-00, 6A and 6C. and Part 43 Appendix D. - Complied with P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found. drying run at 80% Ng for 2 minutes. After engine shutdown reinstalled and safetied the cap. - Performed engine minor inspection IAW P&WC maintenance manual chapter 72-00-00 Par. 8 Table 601, no defect noted. - C/W Daher Special Check #49 Inspect, Clean P3 Filter & P3 Filter Drain Valve Housing. Performed ultrasonic cleaning P3 filter. Cleaned/Inspected P3 filter drain valve housing assy and P3 filter bowl. Re-installed with new O-rings. Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV17.2) - Cleaned, inspected and re-installed oil filter with new O-rings. section 73-10-07. Inspected AGB scavenge pump inlet screen IAW P&WC Maintenance manual chapter 72-60-00, Par. 6-D, no foreign material found. - Performed electrosonic cleaning of P3 air filter inspected and re-installed with new O-rings per - Performed bridge check and continuity of chip detector, no defect noted. (PWCMM3070902RV17.2) section 73-10-07. Collected engine oil sample and provided the oil sample kit to customer for analysis. Routine Maintenance - C/W 400 hrs. Removed and sent fuel inlet nozzle P/N 3119856-01 S/N 2182 and fuel duplex nozzles P/N 3119855-01 for inspection and flow - Removed, inspected and reinstalled front chip detector with new O-ring, torqued and safetied. No metal found at test by SouthEast Turbines CRS # E7BR2310, W.O. TS6807, date 02/May/2017 and re-installed with new pre-formed packings and gaskets this time. Cabin chip light tested good at this time. IAW Pratt & Whitney maintenance manual chapter 73-11-05. C/W SB 14357R2, SB 14495 at this shop visit. - Removed oil filter element, elecrosonic cleaned, inspected and re-installed using new o-rings per - In conjunction with fuel nozzles removal, performed a borescope inspection of hot section, no defect noted. (PWCMM3070902RV17.2) section 79-20-02. - C/W P&WC SIL PT6A-213 Inspected compressor inlet case , no corrosion found. Applied approved corrosion inhibitor compound "Corrosion - Replaced both igniters, P/N: CH34055. Checked for operation and reinstalled and torqued using new gaskets, X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213. P/N: 3010880. Reinstalled and safetied ignition leads. Performed compressor, turbine desalination wash IAW Pratt & Whitney maintenance manual chapter 71-00-00. - Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. Installed new igniter gaskets P/N 3010880. - I certify this Engine has been inspected in accordance with (IAW) items specified in P&WC MM 3070902, Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked, found satisfactory REV.17.2, January 13, 2017 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to and no leak noted. service. (PWCMM3070902RV17.2) The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are on File At This Repair Station Under W.O. # 6051, Date: 05/30/2017 Signature: K. Phonylova Kam Phongsavath Jeremy A. Greene AP 3666293 for Medical Air Inc. CRS # URZR891L / EASA, 145,5152 I certify that this Engine has been inspected/repaired in accordance with "C +" inspection per Socata MM & Far 43 and determine to be in Airworthy condition. Pertinent details on file under W O # 6051 and copy given to customer. Aircraft T.T: 3111.2 Engine T T: 2893.6 Prop T.T: 2009.2 Signature: K. Phonglandi Kam Phongsavath Date: 05/30/2017 CRS # URZR891L / EASA 145.5152

Gas Generator TT: 2887.8hr.

SOCATA North America, Inc.

Page 21

N228CH S/N: 356 A/C TT: 2725.2hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009	Gas Generator TT: 2602.6hr. Power Section TT: 2507.6hr. Gas Generator Cycles: 2705	A D	N228CH S/N: 356 A/C TT: 2916.3hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009	Gas Generator TT: 2793.7hr. Power Section TT: 2698.7hr. Gas Generator Cycles: 2948 Power Section Cycles: 2831
April 25, 2016 2 of 2  Special Inspection Items - Daher-Socata Special Check #39 Engine Boros Cert.No.YRR6491L, Paul McKinny, Order no. FS4 I certify this Engine has been inspected in accordar Socata TBM 700C Maintenance Manual, P/N; Z00			October 13, 2016  Special Inspection Items  - C/W Daher Special Check #41 Engine Compressor Des P&WC MM 3070902, REV.17.1 August 18, 2016, (PWCM - Complied with P&WC SIL No. PT6A-206R2 by leaving drying run at 80% Ng for 2 minutes. After engine shutdown - C/W Daher Special Check #46 Inspect, Clean P3 Filter Inspected and cleaned P3 air filter housing drain valve asser section 73-10-07.  - Performed electrosonic cleaning of P3 air filter inspected a (PWCMM3070902RV17.1) section 73-10-07.  Routine Maintenance  - Removed, inspected and reinstalled front chip detector wi	IM3070902RV17.1) section 71-00-00, 6A and 6C.  g the Exhaust Duct Drain out and performing an engine reinstalled and safetied the cap.  & P3 Filter Drain Valve Housing.  mbly per (PWCMM3070902RV17.1)  and re-installed with new O-rings per
N228CH S/N: 356 A/C TT: 2820.8hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 July 15, 2016 Special Inspection Items	Gas Generator TT: 2698.2hr. Power Section TT: 2603.2hr. Gas Generator Cycles: 2819 Power Section Cycles: 2702		this time. Cabin chip light tested good at this time.  Removed oil filter element, electrosonic cleaned, inspected (PWCMM3070902RV17.1) section 79-20-02.  Replaced Right ignitor lead with new lead, P/N: CH53399  Replaced both igniters, P/N: CH34055 due to worn beyond torqued using new gaskets, P/N: 3010880. Reinstalled and second ran engine for after maintenance checks, opsiched Jeremy A. Greene AP 3666293 for Medical Air Inc.	9-06. Ops checked good at this time. d limits. Checked for operation and reinstalled and afetied ignition leads.
drying run at 80% Ng for 2 minutes. After engine sh - C/W P&WC 106-2015 PT6A-Engine Oil Sample and mailing the sample to P&WC Longueuil, Quebee - C/W Daher Special Check #46 Inspect, Clean P. Inspected and cleaned P3 air filter housing drain value section 73-10-07 Performed electrosonic cleaning of P3 air filter inst (PWCMM3070902RV17) section 73-10-07.  Routine Maintenance - P&WC SB No. 14507R1 Inspection of Intercontact April 25, 2016, 2725.2hr. Aircraft Total Time. Safet Removed oil filter element, electrosonic cleaned, in (PWCMM3070902RV17), section 79-20-02 Removed. inspected and reinstalled front chip detection in the cleaned of this time. Cohing which light the chip detection is the safet in the cohing which is the chip detection.	c, and Canada for analysis.  3 Filter & P3 Filter Drain Valve Housing.  we assembly per (PWCMM3070902RV17)  pected and re-installed with new O-rings per  meet Rod previously C/W P&WC SB No. 14507, y cable installed correctly. No interference found.  spected and re-installed using new o-rings per  ctor with new O-ring torqued and re-installed as a second content of the content of		N228CH S/N: 356 A/C TT: 2916.3hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 October 13, 2016 I certify this Engine has been inspected in accordance with Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAN 057.37 and items specified in P&WC MM 3070902, REV.1 Inspection, Table 601 and is approved for return to service.  David K. Eastwood AP2778982 for Medical Air Inc.	MMPXEE0R45, with Temporary Revisions through 17.1, August 18, 2016 section 72-00-00, #8 Periodic
the state of the case of the c	os checked normal, no leaks noted at this time.  with (IAW) items specified in P&WC MM 3070902,  dic Inspection. Table 601 and is approved for return to service.	78		
		2		Pa

December 21, 2015, section 71-10-limiter and "850 mode", both function	lve P/N: 3032083, S/N: 0213T and in led IAW PWC PT6A-66D MM P/N: 09. Ground ran aircraft and performations operate correctly at this time.	Gas Generator TT: 2558.8hr. Power Section TT: 2463.8hr. Gas Generator Cycles: 2638 Power Section Cycles: 2521  Installed new solenoid valve 3070902 Rev. #16.2 dated and ground functional check of the torque		P&WC MM 3070902, REV.17 March 7, 2016, (PWCMI Complied with P & WC SIL No. PT6A-206R2 by leavi drying run at 80% Ng for 2 minutes. After engine shutdow - C/W Special Check #43 Engine Fuel Manifold Adap Removed all 14 nozzle assemblies and sent to Dallas Air Dallas Airmotive, Inc. Stanly County Airport, New Lond dated April 14, 2016. Nozzles were cleaned, inspected an were also complied with at this time.	ing the Exhaust Duct Drain out and performing an engine wn reinstalled and safetied the cap.  oters & Nozzles, Inspect/Clean and Test.  motive, Inc. for cleaning and testing. Work performed by on, NC FAA YRR2491L under WO #FS46251/1802491 and tested and reassembled. SB14357R4 and SB14495R3
Customer: UNC Air Operations Engine Position: Center Aircraft Info: TBM 700	BBA Aviation  S/N: PCE-RV0009  S/N: 356 Reg: N228CH	Engine Model: PT6A-66D  ETT: 2725.2 Cycles: 2705	<b>O</b>	<ul> <li>(20825-G). Inspected and cleaned inlet screen filter. Insta (PWCMM3070902RV17) section 73-10-02 #5 &amp; #7.</li> <li>C/W Daher Special Check #46 Inspect, Clean P3 Fil Inspected and cleaned P3 air filter housing drain valve section 73-10-07.</li> <li>Replaced P3 filter, P/N: 3059788-01 with new O-rings</li> <li>C/W Special Check #47 Replacement of Oil Filter E</li> </ul>	dated March 7, 2016. Removal and installation performed qued and safetied. Ground ran engine to perform leak prilters. Replaced fuel pump discharge filter, P/N: 57274 alled both filters with new O-rings. Work performed IAW lter & P3 Filter Drain Valve Housing. assembly per (PWCMM3070902RV17)  per (PWCMM3070902RV17) section 73-10-07. Element. Removed oil filter element. Installed new oil filter
P/N 3070902 Rev. 17.0 Dated March 0: with respect to the work performed, is Station.  Order No.: FS46251 Date: 4/13/2016  For Dallas Airmotive, Incorporated Rep	the engine as part of a 400 hour routine insposes on the compressor blades refer to the MM (17, 2016 for continued airworthiness, other disapproved for return to service. Pertinent de Signed: _Paul McKinny Signatur	ATT: 2725.2 Cycles: 2705  ection. The condition of the engine is normal for time in for blending criteria. Refer to the Pratt and Whitney MM ata acceptable to the FAA and current FAA regulations, and etails of this repair are on file at this FAA Certificated Repair are:  Paynton Beach, FL 33426  and examine all areas of an individual engine as part of an inspection. Spections (pre-purchase and otherwise) against the possibility that hidden		new O-ring, torqued and safetied. No metal found at this  - C/W Special Check #49 AGB Internal Scavenge Pu out, inspected scavenge pump inlet screen. Nothing found Routine Maintenance  - C/W P&WC SB 14001R18 Turboprop Engine Appr Drained oil, flushed and replenished with new BP2380 e Aeroshell ASTO560, This engine, S/N: RV0009 met the  - C/W P&WC SB No. 14507 Inspection of Interconne found.	Removed, inspected and reinstalled both chip detectors with time. Ops checked good at this time.  Imp Inlet Screen Inspection. While rear chip detector was don screen.  Proved Listing of (Synthetic) Lubrication Oils.  Engine oil per owner's request. For topping off engine use requirements of 3 (b) 1-3, (only traces of carbon found).  Peet Rod. Safety cable installed correctly. No interference Case Corrosion Prevention. Inspected engine compressor.  Applied an approved corrosion inhibitor compound,
				P&WC SIL No PT6A-213	r Guide Pin Bracket assembly. Reversing lever guide pin yond limits. Checked for operation and reinstalled and and safetied ignition leads.

N228CH S/N: 356 A/C TT: 2334.4hr. **Engine Model: PT6A-66D** Engine S/N: RV0009

Gas Generator TT: 2211.8hr. Power Section TT: 2116.8hr. Gas Generator Cycles: 2234 **Power Section Cycles: 2117** 

April 13, 2015 2 of 2

Special Inspection Items

- Daher-Socata Special Check #39 Engine Boroscope Inspection was complied with by Dallas Airmotive, Cert.No.YRR2491L, Gary Plyler, work order no. RPR38746, dated 3/31/2015. See logbook entry for details.

- Complied with Pratt & Whitney Canada Service Bulletin 14496R1, Inspection of Fuel Pump. C/W with SB's instructions 3.A. (1), Argotech fuel pump (59875), P/N: 825601-5, S/N: 3506 installed on this

I certify this Engine has been inspected in accordance with (IAW) a Daher-Socata "C+" Inspection and items specified in P&WC MM 3070902, REV.15.0 January 12, 2015 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service.

David K. Eastwood AP2778982 for Medical Air Inc.

**N228CH** A/C TT: 2385.0hr. **Engine Model: PT6A-66D** Engine S/N: RV0009

May 29, 2015

Gas Generator TT: 2262.4hr. Power Section TT: 2167.4hr. Gas Generator Cycles: 2299 Power Section Cycles: 2182

- C/W Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM 3070902, REV.15. Dated: January 12, 2015, (PWCMM3070902RV15) section 71-00-00, 6A and C. - Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV15) section 73-10-07.

- Performed electrosonic cleaning of P3 air filter inspected and re-installed with new O-rings per (PWCMM3070902RV15) section 73-10-07.

- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy Greene AP3666293 for Medical Air Inc.

N228CH S/N: 356 A/C TT: 2437.4hr. **Engine Model: PT6A-66D** Engine S/N: PCE-RV0009 July 24, 2015

Gas Generator TT: 2314.8hr. Power Section TT: 2219.8hr. Gas Generator Cycles: 2363 Power Section Cycles: 2246

- C/W Daher Special Check 41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.16.0 July 6, 2015, (PWCMM3070902RV16) section 71-00-00, 6A and 6C. - C/W Daher Special Check 46 Inspect, Clean P3 Filter & P3 Filter Drain Valve Housing.

- C/W Daher Special Check 40 inspects, clean valve assembly per (PWCMM3070902RV16) section 73-10-07. - Inspected and cleaned 15 and inspected and re-installed with new O-rings per

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. I certify this Engine has been inspected in accordance with (IAW) items specified in P&WC MM 3070902, REV.16.0, July 6, 2015 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service.

Jeremy A. Greene AP 3666293 for Medical Air Inc.

N228CH S/N: 356 A/C TT: 2528.9 hr.

Engine Model: PT6A-66D Engine S/N: PCE-RV0009 Gas Generator TT: 2406.3hr. Power Section TT: 2311.3hr. Gas Generator Cycles: 2467 **Power Section Cycles: 2350** 

Gas Generator TT: 2406.3hr.

October 15, 2015

- C/W Daher Special Check 41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.16.1 August 13,2015, (PWCMM3070902RV16.1) section 71-00-00, 6A and 6C.

- C/W Daher Special Check 46 Inspect, Clean P3 Filter & P3 Filter Drain Valve Housing.

- Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV16.1) section 73-10-07.

- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV16.1) section 73-10-07.

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV16.1), section 79-20-02.

- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP 3666293 for Medical Air Inc

N228CH S/N: 356 A/C TT: 2528.9 hr. **Engine Model: PT6A-66D** Engine S/N: PCE-RV0009

Power Section TT: 2311.3hr. Gas Generator Cycles: 2467 **Power Section Cycles: 2350** October 15, 2015

I certify the completion of an "A" Engine Inspection in accordance with (IAW) the TBM Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R45 with TR047.05, items specified in P&WC MM 3070902, REV.16.1 August 13,2015, (PWCMM3070902RV16.1) section 72-00-00 #8 Periodic Inspection, Table 601 and is approved for return to service.

David K. Eastwood AP2778982 for Medical Air Inc.

N228CH A/C TT: 2622.8hr. Engine Model: PT6A-66D Engine S/N: RV0009

Gas Generator TT: 2500.2hr. Power Section TT: 2405.2hr. Gas Generator Cycles: 2563 Power Section Cycles: 2446

December 21. 2015

This engine has been inspected in accordance with P&WC MM 3070902, REV.16.1, dated August 13, 2015, (TR72-7 dated December 17, 2015) section 71-00-00 #8 periodic inspection table 601 and is approved for return to

Special Inspection Items

C/W Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with (PWCMM3070902RV16.1 TR 72-7), section 71-00-00, 6A and C. Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV116.1 TR72-7), section 79-20-02.

- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV16.1 TR 72-7), section 73-10-07.

Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per

(PWCMM3070902RV16.1 TR72-7), section 73-10-07. Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP3666293 for Medical Air Inc.

Date

Time since

Time since Total cycles overhaul

Details of task



**Dallas** Airmotive A BBA Aviation company

Stanly County Airport, 40591 Airport Road, New London, NC 28127 CERTIFICATE NO. YRR2491L

VC REGISTRATION;	AIRCRAFT S/N:	HOBBS:
N228CH	356	2334.4

ENG SED MILMBED

Gas Generator TT: 2211.8hr.

Power Section TT: 2116.8hr.

Gas Generator Cycles: 2234

Power Section Cycles: 2117

	ENG MANUFACTURER	Er	NO TITE/MODEL.	LITO OLIV. ITOMODIV.
	PRATT & WHITNEY CANADA		PT6A-66D	PCE-RV0009
	ENG TSN	ENG CSN	ENG TSO	ENG CSO
5	2211.9	2234	N/A	N/A

ENG TYPER (ODE)

PERFORMED BORESCOPE INSPECTION ON ENG S/N PCE-R V0009. CLEANED, FLOWED, PRESSURE AND LEAK CHECKED FUEL NOZZLES. COMPLIED WITH SB 14357R4 AND SB 14495R1. ALL WORK PERFORMED WITH REFERENCE TO PRATT AND WHITNEY CANADA MAINTENANCE MANUAL PN 3070902 REVISION 14 DATED 7-JULY 2014 AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINSTRATOR. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT REPAIR STATION UNDER WORK ORDER NO. RPR38746. ------END---

DATE: 03/31/2015 SIGNATURE: A

Given the nature of bore scope instrumentation it is often not possible to make observations and examine all areas of an individual engine as part of an inspection. Based on this limitation, Dallas Airmotive, Inc. cannot and does not warrant its findings for bore scope inspections (pre-purchase and otherwise) against the possibility that hidden damage may exist that was not observable and reported by our inspector at the time of the inspection.

Pratt & Whitney Engine Services, Inc. 710 Westlake Parkway **Pratt & Whitney** Atlanta, GA. 30336 FAA Certificate Number HN4R238M A United Technologies Company Manufacturer Description Model/Type Pratt & Whitney -Serial Number Power Section Canada PT6A-66D Module, Complete PS-RV0009 Time Since New Cycles Since New Time Since Overhaul Cycles Since Overhaul 2.072.7 2.072 TSN CSN Aircraft Type Aircraft S/N Aircraft Hobbs / TTSN Aircraft TCSN Socata TBM 850 356 2,290.3 ☐ Overhaul 2,101 Repair Installed Customers Repaired Engine, S/N PCE-RV0009 on N228CH, S/N 356 with new packing's, seals, gaskets and hardware as required. Serviced Engine with 8 qts of BP2380 Turbo Oil performed rigging, leak checks and ground performance runs with satisfactory results. A visual inspection was performed of the remainder of the areas accessed with no defects noted at this time. All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 15, dated Jan 12/2015 and Socata TBM 850 Maintenance Manual, P/N Z00.DMAMMPXEE0R44, Revision E0R44, dated Apr 14/2014 and/or applicable Service Bulletins. This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work his engine has been repaired and inspected in accordance with current regulations of the rederal Aviation Administration and with respect to the wi-performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order listed below. S/O No. W/O No. A15062 Date | Feb 07, 2015 File S. Cing So (ATL Form: ATL-3010S Export Classification: 9E991 Revised: May 2013

N228CH S/N: 356 A/C TT: 2334.4hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 April 13, 2015 1 of 2

Special Inspection Items

- C/W Special Check 43 Engine Fuel Manifold Adapters & Nozzles, Inspect/Clean and Test.

Removed all 14 nozzle assemblies and sent to Dallas Airmotive, Inc. for cleaning and testing. Work performed by Dallas Airmotive, Inc. Stanly County Airport, New London, NC FAA YRR2491L under WO #RPR38746/1692264 dated April 1, 2015. Nozzles were cleaned, inspected and tested and reassembled. SB14357R4 and SB14495R1 were also complied with at this time.

Reinstalled all 14 nozzle assemblies using new transfer tube orings P/N: AS3209-09 and new round metal gaskets P/N: MS9371-16 IAW PWC MM part #3070902, Rev 15 dated January 12, 2015. Removal and installation performed per 73-11-05 paragraph 5 A-C. All nozzle assemblies torqued and safetied. Ground ran engine to perform leak check. No leaks detected.

- C/W Special Check #48 Chip Detector Inspection. Removed, inspected and reinstalled both chip detectors with new O-ring, torqued and safetied.

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per PWC MM part #3070902, Rev 15.0, dated January 12, 2015, section 79-20-02.

- Replaced both igniters, P/N: CH34055 due to worn beyond limits. Checked for operation and reinstalled and torqued using new gaskets, P/N: 3010880. Reinstalled and safetied ignition leads.

Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP 122456 for Medical Air Inc.

Maintenance	maintenance e Log révision - St-Huber		Pratt & Whitne Une société de United Technologie	y Canada	Pratt & Whitney Canada Corp. SERVICE CENTER ST-HUBERT
Service centre St-I	revision - St-Huber Hubert 013-09) Page 7			- The state of the	7007 de la savane St-Hubert, Québec, Canada J3Y 3X7
Fabricant - Manufa PRATT & WHI	acturer: TNEY CANADA	Désignation - Des	cription:	Modèle - Model JLE PT6A-66D	No de série - Serial No:
	1595	TSN 2072.7	CSN 2072	SSN N/A	PS- RV0009
ravail effectué - W REP	Vork performed: AIRED	TSO N/A	CSO N/A	SSO	N/A FSO
O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  1: 7.21 (NOT DISMA)	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DATE VERIFIED AND THEFE S.N. PCE-RV0009.  NE AREA: 23.36 CAVI	RE ARE NO APPLICABL	N/A ESSED IN A/W PT6A-66D  E A.D.'S TO THIS
O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA (PORT CONTROL	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  15: 7.21 (NOT DISMA)  CLASSIFICATION:	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DAT EVERIFIED AND THEFE S.N. PCE-RV0009.	TY: 5S1	SSED IN A/W PT6A-66D
O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  15: 7.21 (NOT DISMA)  CLASSIFICATION:	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DATE VERIFIED AND THEFE S.N. PCE-RV0009.  NE AREA: 23.36 CAVI	CAL DATA  Lloyd Moore PWC AMO 29-00	ESSED IN A/W PT6A-66D
O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA  (PORT CONTROL	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  15: 7.21 (NOT DISMA)  CLASSIFICATION:	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DATE VERIFIED AND THEFE S.N. PCE-RV0009.  NE AREA: 23.36 CAVI  CONTAINS NO TECHNI  Vérificateur autorisé	CAL DATA  Lloyd Moore PWC AMO 29-00	ESSED IN A/W PT6A-66D  E A.D.'S TO THIS
O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA  (PORT CONTROL	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  15. 7.21 (NOT DISMA)  CLASSIFICATION:	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DATE VERIFIED AND THEFE S.N. PCE-RV0009.  NE AREA: 23.36 CAVI  CONTAINS NO TECHNI  Vérificateur autorisé	CAL DATA  Lloyd Moore PWC AMO 29-00	ESSED IN A/W PT6A-66D  E A.D.'S TO THIS
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O. G-PT6ALL REV LL CANADIAN A.D ODULE ATED, TESTED AI EST RUN PERFOR C.T. VANE AREA (PORT CONTROL	7.2.0.  9.S AND AMERICAN  ND SHIPPED WITH  RMED AND FOUND  15. 7.21 (NOT DISMA)  CLASSIFICATION:	BEEN INSPECTED NANCE MANUAL RI (F.A.A) A.D.'S WER GAS GEN MODULE SATISFACTORY. NTLED) P.T. VA	REPAIRED, MODIFIED EV.15, APPROVED DATE VERIFIED AND THEFE S.N. PCE-RV0009.  NE AREA: 23.36 CAVI  CONTAINS NO TECHNI  Vérificateur autorisé	CAL DATA  Lloyd Moore PWC AMO 29-00	ESSED IN A/W PT6A-66D  E A.D.'S TO THIS

	new	Time since overhaul	Total cycles		Details of task
egistre de mainte aintenance Log ntre de service révision rvice centre St-Nubert WC 11501 (2013-09)	- St-Hubert	Prat Une socié	<b>t &amp; Whitney C</b> té de United Technologies/AU	anada nited Technologies Company	Pratt & Whitney Canada Corp. SERVICE CENTER ST-HUBERT 7007 de la savane St-Hubert, Québec, Canada J3Y 3X7
bricant - Manufacturer: PRATT & WHITNEY CA	ANADA TUF		n: R SECTION MODULE	Modèle - Model PT6A-66D	No de série - Serial No: PS- RV0009
on de vente - Sale order: 184595 avail effectué - Work perf	TSN2	Q12.7	2072	SSN N/A	FSN N/A
REPAIRED	omica. 130	N/A RO	CSO N/A	SSO N/A	FSO N/A
ORT CONTROL CLASSI	FIGATION THE				
	FICATION : THIS D	OCUMENT CONTA	AINS NO TECHNICAL	Lloyd Moore	(Sexes
12 Jan 2015 Date (YY-MM-DD)			moon	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	AINS NO TECHNICAL  Tificateur autorisé horized Inspector	PWC AMO 20-00	AI
12 Jan 2015		Vér	moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	Moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	Moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	Moon ificateur autorisé	PWC AMO 20-00	AI 63
12 Jan 2015		Vér	Moon ificateur autorisé	PWC AMO 20-00	A1 63

Date:

Engine Model: PT6A-66D A/C Reg #: N228CH Engine Serial #: RV0009 Work Order #: STP51432 Engine TSN/TSO: -2,086.407 1991.44-A/C Ser #: Engine CSN/CSO: 2,103/ 1986 356 A/C Time: 2,086.40 Engine Position: Single Engine Log Book:

Power Section

http://www.atlantic-aero.com

A CHEENWICH AEHOGROUP COMPANY P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434

Routine Maintenance

77-00-00

Complied with trim thermocouple determination check in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapter 77-20-01. Normalized temperature trim value determined to be 8.7 degrees, which is 0.5 degrees off of the 8.2 value on the data plate. Performed calibration check of torque transducer in accordance with Socata TBM850 aircraft maintenance manual chapter 77-14-00. Indication of torque was noted at 100% with 60 psi applied which is correct per maintenance manual.

8/25/2014

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are

or Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

A/C TT: 2079.1hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

August 14, 2014

Gas Generator TT: 2079.1hr. Power Section TT: 1984.1hr.

Gas Generator Cycles: 2094

Power Section Cycles: 1977

 Complied with a Compressor performance recovery wash IAW P&WC MM 3070902, Rev. 14.0 dated July 7, 2014 per 77-00-00 Engine cleaning, section 5 internal cleaning. Performed an engine ground run to dry out the engine and check for leaks. No leaks noted and aircraft approved for

Jeremy A. Greene AP3666293 for Medical Air Inc.

N228CH

A/C TT: 2137.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009 September 30, 2014

Gas Generator TT: 2137.5hr. Power Section TT: 2042.5hr. Gas Generator Cycles: 2146

Power Section Cycles: 2029

I certify the completion of the A Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: Z00.DMAMMPXEE0R44, items specified in P&WC MM 3070902, Rev. 44, dated: 07 July 2014, section 72-00-00 #8 Periodic Inspection, Table 601 and is approved for return to service.

- C/W Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM 3070902, REV.14, July 7, 2014, (PWCMM3070902RV14) section 71-00-00, 6A and C.

3070902, KEV.14, July 7, 2017, 1. Colonia State Pump Filters. Replaced fuel pump discharge filter, P/N: 572744. Inspected and cleaned inlet screen filter. Installed both filters with new o-rings. Work performed IAW

#### Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per
- (PWCMM3070902RV14) section 77-20-02.

  Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV14) section 73-10-07. - Inspected and cleaned 1.5 an intermediate inspected and re-installed with new O-rings per
- Removed engine bleed valve assembly, P/N: 3059835-01, S/N: AHX004466. Installed new bleed valve, P/N: 3059835-01, S/N: AHX1000616, and valve seat, P/N: 3041166CL16, S/N: N/A, IAW
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time

David K. Eastwood AP2778982 for Medical Air Inc

N228CH

A/C TT: 2143.6hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

10-6-2014

Gas Generator TT: 2143.6hr. Power Section TT: 2048.6hr. Gas Generator Cycles: 2153 Power Section Cycles: 2036

Removed engine bleed valve assembly, P/N: 3059835-01, S/N: 1000616 and installed original bleed valve P/N: 3059835-01, S/N: AHX004466 using same valve seat IAW (PWCMM307090RV14) Section 75-30-00, #5.

Ground ran engine, ops check normal, no leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.

Pratt & Whitney Engine Services, Inc. 710 Westlake Parkway Atlanta, GA. 30336 FAA Certificate Number HN4R238M



Manufacturer Pratt & Whitney - Canada	Description Power Section Module, Complete	Model/Type PT6A-66D	Serial Number PS-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
2,072.7	2,072	TSN	CSN
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	Aircraft TCSN
Socata TBM 850	356	2,167.7	1.984

Customer requested MRT Support to perform an engine change due to a reported high ITT, Removed Engine S/N PCE-RV0009 from N228CH and Installed Rental Engine S/N PCE-RV0234. Forwarded Engine S/N PCE-RV0009 to P&WC for further inspection and repair as required by the overhaul shop as requested by engineering.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 14, dated Jul 07/2014 and Socata TBM 850 Maintenance Manual, P/N DMAMMPXE, Revision E0R44, dated Apr 14/2014 and/or applicable Service Bulletins.

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order listed below.

12.00					a are on the at this agency under the work order tisted below.
S/O No.	184391				
W/O No.	A14496	Date	Nov 06, 2014	Approved Inspector:	feli Sariy & T

Form: ATL-3010S Export Classification: 9E991

Revised: May 2013

David K. Eastwood AP2778982 for Medical Air Inc.

PT6A-66D Engine Model: A/C Reg #: N228CH Engine Serial #: RV0009 Work Order #: STP50217 Engine TSN/TSO: 4,953.90+ 1,858.9 A/C Ser #: 356 Engine CSN/CSO: 1,958/ 1841 A/C Time: 1,953.90 P.O. Box 35408 Greensboro, NC 27425 Engine Position: Tel 800-334-2001 Fax 336-668-4434 Log Book: Engine Power Section http://www.atlantic-acro.com 3/21/2014 Special Inspection Items Complied with P3 Filter Cleaning in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter Complied with Cleaning & Inspection of P-3 Filter Drain Valve Housing in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter 72-00-00. Complied with Special Check 38 Engine Borescope in accordance with Socata TBM850 aircraft maintenance manual Special Check 38 chapter 05-20-05. Complied with Special Check 40- Engine Compressor & Turbine Wash in accordance with Socata TBM850 aircraft Special Check 40 maintenacne manual chapter 05-20-05. Complied with Special Check 42 - Fuel Manifold Adapters & Nozzles Leak Test in accordance with Socata TBM850 Special Check 42 aircraft maintenance manual chapter 05-20-05. Removed fuel nozzles and sent out for flow check and inspection. Reinstalled fuel nozzles after flow check and inspection. Inspection and flow check complied with by CRS# H1IR069Y, under work order PO-1401268. Reference 8130 dated 11/March/2014. All work performed with reference to Pratt & Whitney maintenance manual 73-11-05. Complied with Special Check 46 by replacing engine oil filter with new oil filter P/N: 3059258-01. Work performed in Special Check 46 accordance with Pratt & Whitney maintenance manual 79-20-02, Complied with Special Check 48 by inspecting the AGB internal scavenge pump inlet screen in accordance with Pratt & Special Check 48 Whitney maintenance manual 72-10-00. No defects noted at this time, Log Entry I of 2 Routine Maintenance Complied with oil analysis. Took sample of engine oil to send out for spectrometric oil analysis in accordance with 79-00-00 The items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: STP50217 for Atlantic Aero, Inc. CRS#: EWGR752D N228CH Gas Generator TT: 2049.4hr. A/C TT: 2049.4hr. Power Section TT: 1954.4hr. Engine Model: PT6A-66D Gas Generator Cycles: 2059 Engine S/N: RV0009 Power Section Cycles: 1942 July 16.2014 This engine has been inspected in accordance with a Medical Air Inc. Interim 100hr. Inspection. - Complied with (C/W) P&WC SB No. 14293R1, Replacement of Exhaust Duct Drain tube Nipple and Cap Assembly per Service Bulletin. Reference Socata SB 70-213 Engine Drainage System. Special Inspection Items - C/W Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM 3070902, REV.14, July 7, 20014, (PWCMM3070902RV14) section 71-00-00, 6A and C. Routine Maintenance - Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per - Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV14) section 73-10-07. - Cleaned P3 air filter housing cream 73-10-- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per - Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Engine Model:

A/C Reg #:

N228CH Work Order #: STP51237

7/31/2014

A/C Ser #

Date:

356 A/C Time : 2,067.80

P.O. Box 35408 Greensboro, NC 27425

ATL 3010S-A

Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com

**Engine Inspection Items** 

Front

Engine Serial #: RV0009

Engine TSN/TSO: 2,067.80/

Engine CSN/CSO: 2,083/

05-00-00

Engine Position:

Log Book:

Inspected chip detectors and found small metal particle present on RGB chip detector causing annunciation in cockpit. Sent oil sample from both accessory gearbox and reduction gearbox to Aviation Laboratories for oil analysis testing. Performed oil system flushing procedure. Removed, inspected and reinstalled oil filter with no defects noted. Work performed in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapters 70-00-00 and 72-00-00. Tursine OL: 60 2380 NE

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are Agrails of these repairs are on file at this repair station under Work Order Number: STP51237

for Atlantic Aero, Inc. CRS#: EWGR752D



Pratt & Whitney Engine Services, Inc.

710 Westlake Parkway Atlanta, GA 30336-2920 FAA CRS # HN4R238M

HOUR METER: ACFT, TTSN: ACFT. TYPE ACFT. S/N: N/A N/A ACFT, TCSN: **TBM 850** N/A N228CH ENG TTSN ENG MODEL ENG SN# 2.068.2 2.084 ENG. CSO ENG. TSO N/A PT6A-66D PCE-RV0009

Engine Assy: Technicians reported an ITT Shift over time since the last HSI Performed 394.7 hrs. prior and requested MRT Support to troubleshoot. Performed a Borescope inspection of the Hot Section Components and 1st Stage Compressor, noted minor nicks on the 1st Stage Compressor at this time, minor nicks appear to be within Maintenance Manual Limits at this time, no defects noted on the Hot Section Components outside Maintenance Manual Limits at this time Performed Capped and uncapped ground runs and found that the environmental system appears to be stuck in the High Bleed Position when turned on. Based on troubleshooting findings made recommendation to customer to troubleshoot Airframe ECS System. All Work Performed I/A/W P&WC Maintenance Manual P/N 3070902 REV. # 14, Dated Jul 07/2014. A Visual Inspection of the remainder of the engine was performed of the areas accessed with no defects noted at this time

The above components have been checked for outstanding AD's & SB's. Gas Generator TTSN: 2,068.2 TCSN: 2,084, Power Section TTSN: 1,973.2 TCSN: 1,967

Export Classification 94941.c. Badge EPW42172 Date: 8/5/14

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under Sales Order 183218\_RV0009

5-Aug-2014

Approved Inspector Fel. & Ching &

Felix Hintz

Pratt & Whitney Engine Services, Inc. 710 Westlake Parkway Atlanta, GA. 30336 FAA Certificate Number HN4R238M



Manufacturer PRATT & WHITNEY - CANADA	Description POWER SECTION MODULE ASSY.	Model/Type PT6A-66D	Serial Number PS-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
1,673.5	1,631	N/A	N/A
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	Aircraft TCSN
SOCATA TBM 850	356	1,768.5	1748-154

PERFORMED GROUND PERFORMANCE RUN WITH SATISFACTORY RESULTS. CUSTOMER REMOVED ENGINE COWLING AS NECESSARY, REMOVED PROPELLER, AIRFRAME ITEMS AS NECESSARY, AND RENTAL POWER SECTION MODULE. REMOVED CUSTOMER P.T. STATOR ASSY. P/N 3040972CL01, S/N CYHRD01 FROM RENTAL POWER SECTION MODULE S/N PS-RV0001, AND INSTALLED INTO CUSTOMER'S REPAIRED POWER SECTION MODULE S/N PS-RV0009 WITH NEW P.T. STATOR RETAINING RING. INSTALLED RENTAL POWER SECTION INTO SKID FOR SHIPMENT, COMPLETED REQUIRED P&WC PAPERWORK AND LOG ENTRIES, WITH CUSTOMER TO ARRANGE SHIPMENT OF POWER SECTION THROUGH P&WC LEASING. INSTALLED POWER SECTION MODULE WITH REQUIRED CONSUMABLES, PROPELLER, AND AIRFRAME ITEMS PREVIOUSLY REMOVED. PERFORMED LEAK CHECK AND GROUND PERFORMANCE RUN WITH SATISFACTORY RESULTS. ALL WORK PERFORMED I/A/W P&WC MAINTENANCE MANUAL P/N 3070902, REV.# 12, DATED DEC 7 2012, AND SOCATA TBM 850 MAINTENANCE MANUAL ZOO.DMAMMPXEE0R41. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE IN RESPECT TO THE WORK PERFORMED.

RENTAL POWER SECTION S/N PS-RV0001, TSN: 272.5 (95.0 HRS. USED), CSN: 290 (117 CYCLES USED)

CUSTOMER REPAIRED POWER SECTION S/N PS-RV0009, TSN: 1,673.5 CSN: 1.631

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work as engine has been repaired that hispectory and with respect to the performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order listed below

S/O No.	179642				
W/O No.	A13464	Date	SEP 27 2013	Approved Inspector:	Gregory A. Phillips

Form: ATL-3010S

Export Control Classification: 9E991

Revised: Mar 2009

N228CH

A/C TT: 1768.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

UNC Medical Air Inc.

Gas Generator TT: 1768.5hr. Power Section TT: 1673.5hr.

Gas Generator Cycles: 1748 Power Section Cycles: 1631

October 02,2013

October U2,2013

I certify the completion of the 100 hour Engine Inspection in accordance with (IAW) the TBM 700 Maintenance

I certify the completion of the 100 hour Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: ZOO.DMAMMPXEEOR41, items specified in P&WC MM 3070902, REV.12 

NOTE: See Pratt & Whitney Canada logbook entries for compliance with PWC SB14398 First Stage Gears

Special Inspection Items

Special Inspection Items

- C/W Special Check #46 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM

- C/W Special Check #46 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM

Routine Maintenance

Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings. Removed, electrosonic cleaned, inspected and re-installed oil filter screen with new O-rings.

David K. Eastwood AP2778982 for Medical Air Inc.



Engine Model: PT6A-66D

Engine Serial #: RV0009

Engine TSN/TSO: 1.872.607 1777.6 h. 71

Engine CSN/CSO: 1.881/ Engine Position

Engine Power

N228CH A/C Reg #: STP49828 Work Order #

Date:

A/C Ser #: 356

A/C Time: 1.872.60

P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com

**Engine Inspection Items** 

05-00-00

I certify this ENGINE has been inspected in accordance with an 100 Hour inspection and is approved for return to service.

12/23/2013

AD notes checked through Bi-Weekly 2013-25.

for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model:

RV0009 Engine Serial #:

Engine TSN/TSO: +,872.60+ 1777. Le Ti Engine CSN/CSO: 1,8817 / 764

**Engine Position** Engine Power Log Book

A/C Time: 1,872.60

A/C Reg #:

A/C Ser #:

Date

Work Order #:

12/23/2013

356

N228CH

STP49828

P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434

http://www.atlantic-aero.com

Special Inspection Items

Cleaned P3 Filter in accordance with Pratt & Whitney PT6-66D maintenance manual chapter 72-00-00 Pg 610.

Cleaned and inspected P3 Filter Drain Valve Housing in accordance with Pratt & Whitney PT6-66D maintenance manual chapter 72-00-00 Pg 610.

Special Check 46

Complied with Special Check 46 - Compressor Performance Recovery Wash in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter 71-00-00.

Routine Maintenance

79-00-00

Complied with oil analysis sample by using kit, P/N GA001. Oil sample taken from oil filter housing. Work performed in accordance with industry standard practices.

The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are are on file at this repair station under Work Order Number: STP49828

for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

STP50217

3/21/2014

Engine Model:

Engine Position

Log Book:

PT6A-66D Engine Serial #:

Engine CSN/CSO: -1,958/- 1841

RV0009 Engine TSN/TSO: -1,953.907 1,858,9

Engine PSING- Section

A/C Reg # : Work Order # A/C Ser #:

356 1,953.90 A/C Time:

Date:

P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com

**Engine Inspection Items** 

05-00-00

I certify this ENGINE has been inspected in accordance with an ANNUAL / B+ inspection and is approved for return to

AD notes checked through Bi-Weekly 2014-05.

for Atlantic Aero, Inc. CRS#: EWGR752D

	Time sind new	Time since overhaul	Total cycles		Details of task	
Registre de Maintenanc Centre de révision Service Centre St P&WC 6481 (2004-05) Fabricant - Manuf PRATT AND W	e Log n – Saint-Huber -Hubert acturer:	Une secrete		nada ed Technelegies Company  Modèle - Model: PT6A-66D	Pratt & Whitney Canada Cie. Pratt & Whitney Canada Cor. 7007, chemin de la Savane St. Hubert, Québec Canada J3Y 3X7  N° de série - Serial No.:	). 
CANADA		SECTION MODU	LE	1 10A-00D	PS-RV0009	1
Bon de vente - Sa 178977	les Order:	TSN 1673.5	1631	SSN N/A	FSN	Ť
Travail effectué - W REPAIRED		N/A	cso N/A	sso N/A	N/A FSO N/A	
SPECIFICATION G 1) ALL CANADIAN A.D.'S ON THIS 2) MATED, TESTE	G-PT6ALL REV.1 A.D.'S AND AI MODULE. D WITH SLAVE	HAS BEEN INSPECTE JAL REV. 9, MAINTENA 1.5. MERICAN F.A.A. A.D.'S E GAS GEN MODULE, S FOUND SATISFACTOR	WERE VERIFIED A	.ND THERE ARE NO	APPLICABLE	
	AUG 2 3					



Nanufacturer SOCATA	Description POWER SECTION MODULE	Model/Type PT6A-66D	Serial Number
Time Since New	Cycles Since New	Time Since Overhaul	Cles Since Overhaul
1673.5	1587	N/A	N/A
Aircraft Type	Arcraft S/N	Aircraft Hobbs / TISN	Aircraft TCSN
TBM700  Overhaul ⊠ Renai	356	1675.5	1382

REMOVED POWER SECTION MODULE S/N: RV0000 FROM GAS GENERATOR MODULE S/N: RV0009 TO COMPLY C/W P&WC SB 14398R3. SB 14398R3 WILL BE PERFORMED BY P&WC. ALL WORK PERFORMED I/A/W P&WC MAINTENANCE MANUAL P/N 3070902 REV. #12, DATED DEC 07 2012

This engine has been repaired and inspected in accordance with current regulations of the Federal Association Administration and with respect to the work performed is approved for return to service. Pertinent details of the work performed are on file at this seems under the work order listed below.

NO No. 1785/15

W/O No. A13320 Date JUL 03 2013 Approved Inspector:

Pratt & Whitney Engine Services, Inc. 710 Westlake Parkway Atlanta, GA. 30336 FAA Certificate Number HN4R238M

orm: ATL-3010S



Revised: Mar 200

Manufacturer SOCATA	Description POWER SECTION MODULE	Model/Type PT6A-66D	Serial Number RV0009
Time Since New	Cycles Since New	Time Since Overhaul	
1673.5	1631	N/A	Cycles Since Overhau
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	N/A
TBM850	356		Aircraft TCSN
Overhaul Repa	air	1673.5	1426

REMOVED POWER SECTION MODULE S/N: RV0009 FROM GAS GENERATOR MODULE S/N: RV0009 TO COMPLY WITH P&WC SB 149398R3. SB 14398R3 WILL BE PERFORMED BY P&WC. ALL WORK PERFORMED I/A/W P&WC MAINTENANCE MANUAL P/N 3070902 REV. #12, DATED DEC 07 2012

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order listed below.

S/O No. 178575

W/O No. 13320 Date JUL 03 2013

Approved Inspector: Michal Harris



N228CH S/N: 356 1/14/2013	Medical Air Op	Derations  A/C TT: 1464.4  Prince U Hobbs 1464.4  Engine Cycles: 1384	_ Engine Model :	PT6A-66D	A/C Reg # .	N228CH	Signature	AME ACA/AN SCA/AN
Removed Ignition Exciter, P/P/N: 10-381550-4, S/N: NNA	/N: 10-381550-4, S/N: NNA0:	5152905. Installed Ignition Exciter, rust-Tech Aviation, Inc. FAA Cert.: OTBR527K,	Engine Serial # : Engine TSN/TSO Engine CSN/CSC Engine Position :	): 1,475/	Work Order # . A/C Ser # : A/C Time :	STP47592 356 1,535.20	P O. Box 35408 Greenst	
Section 74-10-00, para, #5 d	gust 23, 2012. Work performed lated February 2012.	rust-Tech Aviation, Inc. FAA Cert.: OTBR527K, I IAW PWC Maint. Manual, P/N: 3070902, Rev. 11,	Log Book :	Engine	Date :	3/11/2013	Tel 800-334-2001 Fax 3 http://www.atlantic-aero.c	
Dan K. East			Special Inspe	ection Items				
David K. Eastwood AP277	8982 for Medical Air Inc.		05-20-05	Complied with	Special Check 44 - Engine Bonce Manual 72-00-00. No def	prescope Inspection in a	accordance with Pratt & Whitney Pl	Г6А-66D
ľ	T	e p	71-00-00-701	Complied with with Pratt	Special Check 46 - Engine co & Whitney PT6A-64 Mainte	ng assor ash. No def	fects noted at this time. Work performage.	med in accordance
Engine Model: PT6A-66D Engine Serial #: RV0009 Engine TSN/TSO: 1,535.20 /		228CH CP47592 6 AtlanticAero	72-00-00	nozzles ar by CRS#	nd flow divider and sent for in	spection/repair. Fuel n 8 dated March/06/201	es Leak Test Due @ 1558.7 Hrs. Renozzles and flow divider cleaned insp. 3. Installed inspected and repaired no 3070902, 73-11-05.	pected and repaired
Engine CSN/CSO: 1,475 / Engine Position: N/A	A/C Time: 1,	P.O. Box 35408 Greensboro NC 27425	72-00-00		Special Check 49 - Inspection		ereen in accordance with Socata TBI	M850 maintenance
Log Book : Engine  Special Inspection Items	Date: 3/1	Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com	72-00-00		Special Check 50 - Inspection	of Fuel Pump Outlet	Filter in accordance with Socata TB	M850 maintenance
Signed: A- Oliv		ic Aero, Inc. CRS#: EWGR752D			L	og Entry 1 of 1		1
Engine Model : PT6A-66D Engine Serial # : RV0009	A/C Reg # : N2: Work Order # : STI	28CH			J. J. v.	2 July 2 2		
Engine TSN/TSO: 1,535.20 / Engine CSN/CSO: 1,475 / Engine Position: N/A	A/C Ser # : 356	Atlantic Aero	N228CH Engine	Model: PT6A-6	Medical Air C	Operations	A/C TT: 16 Engine TT: 16	
Log Book : Engine	Dut	Tel 800-334-2001	Engine 9 5/17/201	S/N: RV0009	AHEC			
Special Inspection Items  05-20-02   Certify this El following the program  Signed:	NGINE has been inspected in accordage inspection 100 Hour Inspection was am listed herein and the aircraft is app	http://www.atlantic-aero.com  nce with a continuous inspection program per FAR 91.409 (f)3. The accomplished in accordance with the inspection and procedures for exercise.  E Aero, Inc. CRS#: EWGR752D	I certify the Manual, P/N Special Instance - C/W Spec 24 FEB 201 Routine Ma - Removed - Performed - Removed, - Checked F	completion of the IO I: ZOO.DMAMMPA Dection Items ial Check #46 Engin I.2, section 71-00-00, nintenance left and right ignitor delectrosonic cleaning electrosonic cleaned RGB chip detector for	EEOR41 and is approve Compressor & Turbin A and C.  plugs and installed newng of P3 air filter, inspect, inspected and re-instant continuity with ohmme	ed for return to sente Wash in accordate ignitors, P/N: CH eted and re-installed oil filter scree	ance with P&WC MM 30709  134055, torqued and safetied with new O-rings.	intenance
			oremy A. A	AP3666293	B For Medical Air		2	Ť

AME ACA/AMO SCA/AMO

Engine Model: PT6A-66D Engine Serial #: RV0009 Engine TSN/TSO: 1,260.00 / Engine CSN/CSO: 1,148 / Engine Position: N/A Log Book: Engine	A/C Reg # : N228CH Work Order # : STP45761 A/C Ser # : 356 A/C Time : 1,260.00	P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com	N228CH Medical Air Operations Engine Model: PT6A-66D Engine S/N: RV0009 9/14/2012	A/C TT: 1351.3 Engine T; 137.3 h. D/E Engine Cycles: 1252
Routine Maintenance  05-12-00	for Atlantic Aero, Inc. CRS#  I I  A/C Reg # . N228CH Work Order # : STP45761 A/C Ser # : 356 A/C Time : 1,260.00  Date : 6/21/2012	FEWGR752D  ATLANTIC AERO Greensboro, North Carolina P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com	l certify the completion of the 100 hour Engine Inspection in accordance w Manual, P/N: ZOO.DMAMMPXEEOR40 and is approved for return to ser Airworthiness Directives  -C/W AD 2012-09-10 PT6A-66, Sun gear replacement. N/A by model in Special Inspection Items  - C/W Special Check #46 Engine Compressor & Turbine Wash in accordance 24 FEB 2012, section 71-00-00, A and C.  Routine Maintenance  - Removed left and right exciters and installed new exciter, P/N: CH34055  - Performed ultrasonic cleaning of P3 air filter, inspected and re-installed of the Removed, electrosonic cleaned, inspected and re-installed oil filter screen.  - Checked both chip detectors for continuity with ohmmeter.  David K. Eastwood AP2778982 for Medical Air Inc.	wice.  umber.  nce with P&WC MM 3070902,  i, torqued and safetied.  with new O-rings.
SC-46 Complied with Special C maintenance manua	heck 46 - Engine compressor and turbine wa al 71-00-00.	nce with current Federal Aviation Regulations and the repairs are	N228CH Medical Air Operations Engine Model: PT6A-66D Engine S/N: RV0009 01/10/2013	A/C TT: 1459.2  Engine Tl: 1459.2  Engine Cycles: 1376
S/N: 356 2 Aug. 2012	dical Air Operations  AHEC  50-4E, S/N: NNA05454981. Installed Manual P/N: 3070902, Rev. 11, 24 F  1. 22, 2011. W.O. WOO56354. Ground	Hobbs: 1310.2 Acft TT: 1310.2 Cycles: 1206  Ed Exciter P/N: 10-381550-4, EB 2012 Exciter overhauled by Thrust- and Ops check-o.k.	I certify the completion of the 300 hour Engine Inspection in accordance w Manual, P/N: ZOO.DMAMMPXEEOR40 and is approved for return to ser Special Inspection Items  - C/W Special Check #46 Engine Compressor & Turbine Wash. C/W 24 FEB 2012, section 71-00-00, para. A and C.  - C/W Special Check #51 P3 Filter Clean with Ultrasonic Cleaner. C/24 FEB 2012, section 73-10-07, section 5. Ultrasonic cleaned P3 air filter, with new O-rings.  - C/W Special Check #53 Inspect Engine Chip Detector. C/W IAW P8 24 FEB 2012, section 79-20-02, para. D. No defects noted at this time.  Routine Maintenance  - Removed, inspected, electrosonic cleaned, and re-installed oil filter screen Check K. Eastwood AP2778982 for Medical Air Inc.	IAW P&WC MM 3070902, W IAW P&WC MM 3070902, inspected and re-installed
			Customer File Stub  Unit/Vehicle ID No. N236H  Serial No. 356  Date Mailed / 12/213 / 15926102	WearCheck sample kits will be replaced with unused kits if defer in manufacture. labeling, or packaging, or if lost by us or any associate company even though by negligence or other fault.  WearCheck shall not be liable or responsible for the future performance or failure of any engine, piece of equipment or male involved in any test or sample. The Company makes no warrant representations, or guaranties with respect to the performance of such engine, piece of equipment, or material.

	Time since new	Time since overhaul	Total cycles	Details of task	
Complied replaced H E4N-3/E90 inspection. Removed a with new. normal and THE AIRC REPAIREI APPROVE FILE AT T	TBM 850 S/N: O S/N: PCE-RV 3/E9083SK S/N with a 100 hour inspartzell propeller mo 183SK s/n HH-4419 Inspected first stag and replaced outlet it AD 2008-13-28 Pro no leaks noted. RAFT, ENGINE, IT O AND INSPECTE D FOR RETURN HIS REPAIR STATE BINS for: E AIR CENTER BR462J	oction on this enginedel HC-E4N-3/E90 by Hartzell W.O. # ge compressor blade of the with new. Remopeller Hub DNA by PROPELLER, AND	M408210. Performs. Inspected oil fill oved and replaced propeller model.  APPLIANCES DIREGULATIONS	TT: 1102.0 Hrs CYCLES: 784 TT: 1102.0 TT: 0.0  W FAR 43 appendix D. Removed and with new Hartzell propeller model HC-med Pratt & Whitney periodic ter. Inspected fuel control inlet filter. propeller de-ice brush block assembly Engine run up performed with systems ESCRIBED ABOVE WERE OF THE F.A.A. AND ARE S OF WORK PERFORMED ARE ON 7.	
RICE LAK CRS # RL8 CAMERO	, , , , , , , , , , , , , , , , , , , ,				
gine Model PTG gine Serial # ; PCI gine TSN/TSO : 1,1 gine CSN/CSO : 1,0 gine Position ; Sin	6A-66D E-RV0009	A/C Reg # : Work Order # : A/C Ser # : A/C Time :	356 1,158.70	Greensboro, North Care P.O. Box 35408 Greensboro, NC 2742 Tel 800-334-2001 Fen 334	
gine Model PTG gine Serial # ; PCI gine TSN/TSO : 1,1 gine CSN/CSO : 1,0 gine Position ; Sin	6A-66D E-RV0009 58.30 / 09 / gle Engine gine	Work Order # : A/C Ser # : A/C Time :	STP44796 356 1,158.70 3/22/2012	Greensboro, North Care P.O. Box 35408 Greensboro, NC 2742 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com	5

A/C Reg# N257JM Engine Model P16A-66D PCT-RV0009 STP44796 Work Order # Engine Serial # 356 Engine TSN/TSO 1.158.30 A/C Ser # Figine CSN/CSO A/C Time 1,158.70 Engine Position Single Engine

Greensboro, North Carolina

P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com

#### Special Inspection Items

Log Book

Complied with Socata TBM 850 special check 48, fuel nozzle and adapter inspection and check. Removed fuel nozzle assemblies and reinstalled fuel nozzles after repair and inspection. Inspection and repair performed by CRS H1R069Y under work order PO-1200780 on February 17, 2012. Removal and replacement of fuel nozzles accomplished in accordance with Pratt and Whitney PT6A-66D maintenance manual 73-11-05.

3/22/2012

Special check 44 complied with by Dallas Airmotive under work order FS25763 on 2/16/2012. No defects were noted at this time

Complied with Socata special check 46. Performed engine performance recovery wash in accordance with Pratt and Whitney Canada PT6A-66D maintenance manual 71-00-00.

Complied with Socata TBM 850 special check 49, fuel pump inlet screen inspection. No defects noted.

Complied with Socata TBM 850 special check 50, fuel pump outlet filter replacement.

Date

The Items identified above and or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return-to-service. Pertinent details of these repairs are on file or this repair station under Work Order Number. STP44796

gned A T

for Atlantic Aero, Inc. CRS#. EWGR752D

Log Entry 1 of 1

Reg #: N257JM Model: SocataTBM850

Serial #: 356 Work Order: STP44796 ATLANTIC AERO
Greensboro, North Carolina

PO Box 35408 Greensboro, NC 27425

Total Time: 1158.7 Landings: 804 Date: 3/22/12

Tach/Hobbs:

Engine Model PT6A-66D Serial Number PCE-RV0009 Eng. Time 1158.3 Eng. Cycles 1009

Removed fuel pump p/n 825600-5, s/n 007550. Removed fuel control unit p/n 3120023-06, s/n 14439744. Installed overhauled pump p/n 825601-5, s/n 3506. Fuel pump overhauled by CRS LR3R667L under work order R01106 on November 3, 2011. Installed same fuel control unit as removed. Replacement of fuel pump and fuel control performed in accordance with Pratt and Whitney Canada PT6A-66D maintenance manual 73-10-02 and 73-20-00.

Groove evaluated by Pratt and Whitney via electronic communication and digital photos on February 8, 2012.

Determination was made that no field repair is required at this time, only to treat the affected area to prevent corrosion.

Performed corrosion repair of affected areas of fuel pump drive pad in accordance with Pratt and Whitney Canada PT6A
66D maintenance manual 73, 60-00

Replaced bent stud on fuel pump drive pad with new stud p/n AN126018 in accordance with Pratt and Whitney Canada PT6A-66D maintenance manual 70-00-00.

The items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: STP44796

Signed: Holling

for Atlantic Aero, Inc. CRS#: EWGR752D

	new	overhaul	Total cycles	Details of task		AIR R Mod S
Teton Av	riation Center	Teton Avia 675 Airpo Driggs, ID 208-354-3	83422	Date: 9/8/2010 HOBBS Fach Time: 899.7 Total Time: 899.7		Serviced The aircr the Feder Signed:
			ip, ops check good.			
I certify that return to se	it the repair Inspectivice.	ctions identified a	boye were performed	in accordance with FARs and is approved f	for	Th 205 AIRF Wor Tack
205 Durley A	W AVEX, Inc Avenue, Suite A, Car		.S. X1IR595Y (805) 389-1188 FAX (8	05) 389-3323		1.
ENGINE Work Order: Tach:	: 8718 Hobbs: 99	TTSN: 95.1 TCSN:	S/N TSO:	N257JM Date: 1/31/2011 CSO:		This the c work Orde
blade h	has a dent, Root radiu 66D MM Chapter 72.	is have FOD marks	ne first stage compressor compressor blades have and must be blended I.A	minor marks and one .W. Pratt and Whitney		
3. Boreso	coped the engine first -66D MM Chapter 72.	Stage compressor	W. Pratt and Whitney PT plades post maintenance between post blending ar	6A-66D MM Chapter 72. I.A.W. Pratt and Whitney Indicate the post maintenance		(LBII
This aircraft	, airframe, aircraft eng	gine, propeller or ap plations and has bee s of the repair/inspe	pliance was repaired/inspen found to be in an airwo ction are on file at this Re	pected in accordance with orthy condition for scope of epair Station under Work		
			Byran D. S	my- 1/31/11-		
	1		For: FAA Approved Rep	Date pair Station # X1IR595Y		
(LBID:7594)			Date - 2-21-	11 A/C Reg N257JM		_
Jackson Hol	29 Jackson, WY	83001	Hobbs - 1023.	3 A/C Reg N257JM		
Jackson Hol P.O. Box 382 (307) 733-47 Performed in P&W MM# "The Aircraf	29 Jackson, WY 9 767 hspection of RGB c 72-00-00. No debi ft, Airframe, Engine	chip detector, RG ris found during i	Hobbs - 1023.  B oil screen and main on spections. Engine ok	3		

N257JM ГВМ 700

MS-11-01136



Date: 18 February 2011

Hobbs: 1018.8

N257JM

ygen system to full

rame, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of tion Administration and is approved for return to service. Pertinent details are on file under the above work order.

CRS #M9TR576Y

525 Turbine Ave, Chesterfield, MO (636)532-6155

## ew AVEX, Inc.

C.R.S. X1IR595Y

Avenue, Suite A. Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 S/N: 356

Socata TBM 700 er: 8718

Hobbs: 995.1

Date: 1/31/2011 TTSN: TLSN:

oved and replaced the left landing light lamp with new I.A.W. Socata MM Chapter 33. Op ks good.

, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with Federal Aviation Regulations and has been found to be in an airworthy condition for scope of rmed. Pertinent details of the repair/inspection are on file at this Repair Station under Work 8718.

For: FAA Approved Repair Station # X1IR595Y

### \*\*\*\*\*\*\*\*\*\*\*\*MUNCIE AVIATION CO.CRS#AJVR135C \*\*\*\*\*\*\*\*\*\*\*\*

cial Inspections: 1 Yr 400,1000 Hr specials

A/C Time Date 3/23/2011

Eng.TT Cycles 1027.6 1027.6 792

Annual/100 Inspection ref TBM Service manual chapter 5-20-02

cked condition of Engine area Ok. Preformed Compressor Wash and "T" Wheel Rinse Pratt & Whitney MM,

noved Fuel Nozzles and sent to Dallas Airmotive cleaning and flow test see 8130 for details stalled ,torque and saftied

400hr Hot Section Borescope Inspection by Dallas otive DAY. Replaced "P-3" air filter with new unit 3059788-01 replaced main oil filter with new P/N 7579522AM. Removed Starter/Gen for OVH.

loosier Aircraft Accessory. Reinstalled St/Gen 8012F S/N 393 also replaced St/Gen drive seal new unit P/N3059046-01. Propeller removed

sent to Hartzell for inspection due to loose blades b. Propeller found to be in unairworthy condition. lled loaner prop from Rice Lake Air Center Mod# 4N-3/E9083SK S/N HH-584

H 817.8 TSN.2555.7 Engine ground run and filters checked IAW P&WC PT6A-66D MM

I certify that this \_\_\_\_\_has been inspected in accordance with a Annual/100 Hr. Insp. and was determined to be in airworthy condition. Repair Station No. AJVR135C

 Make
 P&W
 Ser.No
 PCE-RV00

 Model
 PT6A-66D
 Reg.Mark
 N257JM

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service

Pertinent details of the repair are on file at the Agency Work Order No. T1253 Date Signed World At nover Inspector for MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141

72-00-00 Section L (2) (a),(b), (c) part (d) due by March 30 2011 and 1052.6hr min. 1092.6hr. max.

Date//	Time since new	Time since overhaul	Total cycles	Details of task				Signat	ture	AME ACA/AMO SCA/AMO
FEV 10	72000									
PEV 10	120-				te	- title strengt pag!	<del>heen repaired in</del>			
					ac		rnanuel			
					QIN:		wellny condition.			
					Un		Service			
					Per		on file at this			
					repo	1 - W 2				
					Name .	GONZALEZ J	32/10			
					Stamp:	-00				
6.					fermilb:	date	MARCH 08 2010			
17						33//				
			82							
Logbook-Entry										
ration: N257JM										
ration: N257JM Socata TBM850	r.									
0.77			+							
Hrs: 699.2 P&W PT6A-66I	0						SH - ALLED	COCAT	TA	
699.2 P&W PT6A-660 RV0009 Hrs: 699.2							DAHER	-SOCAT	TA	
P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4	D IN-3/E9083S(K)						DAHER	-SOGAT	91L / EASA.145.5	152
699.2 P&W PT6A-661 RV0009 Hrs: 699.2 Hartzell HC-E4						SOCATA North America, Inc. Nor	rth Perry Airport 7501 S. Airport Road, Pembroke Pi	ines, FL 33023 / FAA CRS # URZR89	91L / EASA.145.5 Regi	152 istration N 257JM
699.2 P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4 er: HH2388 tal Hrs: 699.2	IN-3/E9083S(K)				Date	October 22, 2010	orth Perry Airport 7501 S. Airport Road, Pembroke Pin Aircraft Type TBM 850	ines, FL 33023 / FAA CRS # URZR89 SN 356	91L / EASA. 145.5 Regi	152 istration N 257JM
699.2 P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4 er: HH2388 tal Hrs: 699.2 16. NOV 2009 Rheinland Air	IN-3/E9083S(K) ) Service Werlt & Handel Gm	bH Mönchengladbach			Date	October 22, 2010	rth Perry Airport 7501 S. Airport Road, Pembroke Pi	ines, FL 33023 / FAA CRS # URZR89	91L / EASA.145.5 Regi	istration N 257JM
699.2 P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4 er: HH2388 tal Hrs: 699.2 16. NOV 2005 Rheinland Air Iork: 100-hrsinsp	IN-3/E9083S(K)	bH Mónchengladbach nance Manual			Meter Time	934.4 Hobbs	Aircraft Type TBM 850 T. T. 934.4	sn 356 W/O No. 4407	91L / EASA.145.5 Regi	o inspection of firs
699.2 P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4 HH2388 tal Hrs: 699.2 16. NOV 2009 Rheinland Air Vork: 100-hrsinsp Work i. a. w.	N-3/E9083S(K) Service Werft & Handel Gm ection i. a. w. Socata Maintel RAS W/O 190733	nance Manual			Meter Time  Eng. PT6A: Perform	934.4 Hobbs 66D S/N RV0009 TSN	Aircraft Type TBM 850 T. T. 934.4	sn 356  W/O No. 4407	91L / EASA.145.5 Regi	e inspection of firs
699.2 P&W PT6A-66I RV0009 Hrs: 699.2 Hartzell HC-E4 er: HH2388 tal Hrs: 699.2 16. NOV 2005 Rheinland Air fork: 100-hrsinsp Work i. a. w. work: 100-hrsinspection i. a. w. Special Inspection Tasks	Service Werft & Handel Gm ection i. a. w. Socata Mainter RAS W/O 190733	nance Manual			Meter Time  Eng. PT6A Performed stage or	934.4 Hobbs 66D S/N RV0009 TSN 300h. Inspection per TBM	Aircraft Type TBM 850  T. T. 934.4  N. 934.4.  700 Maintenance manual chapter 05-20-6	sn 356 W/O No. 4407  O3. Performed preliminary F.O per inspected and re-installed w	91L / EASA.145.5 Regi	e inspection of firs
699.2  P&W PT6A-661  RV0009  Hrs: 699.2  Hartzell HC-E4  H2388  tal Hrs: 699.2  16. NOV 2005  Rheinland Air  100-hrsinspection i. a. w.  Special Inspection Tasks  work: 100-hrsinspection Tasks  Special Inspection I. a. w.  100-hrsinspection I. a. w.  100-hrsinspection I. a. w.	Service Werft & Handel Gm ection i. a. w. Socata Mainter RAS W/O 190733 v. SOCATA TBM700 Mainter 5, 16, 25, 45, 53, 99, 115, 1 Maintenance Manual.	nance Manual. 21, 123, 124, 125, 126, 12			Meter Time  Eng. PT6A  Performed  stage comp inspects	934.4 Hobbs  66D S/N RV0009 TSN 800h. Inspection per TBM 7 essor blades, no defect. Pe	Aircraft Type TBM 850  T. T. 934.4  N. 934.4.  700 Maintenance manual chapter 05-20-0 Performed ultrasonic cleaning of P3 air filter	sn 356  W/O No. 4407  O3. Performed preliminary F.O.  er, inspected and re-installed we the holts, the nuts and the wa	91L / EASA.145.5  Regi  D.D. borescope with new O-rin ashers of the F	e inspection of firs  gs. Removed, cle  CU connector roc
## 100-hrsinspection i. a. w. SB70-053A2, Elevator i. P&W PT6A-66f	Service Werft & Handel Gmection i. a. w. Socata Mainter RAS W/O 190733  V. SOCATA TBM700 Mainter 5, 16, 25, 45, 53, 99, 115, 1 Asintenance Manual. v. Pratt&Whitney scheduled im Tab, as recurrent action.	nance Manual 21, 123, 124, 125, 126, 12 Maintenance Check List. Found satisfactory, Next d	Ue With		Eng. PT6A: Performed stage comp inspected ar with new box	934.4 Hobbs  66D S/N RV0009 TSN 800h. Inspection per TBM ressor blades, no defect. Per defense and the re-installed oil filter with re-installed oil filter with re-installed.	Aircraft Type  TBM 850  T. T. 934.4  N. 934.4.  700 Maintenance manual chapter 05-20-0 Performed ultrasonic cleaning of P3 air filtenance O-rings. C/W SB 14395R3 Replaced	sn 356 W/O No. 4407  O3. Performed preliminary F.O er, inspected and re-installed we the bolts, the nuts and the walk B 14411R2 Replaced the bolt.	Page 1 / EASA.145.5  Region O.D. borescope with new O-ringshers of the FCU country of the FCU country for	e inspection of firs ngs. Removed, cle FCU connector roo onnector rod end a
## 100-hrsinspection i. a. w. SP70-053A2, Elevator Irs. 15870-118. Flap Actuator i. P&W PT6A-66f RV0009  ### 100-hrsinspection i. a. w. SP70-053A2, Elevator Irs. 15870-118. Flap Actuator Irs. 15870-118. Flap Actu	Service Werft & Handel Gmection i. a. w. Socata Mainter RAS W/O 190733  V. SOCATA TBM700 Mainter 5, 16, 25, 45, 53, 99, 115, 1 Asintenance Manual. v. Pratt&Whitney scheduled im Tab, as recurrent action.	nance Manual 21, 123, 124, 125, 126, 12 Maintenance Check List. Found satisfactory, Next d	Ue With		Meter Time  Eng. PT6A: Performed stage comp inspected ar with new bol propeller car chapter 71.0	Hobbs  Solve Inspection per TBM in the sessor blades, no defect. Per constalled oil filter with residual and nuts which have a late of the sessor blades in box location with the present in the sessor blades.	Aircraft Type  Aircraft Type  TBM 850  T. T. 934.4  N. 934.4.  700 Maintenance manual chapter 05-20-0 Performed ultrasonic cleaning of P3 air filtename W O-rings. C/W SB 14395R3 Replaced arger head and integrated washer. C/W SB 14395 bolt configuration. Performed of SB 14395 bolt configuration.	sN 356 W/O No. 4407  03. Performed preliminary F.O. er, inspected and re-installed was the bolts, the nuts and the was B 14411R2 Replaced the bolt-compressor/turbine wash IAW ine run to determine satisfacto	Pratt & Whitn	e inspection of firs ngs. Removed, cle FCU connector roc onnector rod end a ney maintenance n ce IAW the
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## 15870-179, Towing Bar F	Service Werft & Handel Gm ection i. a. w. Socata Mainter RAS W/O 190733  V. SOCATA TBM700 Mainter 5, 16, 25, 45, 53, 99, 115, 1 Maintenance Manual.  V. Pratt&Whitney scheduled im Tab, as recurrent action. Found with ACTT 905 hrs. ion at Frame C18 / C19, as	mance Manual 21, 123, 124, 125, 126, 12  Maintenance Check List Found satisfactory. Next d satisfactory. Cleaning next recurrent action. Found	ue With		Meter Time  Eng. PT6A: Performed stage comp inspected ar with new bol propeller car chapter 71-0	Dictober 22, 2010  P34.4  Hobbs  B6D S/N RV0009 TSN B00h. Inspection per TBM Ressor blades, no defect. Por and nuts which have a law box location with the pre D-00. Installed new L/H Ign	Aircraft Type TBM 850  T. T. 934.4  N. 934.4. 700 Maintenance manual chapter 05-20-0 derformed ultrasonic cleaning of P3 air filter new O-rings. C/W SB 14395R3 Replaced arger head and integrated washer. C/W SI SB 14395 bolt configuration. Performed on the passes of th	sN 356 W/O No. 4407  03. Performed preliminary F.O. er, inspected and re-installed was the bolts, the nuts and the was B 14411R2 Replaced the bolt compressor/turbine wash IAW ine run to determine satisfactors.	Page Page Page Page Page Page Page Page	e inspection of firs ags. Removed, cle FCU connector rod connector rod end a aey maintenance n ce IAW the
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Page 5

Date //	Time since new	Time since overhaul	Total cycles	Details of task			Signature	AME ACA/AMO
CO VAC P	586°				0		Signature	SCA/AMO
			4			Certify that this aircraft has been repaired in		
					_	accordance with maintenance manuel		
					\	This proraft is approved for return to service		
						Under FAA certificate number XSOY114Y  Pettinent details of the work are on file at this		
						repair station under work report: 13/09		
					1	Name: GON ZALEZ J		
					\	Stamp: date 22 JAN 2009		
								Tro de
23. April 2009	4					(Con		10.3
					1	OA OB THE	Logbook	Entry
					1	Logbook Entry	Aircraft Registration N257JM Aircraft Type Socata Ti	
					1	Aircraft Type: Socata TBM850	Aircraft Type Socata Tt Serial Number 356 Aircraft Total Hrs: 604.8	1
			- (49)		18	Serial Number. 356 Aircraft Total Hrs. 604 8	Engine: P&W PT6. Serial Number: RV0009	4-66D
					1	Engine P&W PT6A-66D  Serial Number: RV0009  Engine L/H Total Hrs: 604.8	Tropener =	C-E4N-3/E9083S(K)
					1	Propeller L/H: Hartzell HC-E4N-3/E9083S(K)  Serial Number: HH2388	Propeller Total Hrs. 604.2	
						Propeller Total Hrs 604 2		Drit 2009 Air Service Werft & Han
					1	Date: Location: Rheinland Air Service Werft & Handel GmbH Mönchengladbach		ection i. a. w. FAR Part 4 RAS W/O 190204
					1	Scope of Work: 600-hrscheck i. a. w. SOCATA Maintenance Manual Work i. a. w. RAS W/O 190204	Details of work: For details see scope of work 600-h	s -inspection performed
		W-1			-	Details of work:	A&P 3021579.	0. 1100.00
						Performed 600-hrsinspection i. a. w. SOCATA TBM700 Maintenance Manual.  Performed the following Special Inspection Tasks i. a. w. SOCATA TBM700 Maintenance Manual:	I certify that this aircraft/ engine/ proj Annual Inspection and was determine	peller has been inspecte ed to be in alworthy con
						2, 4, 6, 7, 8, 12, 15, 16, 25, 28, 33, 34, 35, 37, 43, 45, 47, 48, 49, 32, 35, 37, 50, 47, 48, 49, 77, 78, 78, 78, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133, 133, 134, 134, 134, 134, 134, 134	Signature	
						I6EY448N. See IEA Form No. 8A, dated 30. 30L 2000. Next date the state of the state		
						Performed ELT-Test i. a. w. FAR 91.207d (1-4), found satisfactory. Butter Issued AD-listing and inserted into RAS Rotating Item List. Listing dated 18. APR 2009.  Performed Compass Swing.  Performed Starter Generator Brush Check and found within Manufacturers Limits Next due with		
1						ACTT 1205 hrs.		
						Removed, cleaned and inspected Fuel Pump Inlet Filter Next due with ACTT 1205 hrs		
						Performed Fuel Nozzle Check and found satisfactory Next due When to Check Found		)
				-2	1	Performed Hot Section Borescopic Inspection coincide with Fuel Nozzle Crieck Food Performed Hot Section Borescopic Inspection coincide with Fuel Nozzle Crieck Food Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Borescopic Inspection Coincide with Fuel Nozzle Crieck Food Performed Act Total Performed Section Performed Food Performed Section P		)
					-	with ACTT 705 hrs.		
The State of the						Checked SB70-080A1, Horizontal statistics of the control of the co		David
			Elizabeth Alexander			Satisfactory. Next due with ACT Foreign State of Compliance Propeller not affected.  Checked AD2006-24-07, Propeller Blades, for compliance Propeller not affected.  Checked AD2006-24-06, Alternator and Vapor Cycle Cooling System Pulley Drive Assy, for		Pag
				Control of the Contro		Checked AD2008-19-10, Emergency Landing Gear Bypass Selector, for compliance. Aircraft not affected.  Checked AD2008-19-10, Emergency Landing Gear Bypass Selector, for compliance. Aircraft not affected.  Checked Actuating Time of Inertial Separator several times i. a. w. AMM 71-60-00. No abnormal	of the state of the state of the state of	ALCO CALLADOR OF
						todications can be verified.		
						Checked GNS Data-Cards.  Checked GNS Data-Cards.  Checked Retraction Time during Gear Swing: Retraction Time 11 Seconds, Extension Time 10 Seconds I important to Seconds I important I im		
					W.	Indication during Test and tou. State Replacement due to heavy Contemination. Cleaned Fuel Filler Bowl during Filler Replacement due to heavy Contemination. Cleaned Fuel Filler Bowl during Filler Replacement and found satisfactory. Replaced LAH TXP-Antenna by new Functional Check performed and Socket, replaced Backshell Checked Wirres of SHADIN ETM Key For Identification, removed did Socket, replaced Backshell Checked Wirres of SHADIN ETM Replaced Check and found satisfactory and reconnected detached Wires. Performed functional Check performed and ok. Replaced R/H Ignitor Flug by new Functional Check performed and ok. Applied Tubing Spiral at L/H ML Q Brake Line to avoid further chafing at Structure in Wheel Well.		
						Applied Tubing Spiral at Line Real Locations Realtached Veloco Tape on several Locations Replaced Bonding Wire at Lint Mt. G Replaced Bonding Wire at Lint Mt. G Replaced Bonding Linck et Rint real Position Replaced Headest Jack et Rint rear Position		



## LOG BOOK ENTRY TBM700 S/No 356

1 of  $\mathcal{J}$ Page JOB NO 10094/EN

Airframe [	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N-3	TSO	CSO
TTSN: 400.3 hrs 	S/no PCE-RV0009			400.30	326	S/No HH2388	400.30	326

I cerify that this aircraft had a 100hr inspection I.A.W Socata TBM700 M.M. ref 05.20.02 dated Jul07 at 400.3hrs tacho time and was determined airworthy. This aircraft is approved for return to service.

FAA bi-weeklys checked upto 2007-23 and the following AD's actioned.

07-04-13 MLG strut found N/A by total landings

07-05-18 Aileron pulleys found N/A by S/N

07-06-04 Flap carriage pins found N/A by S/N

07-06-11 Vertical stabilizer fittings found N/A by S/N

07-06-14 Propeller control found N/A by S/N

07-09-07 NLG actuator pin found N/A by batch date code

07-21-10 Cabin door placard found N/A by S/N

07-23-07 MLG wheel axles. Axles found to be in effected range, Messier Dowty CS/1020/07 applied and found axles to be complient.NFA required.

R/H MLG tyre renewed P/N033-631-0 S/N7122W00302, L/H MLG tyre renewed P/N033-631-0 S/N7225W00129. L/H and R/H brake wear pads renewed P/N N7687730500 x64. R/H brake disc renewed P/N N6068757284. Oxygen bottle topped up. Oil sample analysis carried out with all results normal. Propeller blade L/E's dressed and reprotected. S207 overtemp. switch tightened. Aircraft battery renewed P/N RG380E/44 S/N 40171770 fitted.

The Aircraft identified above was repaired and inspected in accordance

with the current rules and regulations of the Federal Aviation

Administration and is approved for return to service.

Signature

Authority A+P Pendan Date BDec 2007

Air Touring Ltd. Building 204/205. Biggin Hill Airport. Kent TN16 3BN

logbw frx

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i <b>rframe</b> TSN: 400.3 hrs	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N	I-3 TSO
LSN: 326 Idas	S/no PCE-RV0009			400.30	326	S/No HH2388	400.30
CSN: 326 Cycs							
As at: 13/12/2007							
Engine run un and por	formanae abadea assis dae	A		13 -			
	formance checks carried ou						
Next sheduled mainter	nance due at 483.6hrs due to	o previous c	ver run o	or in May 20	80		
he Aircroft ide - Liti-	فالمسامع والمساورة والمساو	ordance					
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Date //	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
130ec 2007	400-3 tack	400 . 3 tach	326	100hr insperlion comed out	See attached by book cert for		
				Air Touring set. Jub No	10094 EN Note and stalled him	12	A+P Penduo
				due at 483.6km due	to previous over run or in May 2006.		
					Size ran or on they access.		130ec2007
			- 44.5				
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			217				
0 5 AUG 2008	495 /- 700						
	10.0 140	# NIC	458	SOFTIS ANNUAL MOOHE hsp			
				SOTTS HANUAL MOOHE hsp	A/C REG. #_	DATE_ HRS. TACH T	15 AUG 2008
					TOTAL A/C TH	ESO E NHS. DEEN INC	DECTED IN
			-		I CERTIFY TH. ACCORDANC	T THIS A/C HAS BEEN INS WITH AN(CIRCLE ONE) ANNU	UAL/100 HR
					HISPECTION / DETERMINED	AT THIS A/C HAS BEEN INS WITH AN CIRCLE ONE ANNU IS PERMY DE 20 TO BE IN AN AIRWORTHY C	ONDITION.
						1	JOOD I ALL
					SIGNATURE	CERTIFICAT	
					SIGNATORE GRAHAM	ADS TO BIN	my 200/15
					ALL FAA	405 16 52.00	
					A Secolar	Record	
	-						

Date //	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
11 APR 07	28360						
					Licertify that this aircraft has been repaired in		
					accordance with 3co / VA inspection at 283 60		
					and was determined to be in airworthy condition.		
					This aircraft is approved for return to service		
					under FAA certificate number XSOY114Y		
					Pertinent details of the work are on file at this		
#0.15 Lot					Next Inspection: 100 H at 38369		
2000					Name: GONZALEZ T		
22 10 2	1 2 -						
23 Vouemo 07	400 30				Stamp: 3 (5) date, 10 MAY 2007		
		2013	160				
					COINT TO FINA boom		
					CC 16		
					and was determined to be in disverby condition		
17					Intercept is approved for return to service		
					repair station under work are on file at this		
1 10 90-1					Pertinent details of the work are on file at this repair station under work report: 239/2007  Name: GOBALES		
					Stamp: 30/Novembe/2	2	
A. T. JIL E. F.					dois 30/1000 cm 11-e/2	DD P	
			-4	M. The state of th			
			100				
			200				
			4				
4							
-							

Date //	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
1 2 DEC 2005	0.0	0.0	0	New engine final acceptance test	This Power Section module is combined with Gas	
1 2 3 2 6 2000	0,0	0.0		completed satisfactorily and is in	Generator.	
				condition for safe operation.	S/N: PCE- R V0009	
					NG/ $\sqrt{\Theta}$ 34850 RPM, at 850 SHP/ $\delta\sqrt{\Theta}$	
					ITT Trim: <u>8.2</u> C°	
					T5 Trim resistance: //2.9 Ohms N. TOTH	
					- (26) Nick how	7.C 4-58 NO. 028
CG APRIL 2006	0.0	0-0	0-0	Solonoid Value installed according	to SB 16000 B3 item 1 and SI PAWC No 39 2005R2	
				instructions. Work performed in	accordance with applicable standards of airworthings Phietien Paid	1.0. 459 NO . 073
				onstitutions. Work performed the	Scharce with apparaise standard of would the sent the	. 76
10 Auril 2006	2400	0,0	2	120/11		
12 Avril 2006	3420	0.0	3	Vol d'essai constructeur		
19 Auril 2006		0.0	4	Vol d'essai constructeur	A/C REG. # 125 TOTAL A/C TIME LOS HRS. TACH TIME LOS	
24 Abril 200 6		0.0	5	Jol d'essai constructeur		
28 Auril 2006		0.0	7	Dold'essai constructeur	I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN	
03 Mai 2006	7"55	0,0	9	Vol d'essai constructeur	ACCORDANCE WITH AN (CIRCLE ONE) AND WAS INSPECTION AS PERL (1.5.2.) AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.	7
				Vol d'essai constructeur		
			Arrêté prés	ent livret à la SOCATA	SIGNATURE CERTIFICATE NO. TYPE	
			1603/02/2006	edu total de 7 mc	Significant area	000
			Visa du L	Département Qualité	OF GOO ADO TO BILLIBRIA TOTO! + MAN MATIBILE	Park
					OU SOMPLE TOKAD ESSAN SATIFICATION	A+P 2675624 IA
1 5 DEC 2006	201			Teu AE	CONDUCTOR CHANCE USION SIL.	2 5 AUG 2006
	201		300	V 100		2 J AUG 2000
					A/C REG. # NOSA DATE 1 5 DEC 2006	
					TOTAL AVC TIME	
		+			I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN	
		_			I CERTIFY THAT THIS A/C HAS BEEN INSPECTION HR  ACCORDANCE WITH AN (CIRCLE ONE) ARBUILD HR  INSPECTION AS PER THE SECONDITION.  DETERMINED TO BE IN AN AIRWORTHY CONDITION.	
					DETERMINED TO BE IN AN ARMOUNT A+P 2675624 IA	
					SIGNATURE CERTIFICATE NO/TYPE	
			-			
			-		FOR MAS TO BELIEFLY 2006/26 10004	
			-			
			-		Oil C. de tropos reguals stas	
					Commedat	
					Compressor and corned at ECIR Respondence our considér Sute.	A+P 2675624 LA
The Market					ENE CONTRACTOR OF THE PROPERTY	1 5 DEC 2006

Volume #:			
	4 -	D = 4	

Opened on: 1 2 DEC 2005

# **ENGINE DETAILS**

1. Manufacturer	Pratt & Whitney Canada Corp.
2. Type/Model/Series	PT6A- 66D B/S: //98
3. Serial Number	PS