



Transport
Canada

Transports
Canada

TP 14182E



(Revised 05/2005)

Engine Logbook

POWER SECTION

MODULE LOG BOOK

Canada

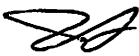
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Section 1: Record of engine maintenance and elementary work

N228CH
A/C TT: 4373.4hr.
Engine Model: PT6A-66D
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.

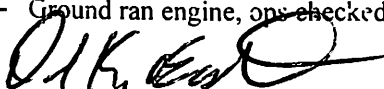

Jeremy A. Greene AP3666293 for Medical Air Inc.

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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

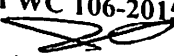
- In reference to Propeller Lightning Strike Inspection P&WC MM 3070902, Rev. 24 (PWCMM3070902Rv24.0), dated April 10, 2023 Chapter 72-00-00, paragraph N (3) (d), performed the following maintenance on PCE-RV0009:
- Removed oil filter element, inspected, electrosonic cleaned, and re-installed using new 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, ops checked 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

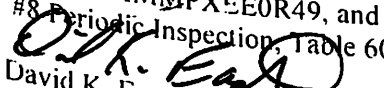
- Complied with (C/W) Pratt & Whitney Canada, (PWC) 100hr. P&WC Engine Compressor Desalination & Turbine Rinse in accordance with (IAW) (PWCMM3070902RV24.0, dated April 10,2023), section 71-00-00. 6A and C.
- C/W P&WC 100hr.Inspection, Cleaning of P3 Filter & P3 Filter Drain Valve Housing. Cleaned P3 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.

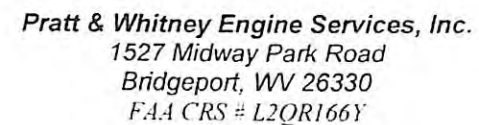
N228CH
A/C TT: 4402.1hrs.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
August 24, 2023

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 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.
- C/W 400hr. Inspection of Igniters for cleanliness and erosion IAW (P&WC MM 3070902, Rev. 24.0), Chapter 74-20-00. No defects 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.
- I certify this Engine has been inspected in accordance with a “A+” Annual Inspection per Daher TBM Maintenance Manual, P/N: DMAMMPXEE0R49, and items specified in P&WC MM 3070902, Rev. 24.0, dated April 10, 2023, section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service.


David K. Eastwood IA2778982 for Medical Air Inc.

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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ACFT. TYPE: SOCATA TBM 850	ACFT. S/N: 356	ACFT. TTSN: 4,364.7	HOUR METER: N/A
	N#: N228CH	ACFT. TCSN: 4,695	
ENG. MODEL: PT6A-66D	ENG SN# PCE-RV0009	ENG. TTSN: <i>See Below</i>	ENG. TCSN: <i>See Below</i>
		ENG. TSO: <i>See Below</i>	ENG. CSO: <i>See Below</i>

Gas Generator:	TTSN: 4,078.8	TCSN: 4,568	TSO: 563.4	CSO: 808
Power Section:	TTSN: 3,983.8	TSCN: 4,451	TSO: 563.4	CSO: 808

ENGINE ASSY: Medical Air requested MRT Support to perform troubleshooting for a reported RGB Chip indication and vibration. Medical Air technicians disassembled the engine as required for the MRT Tech to perform a borescope inspection of the 1st Stage Compressor and the C.T. Disk / Hot Section Area. A borescope inspection was performed with no defects were noted at this time. Medical Air Technicians forwarded an oil sample and patch test to the lab for investigation of the debris found on the chip detector, the oil sample after tested was found to be allowable. The propeller was inspected for a possible lightning strike and evidence of electrical discharge was found on the propeller spinner, as a result the Medical Air technicians removed the propeller at which time the RGB was inspected I/A/W the PT6A-66D EMM, Chapter 72.00.00, Paragraph N and found to be within acceptable limits. Medical Air forwarded the prop to the propeller shop for inspection and repair because of the lightning strike. Medical Air Technicians will complete an engine oil flush and required post runs I/A/W the PT6A-66D EMM, Chapter 72.00.00, Paragraph N, (3) after the propeller is repaired and reinstalled. Medical Air Technicians to complete the reassembly of the engine as required and complete all post maintenance leak checks and ground runs. This engine is approved for return to service upon the satisfactory completion of the above ground runs and leak checks. A visual inspection was performed of the areas as accessed with no other defects noted at this time. The above components have been checked for outstanding A.D.'s and S.B.'s. All work was performed I/A/W the PT6A-66D EMM, P/N: 3070902, Rev 23.0, Dated Oct-10-2022.

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: 233928

Approved Inspector: Felix S. Hintz III

Export Classification: 9A991.c.
Date: 12/02/2020 Badge: E-PW647539

RSCF GEN-041 (Apr 13)

Page 1 of 1

Gas Generator TT: 4078.8hr.
Power Section TT: 3983.8hr.
Gas Generator Total Cycles: 4568
Power Section Total Cycles: 4451
Engine TSO: 563.4hr.
Engine CSO: 808

- Inspected engine for "Chip" light illumination, intermittent vibration and lightning strike in accordance with (IAW) P&WC MM 3070902, Rv.23, dated October 10, 2022 and Rv.24, dated April 10, 2023.
- **Chip light reference:** Chapter 72-00-00 Figure 105 Engine Lubricating Oil Contamination Fault Isolation Chart & Chapter 79-20-02 (8) (B) (11) (a) Allowable debris. Oil analysis report, dated: March 30, 2023 from Spectro.
- * Removed oil filter, both chip detectors and oil strainer for inspection. Found small hair-like filament on forward RGB chip detector, (fuzz) Cleaned oil filter, no magnetic particles found. Reinstalled filter and chip detectors and oil strainer with new O-rings, torqued and safetied. Sample oil and patch test was sent for oil analysis and found to be allowable.

* Drained oil. Serviced with 10 qts. of Aeroshell 560 oil.

- **Intermittent vibration reference:** Chapter 72-00-00 Figure 102 Engine Operating Fault Isolation Chart, Sheet 7, Vibration. Inspected engine, lines, mounts, lord mounts accessories, no defects noted at this time.

* Removed and inspected the BOV with no defects noted at this time. Reinstalled, torque and safetied. IAW P&WC MM Paragraph 5(a)(b) & 7.

- Lightning strike Reference: 72-00-00 Paragraph N, (3). Removed prop due to possible lightning strike.

* Aft prop overhaul. reinstalled propeller, ran engine for 10 mins. at 80%, shutdown engine, removed and inspected/cleaned oil filter, oil strainer and chip detectors, no debris noted at this time. Reinstalled oil filter, oil strainer and chip detectors with new O-rings, torqued and safetied. **Will remove oil filter, oil strainer and chip detectors to inspect and clean in 25 hours due to lightning strike.**

* Removed starter/generator, inspected splines for arching, no defects noted at this time. Reinstalled starter/generator with new O-ring, torqued and safetied IAW Daher TBM Maintenance Manual,

P/N: DMAMMPXEE0R49, Chapter 24-30-03, pg. 401- 405.

* Removed fuel control inlet screen, cleaned and inspected and reinstalled using new O-ring and safetied.

* Replaced fuel control outlet filter with new filter, P/N: 3059779-01, O-rings and safetied.

Work performed IAW P&WC MM 3070902, REV23, dated October 10, 2022, Chapter 73-10-02.

* Ground ran engine, ops checked good, no leaks found at this time.

Complied with a performance run, all readings good at this time.

David K. Eastwood AP2778982

N228CH
A/C TT: 4365.7hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
May 3, 2023

Gas Generator TT: 4079.8hr.
Power Section TT: 3984.8hr.
Gas Generator Cycles: 4571
Power Section Cycles: 4454
Engine TSO: 564.4
Engine CSO: 811

Replaced cracked **RGB magnetic chip detector** with new chip detector P/N: 3045951-02. Installed using new oring P/N: M83248-1-115, torqued and safetied. Work performed IAW PWC PT6A-66D MM P/N: 3070902 rev. 24.0 dated April 10, 2023 71-10-00 section 5 C&F. Continuity check performed with no defects noted. Ground run performed and no leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.

Section 1: Record of engine maintenance and elementary work

N228CH
A/C TT: 4178.1 hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
August 24, 2021

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**
- 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.



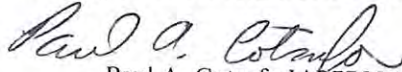
Jeremy A. Greene for Medical Air Inc.

N228CH
Aircraft TT: 4178.1 hrs
Engine: PT6A-66D
S/N: RV0009
August 24, 2021

Engine TSO: 376.8 hrs
Engine CSO: 534
Gas Generator TT: 3892.2 hrs
Power Section TT: 3797.2 hrs
Gas Generator cycles: 4294
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 service.



Paul A. Cotrufo IA2775553

N228CH
Power Section: 3860.6 hrs TT
Power Section total cycles: 4282
Power Section TSO: 440.2 hrs.

S/N: 356
Gas Gen: 3955.6 hrs TT
Gas Gen total cycles: 4399
Gas Gen TSO: 440.2 hrs

April 11, 2022
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.

Aircraft TT: 4241.5 hrs.
Landing cycles: 4526



Paul A. Cotrufo AP2775553 For Medical Air, Inc

DAHER

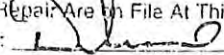
FAA CRS # URZR891L / EASA.145.5152

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

Date : 10/03/2022	Serial Number : 356	Registration : N228CH	Aircraft type : TBM 700
Meter Time: 4274.5 Hobbs	Time Since New : 4274.5	Cycle Since New : 4582	Work Order : 7701

- 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 65-20-04/05-20-05. 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.
- 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 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.

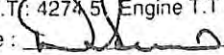
The aircraft Airframe, Engine, Propeller, Appliance Identified Above Was Repaired And Inspected In Accordance With Current Regulation Of Federal Aviation Administration And In Accordance With EASA 145.A.50 And Is Approved For Return To Service For the Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under W.O. # 7701.

Date : 10/03/2022 Signature:  Darren SEAGO

CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared in accordance with "C +" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Pertinent 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

Signature :  Darren SEAGO

Date : 10/03/2022 CRS # URZR891L / EASA 145.5152

Section 1: Record of engine maintenance and elementary work

N228CH S/N: 356
A/C TT: 4031.4hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
July 1, 2020
1 of 2

Gas Generator TT: 3745.5hr.
Power Section TT: 3650.5hr.
Gas Generator Total Cycles: 4064
Power Section Total Cycles: 3947
Engine TSO: 230.1hr.
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 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.18.1) 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 (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
A/C TT: 4031.4hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
July 1, 2020
2 of 2

Gas Generator TT: 3745.5hr.
Power Section TT: 3650.5hr.
Gas Generator Total Cycles: 4064
Power Section Total Cycles: 3947
Engine TSO: 230.1hr.
Engine CSO: 304

- Complied with P&WC 106-2015 PT6- Engine Oil Sample Instructions, by taking an oil sample IAW the instructions and sending the sample to P&WC.
 - 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 for return to service.

David K. Eastwood 1A2778982 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 YRR2491L

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.

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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Pratt & Whitney
A United Technologies Company

☐ Overhaul ☒ Repair C.T. Vane Class: 7.22 3S9 P.T. Vane Class: 23.15 5S1

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.

ITT TRIM: 75.9°F, 42.2°C. TRIM RESISTANCE: 26.8Ω
C.T. TRIM BALANCE WEIGHTS: G06N E22N N/R N/R
C.T. BAFFLE CLASS: 09 BOV SEAT: 16

Date: 13 APR 2020

PWV-3096 (FEB 15)

Signed: Bradley R. Mills (PWT/65)
BRADLEY R. MILLS, AUTHORIZED INSPECTOR
Export Classification: ECCN 9E991

Page 1 of 1

Section 1: Record of engine maintenance and elementary work



Pratt & Whitney

A United Technologies Company

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.

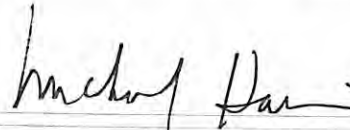
GAS GEN - TTSN:3588.2 TCSN: 3863.0 TSO: 72.8 CSO: 103

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

DATE: 24-Jul-2019

Approved Inspector:  Michael Harris

N228CH

A/C TT: 3838.0hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

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.

Gas Generator TT: 3613.3hr.

Power Section TT: 3518.3hr.

Gas Generator Cycles: 3899

Power Section Cycles: 3782

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.



Pratt & Whitney

A United Technologies Company

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: 3962.50	HOUR METER:
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

Page 1 of 1

Removed engine S/N PCE-RV0009 Gas Gen TTSN: 3737.8 TCSN:4047 TTTSO: 222.4 TCSSO: 287, Power Section TTSN: 3642.8 TCSN: 3930 TTTSO: 222.4 TCSSO: 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

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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Pratt & Whitney Engine Services, Inc.
1525 Midway Park Road
Bridgeport, WV 26330
Certificate Number LM1R301K



Pratt & Whitney

A United Technologies Company

Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY	POWER SECTION MODULE	PT6A-66D	PS-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
3490.9	3743	70.5	100

☐ Overhaul ☒ Repair C.T. Vane Class: 7.25 3S9

P.T. Vane Class: 23.75 2S2

DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

THIS ENGINE MODULE HAS BEEN REPAIRED AND INSPECTED FOR "NOISE IN POWER SECTION / MIO" IN ACCORDANCE WITH OVERHAUL MANUAL, P/N: 3070903, REV 14, DATED 28 MAY 2018; 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. MATED WITH GAS GENERATOR MODULE, S/N: PCE- RV0009, AND TESTED IN ACCORDANCE WITH THE OVERHAUL MANUAL.

This engine module has been inspected and repaired 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. **212362**.

Date: 01 JUL 2019

Signed:

Bradley R. Mills
BRADLEY R. MILLS, AUTHORIZED INSPECTOR

Technical data NOT classified more restrictively than ECCN 9E991

PWV-3096 (FEB 15)



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

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

ACFT. TYPE: TBM 850	ACFT. S/N: 356 N#: N228CH	ACFT. TTSN: 3810.6 ACFT. TCSN: 3909	HOUR METER: N/A
ENG. MODEL: PT6A-66D	ENG SN# RV0009	ENG. TTSN: N/A ENG. TSO: 70.5	ENG. TCSN: N/A ENG. CSO: 100

INSTALLED CORE ENGINE ASSEMBLY S/N: RV0009 ON AIRCRAFT N228CH.

GAS GEN : TTSN: 3585.9 TCSN: 3860 TTSO: 70.5 TCOS: 100

POWER SEC: TTSN: 3490.9 TCSN: 3743 TTSO:70.5 TCOS: 100

SERVICED ENGINE WITH 9 QTS OF AEROSHELL 560 TURBO OIL. 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.

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. Pertinent details of the work performed are on file at this agency under Sales Order: 213361

Date **17 Jul 2019**

Approved Inspector:

Michael Hain



Export Classification: ECCN 9E991
Date: 14/05/2013 Badge: E-PW42025

RSCF GEN-041 (Apr 13)

Page 1 of 1

N228CH S/N: 356
A/C TT: 3810.6hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
July 17, 2019

Gas Generator TT: 3585.9hr.
Power Section TT: 3490.9hr.
Gas Generator Cycles: 3860.0
Power Section Cycles: 3743.0
Engine TSO: 70.5hr.
Engine CSO: 100

- 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 "C+" Inspection per Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R47, and is approved for return to service.

David K. Eastwood
David K. Eastwood AP2778982 for Medical Air Inc.

Section 1: Record of engine maintenance and elementary work



Pratt & Whitney

A United Technologies Company

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 file at this agency under Sales Order: 210856

DATE: **4-Mar-2019**

Approved Inspector:

Michael Harris

Michael Harris



Pratt & Whitney

A United Technologies Company

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: 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

Page 1 of 1

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

Brian Herron

Section 1: Record of engine maintenance and elementary work

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

A United Technologies Company

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: 3638.0	ACFT. HOUR METER:
TBM 850	REG. #: N228CH	ACFT. TCSN: 3672	N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN: 3515.4	ENG. TCSN: 3760
PT6A-66D	PCE-RV0009	ENG. TSO: N/A	ENG. CSO: N/A

Page 1 of 1

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.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 18, dated 4/10/2017, Daher Socata Maintenance Manual P/N ZOO.DMAMMPXEOR46 dated September 2016 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: 209408

DATE: **11-Dec-2018**

Approved Inspector:

Brian Herron

Pratt & Whitney Engine Services, Inc.

1525 Midway Park Road

Bridgeport, WV 26330

Certificate Number LM1R301K



Pratt & Whitney

A United Technologies Company

Manufacturer PRATT & WHITNEY	Description POWER SECTION MODULE	Model/Type PT6A-66D	Serial Number PS-RV0009
Time Since New 3420.4	Cycles Since New 3643	Time Since Overhaul 0.0	Cycles Since Overhaul 0

☒ Overhaul ☐ Repair C.T. Vane Class: 7.25 3S9

P.T. Vane Class: 23.75 2S2

DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

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 APPROVED DOCUMENTATION AND/OR ENGINEERING DOCUMENTATION ACCEPTABLE TO THE ADMINISTRATOR. MATED WITH GAS GENERATOR MODULE, S/N: PCE-RV0009 PRIOR TO TEST.

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.

Date: 26 FEB 2019

Signed:

BRADLEY R. MILLS, AUTHORIZED INSPECTOR

PWV-3096 (FEB 15)

Technical data NOT classified more restrictively than ECCN 9E991

“DAHER

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. Phongsavath Kam Phongsavath

Date : 06/27/2018 CRS # URZR891L / EASA 145.5152

Section 1: Record of engine maintenance and elementary work

N228CH A/C TT: 3207.4hr. Engine Model: PT6A-66D Engine S/N: RV0009 September 29, 2017	Gas Generator TT: 3084.8hr. Power Section TT: 2989.8hr. Gas Generator Cycles: 3286 Power Section Cycles: 3169
<u>Special Inspection Items</u> - C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C.	
<u>Routine Maintenance</u> - 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 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. - 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, REV.18.1, dated July 27, 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.	

N228CH S/N: 356 A/C TT: 3297.6hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 January 5, 2018	Gas Generator TT: 3175.0hr. Power Section TT: 3080.0hr. Gas Generator Cycles: 3380 Power Section Cycles: 3263 1 of 2
<u>Routine Maintenance</u> - C/W 100hr. P&WC Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C. - C/W P&WC 600hr. Engine Fuel Pump Filters Inspection, Cleaning/Replacement. Replaced fuel pump discharge filter, P/N: 3059779-01. Inspected and cleaned inlet screen filter. Installed both filters with new O-rings. Work performed IAW (PWCMM3070902RV18.1) section 73-10-02 #5 & #7. - 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 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. - 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 3666293 for Medical Air Inc.	

N228CH S/N: 356 A/C TT: 3297.6hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 January 5, 2018	Gas Generator TT: 3175.0hr. Power Section TT: 3080.0hr. Gas Generator Cycles: 3380 Power Section Cycles: 3263 2 of 2
- Collected oil sample for analysis IAW P&WC Special Instruction No. 106-2015R2. - 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 "A" Inspection using Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R46, and items specified in P&WC MM 3070902, REV.18.1, July 27, 2017, (PWCMM3070902RV18.1) 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: 3397.0hr. Engine Model: PT6A-66D Engine S/N: RV0009 April 13, 2018	Gas Generator TT: 3274.4hr. Power Section TT: 3179.4hr. Gas Generator Cycles: 3488 Power Section Cycles: 3371
<u>Special Inspection Items</u> - C/W Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C.	
<u>Routine Maintenance</u> - 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, REV.18.1, dated July 27, 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.	

Section 1: Record of engine maintenance and elementary work

N228CH S/N: 356
A/C TT: 3010.4hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
January 26, 2017

Gas Generator TT: 2887.8hr.
Power Section TT: 2792.8hr.
Gas Generator Cycles: 3031
Power Section Cycles: 2914

Special Inspection Items

- C/W Daher Special Check #43 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.17.2 January 13, 2017, (PWCMM3070902RV17.2) section 71-00-00, 6A and 6C.
- Complied with 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 the cap.
- C/W Daher Special Check #49 Inspect, Clean P3 Filter & P3 Filter Drain Valve Housing. Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV17.2) section 73-10-07.
- Performed electrosonic cleaning of P3 air filter inspected and re-installed with new O-rings per (PWCMM3070902RV17.2) section 73-10-07.

Routine Maintenance

- 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.
- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV17.2) section 79-20-02.
- Replaced both igniters, P/N: CH34055. 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.
- I certify this Engine has been inspected in accordance with (IAW) items specified in P&WC MM 3070902, REV.17.2, January 13, 2017 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service. (PWCMM3070902RV17.2)

Jeremy A. Greene AP 3666293 for Medical Air Inc.

DAHER

FAA CRS # URZR891L / EASA.145.5152

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

Date : 05/30/2017

Serial Number : 356

Registration : N228CH

Aircraft type : TBM 850

Meter Time: 3111.2 Hobbs

Time Since New : 2893.6

Cycle Since New : 3032

Work Order : 6051

- Eng. PT6A-66D S/N. PS-RV0009 TSN. 2893.6 HSI. 1315.1 CSN. 3032.
- 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.
- 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 P3 filter bowl. Re-installed with new O-rings.
- Cleaned, inspected and re-installed oil filter with new O-rings.
- 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.
- Collected engine oil sample and provided the oil sample kit to customer for analysis.
- 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 test by SouthEast Turbines CRS # E7BR231O, W.O. TS6807, date 02/May/2017 and re-installed with new pre-formed packings and gaskets IAW Pratt & Whitney maintenance manual chapter 73-11-05. C/W 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 compressor inlet case, no corrosion found. Applied 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 IAW Pratt & Whitney maintenance manual chapter 71-00-00.
- Installed new igniter gaskets P/N 3010880.
- 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, 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. Phongsavath* Kam Phongsavath
CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared 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. Phongsavath* Kam Phongsavath
Date : 05/30/2017 CRS # URZR891L / EASA 145.5152

Section 1: Record of engine maintenance and elementary work

N228CH S/N: 356 A/C TT: 2725.2hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 April 25, 2016 2 of 2 <u>Special Inspection Items</u> - Daher-Socata Special Check #39 Engine Boroscope Inspection was complied with by Dallas Airmotive, Cert.No.YRR6491L, Paul McKinny, Order no. FS46251, dated 4/13/2016. See logbook entry for details. I certify this Engine has been inspected in accordance with (IAW) a Daher-Socata "B+" Inspection using Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R45, with Temporary Revisions through 057.37 and items specified in P&WC MM 3070902, REV.17.0 March 7, 2016 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service. <i>David K. Eastwood</i> David K. Eastwood AP2778982 for Medical Air Inc.	Gas Generator TT: 2602.6hr. Power Section TT: 2507.6hr. Gas Generator Cycles: 2705 Power Section Cycles: 2588	D 60	N228CH S/N: 356 A/C TT: 2916.3hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 October 13, 2016 <u>Special Inspection Items</u> - C/W Daher Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.17.1 August 18, 2016, (PWCMM3070902RV17.1) section 71-00-00, 6A and 6C. - Complied with 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 the cap. - 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 (PWCMM3070902RV17.1) section 73-10-07. - Performed electrosonic cleaning of P3 air filter inspected and re-installed with new O-rings per (PWCMM3070902RV17.1) section 73-10-07. <u>Routine Maintenance</u> - 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. - Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV17.1) section 79-20-02. - Replaced Right ignitor lead with new lead, P/N: CH53399-06. Ops checked good at this time. - 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. <i>Jeremy A. Greene</i> Jeremy A. Greene AP 3666293 for Medical Air Inc.	Gas Generator TT: 2793.7hr. Power Section TT: 2698.7hr. Gas Generator Cycles: 2948 Power Section Cycles: 2831 1 of 2
N228CH S/N: 356 A/C TT: 2820.8hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 July 15, 2016 <u>Special Inspection Items</u> - C/W Daher Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.17 March 7, 2016, (PWCMM3070902RV17) section 71-00-00, 6A and 6C. Complied with 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 the cap. - C/W P&WC 106-2015 PT6A-Engine Oil Sample Instructions by taking oil sample IAW enclosed instructions and mailing the sample to P&WC Longueuil, Quebec, and Canada for analysis. - 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 (PWCMM3070902RV17) section 73-10-07. - Performed electrosonic cleaning of P3 air filter inspected and re-installed with new O-rings per (PWCMM3070902RV17) section 73-10-07. <u>Routine Maintenance</u> - P&WC SB No. 14507R1 Inspection of Interconnect Rod previously C/W P&WC SB No. 14507, April 25, 2016, 2725.2hr. Aircraft Total Time. Safety cable installed correctly. No interference found. - Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV17), section 79-20-02. - 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 this Engine has been inspected in accordance with (IAW) items specified in P&WC MM 3070902, REV.17.0. March 7, 2016 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service. <i>Jeremy A. Greene</i> Jeremy A. Greene AP 3666293 for Medical Air Inc.	Gas Generator TT: 2698.2hr. Power Section TT: 2603.2hr. Gas Generator Cycles: 2819 Power Section Cycles: 2702		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 (IAW) a Daher-Socata "A" Inspection using Daher-Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R45, with Temporary Revisions through 057.37 and items specified in P&WC MM 3070902, REV.17.1, August 18, 2016 section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service. (PWCMM3070902RV17.1) <i>David K. Eastwood</i> David K. Eastwood AP2778982 for Medical Air Inc.	Gas Generator TT: 2793.7hr. Power Section TT: 2698.7hr. Gas Generator Cycles: 2948 Power Section Cycles: 2831 2 of 2

Section 1: Record of engine maintenance and elementary work

N228CH
A/C TT: 2622.8hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
February 4, 2016

Gas Generator TT: 2558.8hr.
Power Section TT: 2463.8hr.
Gas Generator Cycles: 2638
Power Section Cycles: 2521

Removed "850 mode" solenoid valve P/N: 3032083, S/N: 0213T and installed new solenoid valve P/N: 3032083, S/N: 1375T. Installed IAW PWC PT6A-66D MM P/N: 3070902 Rev. #16.2 dated December 21, 2015, section 71-10-09. Ground ran aircraft and performed ground functional check of the torque limiter and "850 mode", both functions operate correctly at this time.

Jeremy A. Greene AP3666293 for Medical Air Inc.



Customer: UNC Air Operations

Engine Model: PT6A-66D

Engine Position: Center

S/N: PCE-RV0009

ETT: 2725.2

Cycles: 2705

Aircraft Info: TBM 700

S/N: 356 Reg: N228CH

ATT: 2725.2

Cycles: 2705

Performed a borescope inspection of the engine as part of a 400 hour routine inspection. The condition of the engine is normal for time in service. Minor erosion and a few nicks on the compressor blades refer to the MM for blending criteria. Refer to the Pratt and Whitney MM P/N 3070902 Rev. 17.0 Dated March 07, 2016 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.

Order No.: FS46251 Date: 4/13/2016 Signed: Paul McKinny Signature:

For Dallas Airmotive, Incorporated Repair Station YRR6491L 2049 High Ridge Rd Boynton Beach, FL 33426

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 inspection. Based on this limitation, Dallas Airmotive, Inc. cannot and does not warrant its findings for borescope 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

N228CH S/N: 356
A/C TT: 2725.2hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
April 25, 2016 1 of 2

Gas Generator TT: 2602.6hr.
Power Section TT: 2507.6hr.
Gas Generator Cycles: 2705
Power Section Cycles: 2588

Special Inspection Items

- C/W Daher Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW) P&WC MM 3070902, REV.17 March 7, 2016, (PWCMM3070902RV17) section 71-00-00, 6A and 6C.

Complied with 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 the cap.

- 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 #FS46251/1802491 dated April 14, 2016. Nozzles were cleaned, inspected and tested and reassembled. SB14357R4 and SB14495R3 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 17 dated March 7, 2016. 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 Checks #44 and #45 Engine Fuel Pump Filters. Replaced fuel pump discharge filter, P/N: 572744, (20825-G). Inspected and cleaned inlet screen filter. Installed both filters with new O-rings. Work performed IAW (PWCMM3070902RV17) section 73-10-02 #5 & #7.

- 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 (PWCMM3070902RV17) section 73-10-07.

- Replaced P3 filter, P/N: 3059788-01 with new O-rings per (PWCMM3070902RV17) section 73-10-07.

- C/W Special Check #47 Replacement of Oil Filter Element. Removed oil filter element. Installed new oil filter element, P/N: P/N: 3059258-01 with new O-rings, IAW (PWCMM3070902RV17) section 79-20-02.

- C/W Special Check #48 Chip Detector Inspection. Removed, inspected and reinstalled both chip detectors with new O-ring, torqued and safetied. No metal found at this time. Ops checked good at this time.

- C/W Special Check #49 AGB Internal Scavenge Pump Inlet Screen Inspection. While rear chip detector was out, inspected scavenge pump inlet screen. Nothing found on screen.

Routine Maintenance

- C/W P&WC SB 14001R18 Turboprop Engine Approved Listing of (Synthetic) Lubrication Oils.

Drained oil, flushed and replenished with new BP2380 engine oil per owner's request. For topping off engine use Aeroshell ASTO560, This engine, S/N: RV0009 met the requirements of 3 (b) 1-3, (only traces of carbon found).

- C/W P&WC SB No. 14507 Inspection of Interconnect Rod. Safety cable installed correctly. No interference found.

- C/W P&WC SIL No. PT6A- 213 Compressor Inlet Case Corrosion Prevention. Inspected engine compressor inlet case for corrosion, no defect noted at the inspection. Applied an approved corrosion inhibitor compound, "Corrosion X" on inlet case area as required IAW (PWCMM3070902RV17) section 72-00-00 as specified in P&WC SIL No. PT6A-213.

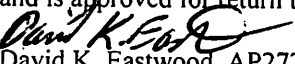
- C/W P&WC SIL No. PT6A-239R1 Reversing Lever Guide Pin Bracket assembly. Reversing lever guide pin bracket installed correctly.

- 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 3666293 for Medical Air Inc.

Section 1: Record of engine maintenance and elementary work

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

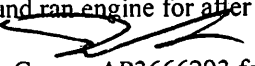
Gas Generator TT: 2211.8hr.
Power Section TT: 2116.8hr.
Gas Generator Cycles: 2234
Power Section Cycles: 2117

N228CH S/N: 356
A/C TT: 2528.9 hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
October 15, 2015

Gas Generator TT: 2406.3hr.
Power Section TT: 2311.3hr.
Gas Generator Cycles: 2467
Power Section Cycles: 2350

- 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.

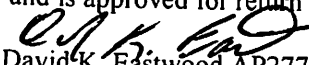
Jeremy A. Greene AP 3666293 for Medical Air Inc

N228CH
A/C TT: 2385.0hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
May 29, 2015
- 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.

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

N228CH S/N: 356
A/C TT: 2528.9 hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
October 15, 2015

Gas Generator TT: 2406.3hr.
Power Section TT: 2311.3hr.
Gas Generator Cycles: 2467
Power Section Cycles: 2350

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 S/N: 356
A/C TT: 2437.4hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
July 24, 2015
- 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.
- Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV16) section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV16) section 73-10-07.
Routine Maintenance
- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV16), section 79-20-02.
- 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.

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

N228CH
A/C TT: 2622.8hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
December 21, 2015

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

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 service.
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 (PWCMM3070902RV16.1 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 new	Time since overhaul	Total cycles	Details of task
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Pratt & Whitney Engine Services, Inc.
710 Westlake Parkway
Atlanta, GA. 30336
FAA Certificate Number HN4R238M



Pratt & Whitney
A United Technologies Company

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	2,290.3	2,101

☐ Overhaul ☒ 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 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.	185420			
W/O No.	A15062	Date	Feb 07, 2015	Approved Inspector: <i>Phil S. Briggs</i> ATL

Form: ATL-3010S Export Classification: 9E991

Revised: May 2013



Dallas Airmotive
A BBA Aviation company

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

A/C REGISTRATION: N228CH	AIRCRAFT S/N: 356	HOBBS: 2334.4
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ENG MANUFACTURER PRATT & WHITNEY CANADA	ENG TYPE/MODEL: PT6A-66D	ENG SER. NUMBER: PCE-RV0009
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ENG TSN 2211.8	ENG CSN 2234	ENG TSO N/A	ENG CSO N/A
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PERFORMED BORESCOPE INSPECTION ON ENG S/N PCE-RV0009. 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 ADMINISTRATOR. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT REPAIR STATION UNDER WORK ORDER NO. RPR38746. -----END-----

DATE: 03/31/2015

SIGNATURE: *John R. Hyle*



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.

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 123456 for Medical Air Inc.

3446293

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

Section 1: Record of engine maintenance and elementary work

Date	Time since new	Time since overhaul	Total cycles	Details of task
10/11/2019				

Registre de maintenance Maintenance Log

Centre de service révision - St-Hubert
Service centre St-Hubert

**Pratt & Whitney Canada**

Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Corp.
SERVICE CENTER ST-HUBERT
7007 de la savane
St-Hubert, Québec,
Canada J3Y 3X7

P&WC 11501 (2013-09) Page 7

Fabricant - Manufacturer: PRATT & WHITNEY CANADA		Désignation - Description: TURBOPROP POWER SECTION MODULE		Modèle - Model PT6A-66D	No de série - Serial No: PS- RV0009
Bon de vente - Sale order: 184595		TSN 2072.7	CSN 2072	SSN N/A	FSN N/A
Travail effectué - Work performed: REPAIRED		TSO N/A	CSO N/A	SSO N/A	FSO N/A

THIS POWER SECTION MODULE HAS BEEN INSPECTED, REPAIRED, MODIFIED, TESTED AND PROCESSED IN A/W PT6A-66D
OVERHAUL MANUAL REV.10, MAINTENANCE MANUAL REV.15, APPROVED DATA AND SPECIFICATION
NO. G-PT6ALL REV.2.0.

ALL CANADIAN A.D.'S AND AMERICAN (F.A.A) A.D.'S WERE VERIFIED AND THERE ARE NO APPLICABLE A.D.'S TO THIS MODULE

MATED, TESTED AND SHIPPED WITH GAS GEN MODULE: S.N. PCE-RV0009.
TEST RUN PERFORMED AND EQUIPE

TEST RUN PERFORMED AND FOUND SATISFACTORY.

C.T. VANE AREA: 7.21 (NOT DISMANTLED) P.T. VANE AREA: 23.36 CAVITY: 5S1

EXPORT CONTROL CLASSIFICATION : THIS DOCUMENT CONTAINS NO TECHNICAL DATA

22 Jan 2015
Date (YY-MM-DD)

Vérificateur autorisé
Authorized Inspector

Lloyd Moore
PWC AMO 20-00



T.C AMO No 20-00

[illegible]

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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T.C AMO No 20-00

[illegible]

Section 1: Record of engine maintenance and elementary work

Engine Model : PT6A-66D
Engine Serial #: RV0009
Engine TSN/TSO : 2,086.40
Engine CSN/CSO : 2,103.1
Engine Position : Single Engine
Log Book : Engine
A/C Reg #: N228CH
Work Order #: STP51432
A/C Ser #: 356
A/C Time : 2,086.40
Date : 8/25/2014

Power Section
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http://www.atlantic-aero.com

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

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.

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: STP51432

Signed:  for Atlantic Aero, Inc. CRS#: EWGR752D

- 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.

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 return to service.

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

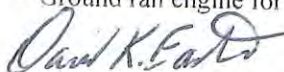
I certify the completion of the A Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: Z00.DMAMMPXEE0R44, items specified in P&WC MM 3070902, Rev. 44, dated: 07 July 2014, section 72-00-00 #8 Periodic Inspection, Table 601 and is approved for return to service.

Special Inspection Items

- 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.
- C/W Special Checks #44 and 45 Engine Fuel Pump Filters. Replaced fuel pump discharge filter, P/N: 572744. (PWCMM3070902RV14) section 73-10-02 #5 & #7.

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV14) section 79-20-02.
- Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV14) section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV14) section 73-10-07.
- 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 (PWCMM3070902RV14) section 75-30-00, #5.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.


David K. Eastwood AP2778982 for Medical Air Inc.

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



Pratt & Whitney
A United Technologies Company

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

☐ Overhaul ☒ Repair

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.

S/O No.	184391				
W/O No.	A14496	Date	Nov 06, 2014	Approved Inspector:	

Form: ATL-3010S Export Classification: 9E991

Revised: May 2013

Section 1: Record of engine maintenance and elementary work

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,953.90 / 1,858.9
Engine CSN/CSO : 1,958 / 1841 KE
Engine Position :
Log Book : Engine Power Section Date : 3/21/2014



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Special Inspection Items

- Complied with P3 Filter Cleaning in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter 72-00-00.
- 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.
- Special Check 38 Complied with Special Check 38 Engine Borescope in accordance with Socata TBM850 aircraft maintenance manual chapter 05-20-05.
- Special Check 40 Complied with Special Check 40- Engine Compressor & Turbine Wash in accordance with Socata TBM850 aircraft maintenance manual chapter 05-20-05.
- Special Check 42 Complied with Special Check 42 - Fuel Manifold Adapters & Nozzles Leak Test in accordance with Socata TBM850 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# H1R069Y, under work order PO-1401268. Reference 8130 dated 11/March/2014. All work performed with reference to Pratt & Whitney maintenance manual 73-11-05.
- Special Check 46 Complied with Special Check 46 by replacing engine oil filter with new oil filter P/N: 3059258-01. Work performed in accordance with Pratt & Whitney maintenance manual 79-20-02.
- Special Check 48 Complied with Special Check 48 by inspecting the AGB internal scavenge pump inlet screen in accordance with Pratt & Whitney maintenance manual 72-10-00. No defects noted at this time.

Log Entry 1 of 2

Routine Maintenance

- 79-00-00 Complied with oil analysis. Took sample of engine oil to send out for spectrometric oil analysis in accordance with Aviation Laboratories Aircraft Engine Analysis Kit.

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

Signed: *[Signature]* for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH
A/C TT: 2049.4hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
July 16, 2014

Gas Generator TT: 2049.4hr.
Power Section TT: 1954.4hr.
Gas Generator Cycles: 2059
Power Section Cycles: 1942

This engine has been inspected in accordance with a Medical Air Inc. Interim 100hr. Inspection.

Service Bulletins
- 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 (PWCMM3070902RV14) section 79-20-02.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV14) section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV14) section 73-10-07.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.
David K. Eastwood
David K. Eastwood AP2778982 for Medical Air Inc.

Engine Model :
Engine Serial # : RV0009
Engine TSN/TSO : 2,067.80 /
Engine CSN/CSO : 2,083 /
Engine Position : Front
Log Book : Engine Date : 7/31/2014



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Engine Inspection Items

- 05-00-00 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. *Turbine Oil: 68 2380 DE*

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: STP51237

Signed: *[Signature]* for Atlantic Aero, Inc. CRS#: EWGR752D



Pratt & Whitney
A United Technologies Company

Pratt & Whitney Engine Services, Inc.
710 Westlake Parkway
Atlanta, GA 30336-2920
FAA CRS # HN4R238M

ACFT TYPE:	ACFT. S/N: 356	ACFT. TTSN:	N/A	HOUR METER:
TBM 850	N# N228CH	ACFT. TCSN:	N/A	N/A
ENG MODEL	ENG SN#	ENG TTSN:	2,068.2	ENG TCSN: 2,084
PT6A-66D	PCE-RV0009	ENG. TSO	N/A	ENG. CSO N/A

Page 1 of 1
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 *9A991.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

DATE **5-Aug-2014** Approved Inspector *[Signature]* **Felix Hintz**

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



Pratt & Whitney
A United Technologies Company

Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY - CANADA	POWER SECTION MODULE ASSY.	PT6A-66D	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	1,748-1543

☐ Overhaul ☒ Repair

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 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

October 02, 2013

I certify the completion of the 100 hour Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: ZOO.DMAMMPXEE0R41, items specified in P&WC MM 3070902, REV.12 07 December 2012, section 72-00-00, #8 Periodic Inspection, Table 601 and is approved for return to service.

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

Special Inspection Items

- C/W Special Check #46 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM 3070902, REV.12. 07 December 2012. section 71-00-00, 6A and C.

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

UNC Medical Air Inc.



Gas Generator TT: 1768.5hr.
Power Section TT: 1673.5hr.
Gas Generator Cycles: 1748
Power Section Cycles: 1631

Engine Model : PT6A-66D

Engine Serial # : RV0009

Engine TSN/TSO : ~~1,872.607~~ 1777.6 hr. TI

Engine CSN/CSO : ~~1,881~~ 1764 DE

Engine Position :

Log Book : Engine Power

A/C Reg # : N228CH

Work Order # : STP49828

A/C Ser # : 356

A/C Time : 1,872.60

Date : 12/23/2013



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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. AD notes checked through Bi-Weekly 2013-25.

Signed:

for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model : PT6A-66D

Engine Serial # : RV0009

Engine TSN/TSO : ~~1,872.607~~ 1777.6 hr. TI

Engine CSN/CSO : ~~1,881~~ 1764 DE

Engine Position :

Log Book : Engine Power

A/C Reg # : N228CH

Work Order # : STP49828

A/C Ser # : 356

A/C Time : 1,872.60

Date : 12/23/2013



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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 approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: STP49828

Signed:

for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model : PT6A-66D

Engine Serial # : RV0009

Engine TSN/TSO : ~~1,953.907~~ 1,858.9

Engine CSN/CSO : ~~1,958~~ 1841 DE

Engine Position :

Log Book : Engine Power Section

A/C Reg # : N228CH

Work Order # : STP50217

A/C Ser # : 356

A/C Time : 1,953.90

Date : 3/21/2014



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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 service. AD notes checked through Bi-Weekly 2014-05.

Signed:

for Atlantic Aero, Inc. CRS#: EWGR752D

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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P&WC 6481 (2004-05)



Pratt & Whitney Canada

Une société de United Technologies/A United Technologies Company

**Pratt & Whitney Canada Cie./
Pratt & Whitney Canada Corp.**
7007, chemin de la Savane
St. Hubert, Québec
Canada J3Y 3X7

Fabricant - Manufacturer: PRATT AND WHITNEY CANADA		Désignation - Description: TURBOPROP POWER SECTION MODULE		Modèle - Model: PT6A-66D		N° de série - Serial No.: PS-RV0009	
Bon de vente - Sales Order: 178977		TSN 1673.5	CSN 1631	SSN N/A		FSN N/A	
Travail effectué - WorkPerformed: REPAIRED		TSO N/A	CSO N/A	SSO N/A		FSO N/A	

THIS POWER SECTION MODULE HAS BEEN INSPECTED, REPAIRED, MODIFIED, TESTED AND PROCESSED IN
A/W PT6A-66D OVERHAUL MANUAL REV. 9, MAINTENANCE MANUAL REV. 12, D.A.A. APPROVED DATA AND
SPECIFICATION G-PT6ALL REV.1.5.

- 1) ALL CANADIAN A.D.'S AND AMERICAN F.A.A. A.D.'S WERE VERIFIED AND THERE ARE NO APPLICABLE A.D.'S ON THIS MODULE.
- 2) MATED, TESTED WITH SLAVE GAS GEN MODULE, SLAVE P.T. VANE RING AND SHIPPED LESS.
- 3) TEST RUN PERFORMED AND FOUND SATISFACTORY

AUG 23 2013

Date _____

Vérificateur autorisé
Authorized Inspector

Lloyd Moore
PWC AND 20-00



T.C. AMO No. 20-00

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



Pratt & Whitney

A United Technologies Company

Manufacturer SOCATA	Description POWER SECTION MODULE	Model/Type PT6A-66D	Serial Number RV0009
Time Since New 1673.5	Cycles Since New 1587	Time Since Overhaul N/A	Cycles Since Overhaul N/A
Aircraft Type TBM700	Aircraft S/N 356	Aircraft Hobbs / TTSN 1673.5	Aircraft TCSN 1382

☐ Overhaul ☒ Repair

REMOVED POWER SECTION MODULE S/N: RV0009 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 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. A13320	Date JUL 03 2013	Approved Inspector: <i>Michael Harris</i>	

Form: ATL-3010S

Revised: Mar 2009

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



Pratt & Whitney

A United Technologies Company

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

☐ Overhaul ☒ Repair

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: <i>Michael Harris</i>	

Form: ATL-3010S

Revised: Mar 2009

Section 1: Record of engine maintenance and elementary work

Medical Air Operations

A/C TT: 1464.4

Engine Cycles: 1384

Dan K. East

David K. Eastwood AP2778982 for Medical Air Inc.

 **AtlanticAero**
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P.O. Box 35408 Greensboro, NC 27425
Tel 800-334-2001 Fax 336-668-4434
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05-20-02

I certify this ENGINE has been inspected in accordance with a continuous inspection program per FAR 91.409 (f)3. The following inspection 12 month/100 Hour Inspection was accomplished in accordance with the inspection and procedures for the program listed herein and the aircraft is approved for return to service.

Signed: *A. Long* for Atlantic Aero, Inc. CRS#: EWGR752D

 **AtlanticAero**
A GREENWICH AERODIGROUP COMPANY
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Tel 800-334-2001 Fax 336-668-4434
<http://www.atlantic-aero.com>

05-20-02

I certify this ENGINE has been inspected in accordance with a continuous inspection program per FAR 91.409 (f)(3). The following inspection 100 Hour Inspection was accomplished in accordance with the inspection and procedures for the program listed herein and the aircraft is approved for return to service.

Signed: W. Chaff for Atlantic Aero, Inc. CRS#: EWGR752D

A/C Reg # : N228CH
Work Order # : STP47592
A/C Ser # : 356
A/C Time : 1,535.20

Date : 3/11/2013

Signature

AME
ACA/AMO
SCA/AMO



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

05-20-05

Complied with Special Check 44 - Engine Borescope Inspection in accordance with Pratt & Whitney PT6A-66D Maintenance Manual 72-00-00. No defects noted at this time.

71-00-00-701

Complied with Special Check 46 - Engine Comp. Asses. Wash. No defects noted at this time. Work performed in accordance with Pratt & Whitney PT6A-64 Maintenance Manual 71-00-00.

72-00-00

Complied with Special Check 48 - Fuel Manifold Adapters & Nozzles Leak Test Due @ 1558.7 Hrs. Removed fuel nozzles and flow divider and sent for inspection/repair. Fuel nozzles and flow divider cleaned inspected and repaired by CRS# H1R069Y, WO# PO-1301308, dated March/06/2013. Installed inspected and repaired fuel nozzles in accordance with Pratt and Whitney maintenance manual part no. 3070902, 73-11-05.

72-00-00

Complied with Special Check 49 - Inspection of Fuel Pump Inlet Screen in accordance with Socata TBM850 maintenance manual 5-20-05.

72-00-00

Complied with Special Check 50 - Inspection of Fuel Pump Outlet Filter in accordance with Socata TBM850 maintenance manual 5-20-05.

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: STP47592

Signed: Charles H. Lee for Atlantic Auto, Inc. CRS#: EWGR752D

Log Entry 1 of 1

N228CH

Engine Model: PT6A-66D

Engine S/N: RV0009

5/17/2013

Medical Air Operations

A/C TT: 1612.2

Engine TT: 1612.2

Engine Cycles: 1571

I certify the completion of the 100 hour Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: ZOO.DMAMMPXEEOR41 and is approved for return to service.

Special Inspection Items

- C/W Special Check #46 Engine Compressor & Turbine Wash in accordance with P&WC MM 3070902, 24 FEB 2012, section 71-00-00, A and C.

Routine Maintenance

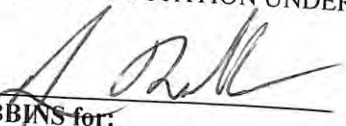
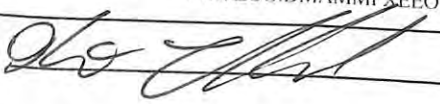
- Removed left and right ignitor plugs and installed new ignitors, P/N: CH34055, torqued and safetied.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings.
- Removed, electrosonic cleaned, inspected and re-installed oil filter screen with new O-rings.
- Checked RGB chip detector for continuity with ohmmeter.

Jeremy A. Greene AP3666293 For Medical Air

Section 1: Record of engine maintenance and elementary work

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 Date : 6/21/2012	 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	N228CH Engine Model: PT6A-66D Engine S/N: RV0009 9/14/2012	Medical Air Operations 	A/C TT: 1351.3 <i>Engine TT: 1351.3 hr</i> Engine Cycles: 1252
Routine Maintenance 05-12-00 I certify the Completion of the 100 hour ENGINE inspection in accordance with the TBM 700 Maintenance Manual P/N: ZOO.DMAMMPXEEOR40 and is approved for return to service. Signed: <i>[Signature]</i> for Atlantic Aero, Inc. CRS#: EWGR752D					
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 Date : 6/21/2012	 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			
Special Inspection Items Complied with special Check 50 Fuel Pump outlet Filter Inspect / Replace by installing a new filter P/N572744 in accordance with Pratt & Whitney PT6A-66D Maintenance Manual Section 73-10-02. SC-46 Complied with Special Check 46 - Engine compressor and turbine wash/rinse in accordance with Socata TBM 700 maintenance manual 71-00-00. 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: STP45761 Signed: <i>[Signature]</i> for Atlantic Aero, Inc. CRS#: EWGR752D					
N228CH S/N: 356 2 Aug. 2012 Removed Ignition Exciter P/N 10-381550-4E, S/N: NNA05454981. Installed Exciter P/N: 10-381550-4, S/N: NNA05152905, per PWC Maint. Manual P/N: 3070902, Rev. 11, 24 FEB 2012.. Exciter overhauled by Thrust-Tech Aviation, Inc. OTBR527K on Dec. 22, 2011. W.O. WOO56354. Ground Ops check-o.k. <i>Paul A. Cotrufo</i> Paul A. Cotrufo AP2775553			Medical Air Operations  Hobbs: 1310.2 Acft TT: 1310.2 Cycles: 1206		
			N228CH Engine Model: PT6A-66D Engine S/N: RV0009 01/10/2013		
			Medical Air Operations 		
			A/C TT: 1459.2 <i>Engine TT: 1459.2 hr</i> Engine Cycles: 1376		
			I certify the completion of the 300 hour Engine Inspection in accordance with (IAW) the TBM 700 Maintenance Manual, P/N: ZOO.DMAMMPXEEOR40 and is approved for return to service. Special Inspection Items - C/W Special Check #46 Engine Compressor & Turbine Wash. C/W IAW P&WC MM 3070902, 24 FEB 2012, section 71-00-00, para. A and C. - C/W Special Check #51 P3 Filter Clean with Ultrasonic Cleaner. C/W IAW P&WC MM 3070902, 24 FEB 2012, section 73-10-07, section 5. Ultrasonic cleaned P3 air filter, inspected and re-installed with new O-rings. - C/W Special Check #53 Inspect Engine Chip Detector. C/W IAW P&WC MM 3070902, 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 with new O-rings. <i>David K. Eastwood</i> David K. Eastwood AP2778982 for Medical Air Inc.		
			Customer File Stub Unit/Vehicle ID No. <u>N228CH</u> Serial No. <u>356</u> Date Mailed <u>1/13/2013</u> <u>1459.2 hr</u> Inquiries: 1-800-237-1369 / (919) 379-4102		
			WCM1 <u>271331</u> WearCheck sample kits will be replaced with unused kits if defective 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 material involved in any test or sample. The Company makes no warranties, representations, or guarantees with respect to the performance of any such engine, piece of equipment, or material.		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
October 12, 2011	N257JM TBM 850 S/N: 356	HOBBS: 1102.0 Hrs	TT: 1102.0 Hrs	 RICE LAKE AIR CENTER
	PT6A-66D S/N: PCE-RV0009	SHSI: 1102.0	TT: 1102.0	
	HC-E4N-3/E9083SK S/N: HH-4419	SPOH: 0.0	TT: 0.0	
Complied with a 100 hour inspection on this engine and propeller IAW FAR 43 appendix D. Removed and replaced Hartzell propeller model HC-E4N-3/E9083SK s/n HH-584 with new Hartzell propeller model HC-E4N-3/E9083SK s/n HH-4419 by Hartzell W.O. # M408210. Performed Pratt & Whitney periodic inspection. Inspected first stage compressor blades. Inspected oil filter. Inspected fuel control inlet filter. Removed and replaced outlet filter with new. Removed and replaced propeller de-ice brush block assembly with new. AD 2008-13-28 Propeller Hub DNA by propeller model. Engine run up performed with systems normal and no leaks noted. THE AIRCRAFT, ENGINE, PROPELLER, AND APPLIANCES DESCRIBED ABOVE WERE REPAIRED AND INSPECTED IAW CURRENT REGULATIONS OF THE F.A.A. AND ARE APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF WORK PERFORMED ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER #4017.				
SIGNED  JODE ROBBINS for: RICE LAKE AIR CENTER CRS # RL8R462J CAMERON, WI. 54822				
Engine Model PT6A-66D Engine Serial # PCE-RV0009 Engine TSN/TSO 1,158.30 / Engine CSN/CSO 1,009 / Engine Position Single Engine Log Book Engine A/C Reg # N257JM Work Order # STP44796 A/C Ser # 356 A/C Time 1,158.70 Date 3/22/2012  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				
Routine Maintenance 05-12-00) I certify the Completion of the 600 hour ENGINE inspection items in accordance with the TBM 700 Maintenance Manual P/N: ZOO.DMAMMPXEEOR40 and is approved for return to service. Signed  for Atlantic Aero, Inc. CRS# EWGR752D				
Engine Model PT6A-66D Engine Serial # PCE-RV0009 Engine TSN/TSO 1,158.30 / Engine CSN/CSO 1,009 / Engine Position Single Engine Log Book Engine A/C Reg # N257JM Work Order # STP44796 A/C Ser # 356 A/C Time 1,158.70 Date 3/22/2012  ATLANTIC AERO Greensboro, North Carolina PO Box 35408 Greensboro, NC 27425				
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 66D maintenance manual 72-60-00. 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  for Atlantic Aero, Inc. CRS# EWGR752D				

Engine Model PT6A-66D
Engine Serial # PCE-RV0009
Engine TSN/TSO 1,158.30 /
Engine CSN/CSO 1,009 /
Engine Position Single Engine
Log Book Engine

A/C Reg # N257JM
Work Order # STP44796
A/C Ser # 356
A/C Time 1,158.70
Date 3/22/2012

 **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

Special Inspection Items

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 HIR069Y 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.

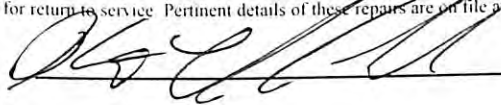
Special check 44 complied with by Dallas Airmotive under work order FS25763 on 2/16/2012. No defects were noted at this time.

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.

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  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:

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task								
 Teton Aviation Center 675 Airport Rd. Driggs, ID 83422 208-354-3100				Date: 9/8/2010 Hobbs: 899.7 Total Time: 899.7								
Installed new GE 4596 landing lamp in left wingtip, ops check good.				AIRFRAME Reg: N257JM Model: TBM 700 S/N: 356 W/O: MS-11-01136								
I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service. <i>Stephen Phillips</i> AP2815902				 MWAC Midwest Aviation Center Date: 18 February 2011 Hobbs: 1018.8 Served the oxygen system to full. The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order. Signed: <i>[Signature]</i> CRS #M9TR576Y 525 Turbine Ave, Chesterfield, MO (636)532-6155								
The New AVEX, Inc. C.R.S. X11R595Y 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 ENGINE S/N N257JM Work Order: 8718 TTSN: Date: 1/31/2011 Tach: Hobbs: 995.1 TCSN: TSO: CSO:				The New AVEX, Inc. C.R.S. X11R595Y 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 FAX (805) 389-3323 AIRFRAME Socata TBM 700 S/N: 356 N257JM Work Order: 8718 Date: 1/31/2011 Tach: Hobbs: 995.1 TTSN: TLSN: 1. Removed and replaced the left landing light lamp with new I.A.W. Socata MM Chapter 33. Op checks good. This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected in accordance with the current Federal Aviation Regulations and has been found to be in an airworthy condition for scope of work performed. Pertinent details of the repair/inspection are on file at this Repair Station under Work Order No. 8718. <i>Byron D. Guy</i> 1/31/11 Date For: FAA Approved Repair Station # X11R595Y (LBID:7593)								
Jackson Hole Aviation, LLC P.O. Box 3829 Jackson, WY 83001 (307) 733-4767 Performed inspection of RGB chip detector, RGB oil screen and main engine oil filter per P&W MM# 72-00-00. No debris found during inspections. Engine ok for continued service. "The Aircraft, Airframe, Engine, Propeller, or Appliance identified herein was repaired and inspected in accordance with current regulations of the Federal Aviation Administration, and in respect to the work performed, is approved for return to service in accordance with FAR 43.9" Pertinent details of the repair are on file at this repair station under W/O# 3796 Dated 2-4-11 and a copy is attached to the product maintenance record. Inspector: <i>[Signature]</i> for Jackson Hole Aviation, LLC CRS#J3HR633H				*****MUNCIE AVIATION CO.CRS#AJVR135C***** Special Inspections: 1 Yr 400,1000 Hr specials <table border="1"><thead><tr><th>Date</th><th>A/C Time</th><th>Eng.TT</th><th>Cycles</th></tr></thead><tbody><tr><td>3/23/2011</td><td>1027.6</td><td>1027.6</td><td>792</td></tr></tbody></table> C/W Annual/100 Inspection ref TBM Service manual chapter 5-20-02 Checked condition of Engine area Ok. Preformed Compressor Wash and "T" Wheel Rinse IAW Pratt & Whitney MM, Removed Fuel Nozzles and sent to Dallas Airmotive for cleaning and flow test see 8130 for details reinstalled ,torque and saftied C/W 400hr Hot Section Borescope Inspection by Dallas Airmotive DAY. Replaced "P-3" air filter with new unit P/N 3059788-01 replaced main oil filter with new unit P/N 7579522AM. Removed Starter/Gen for OVH. by Hoosier Aircraft Accessory. Reinstalled St/Gen P/N 8012F S/N 393 also replaced St/Gen drive seal with new unit P/N3059046-01. Propeller removed and sent to Hartzell for inspection due to loose blades in hub. Propeller found to be in unairworthy condition. Installed loaner prop from Rice Lake Air Center Mod# HC-E4N-3/E9083SK S/N HH-584 TSOH 817.8 TSN.2555.7 Engine ground run and filters checked IAW P&WC PT6A-66D MM Chap. 72-00-00 Section L (2) (a),(b), (c) part (d) due by March 30 2011 and 1052.6hr min. 1092.6hr. max. I certify that this Engine 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-RV0009 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 3/23/2011 Signed: <i>[Signature]</i> Inspector for MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141	Date	A/C Time	Eng.TT	Cycles	3/23/2011	1027.6	1027.6	792
Date	A/C Time	Eng.TT	Cycles									
3/23/2011	1027.6	1027.6	792									

Section 1: Record of engine maintenance and elementary work

[illegible]

Logbook-Entry

Aircraft Registration:	N257JM
Aircraft Type:	Socata TBM850
Serial Number:	356
Aircraft Hobbs Hrs:	699.2
Engine:	P&W PT6A-66D
Serial Number:	RV0009
Engine Total Hrs:	699.2
Propeller:	Hartzell HC-E4N-3/E9083S(K)
Serial Number:	HH2388
Propeller Total Hrs:	699.2

Date: 16. NOV 2009
Location: Rheinland Air Service Werft & Handel GmbH Mönchengladbach
Scope of Work: 100-hrs.-inspection i. a. w. Socata Maintenance Manual
Work i. a. w. RAS W/O 190733

Details of work:

Performed 100-hrs.-inspection i. a. w. SOCATA TBM700 Maintenance Manual

Performed Special Inspection Tasks 5, 16, 25, 45, 53, 99, 115, 121, 123, 124, 125, 126, 127, 129, 130, 131 i. a. w. SOCATA TBM700 Maintenance Manual

Performed 100-hrs.-inspection i. a. w. Pratt&Whitney scheduled Maintenance Check List.

Performed SB70-053A2, Elevator Trim Tab, as recurrent action. Found satisfactory. Next due with ACTT 799 hrs.

Performed SB70-118, Flap Actuator, as recurrent action. Found satisfactory. Cleaning next due with ACTT 799 hrs. Check next due with ACTT 905 hrs.

Performed SB70-129, Rivet Inspection at Frame C18 / C19, as recurrent action. Found satisfactory.

Performed SB70-179, Towing Bar Foam Pads. Found satisfactory.

Performed AD2007-03-17, Rivet Inspection at Frame C18 / C19, as recurrent action. Found satisfactory.

Checked AD2009-13-05, Oxygen System, for compliance. Aircraft not affected.

Checked AD2009-23-12, Oxygen System, for compliance. Aircraft not affected.

Removed detached edge sealer on lower cowlings. Cleaned areas and applied new sealant compound.

Refilled oxygen to max. value.

Cleaned all three landing gear actuators due to hydraulic fluid seepage. Checked after several gear-swings and found satisfactory. Please recheck with next scheduled maintenance event.

Reworked propeller-blades on front-faces and leading edges. Repainted blades on front- and rear-face, repainted signal-stripes on blade outer edges.

Cleaned aircraft exterior and polished windshields.

I certify that this aircraft/engine/propeller has been inspected in accordance with Socata Maintenance Manual and was determined to be in airworthy condition.

Michael U. Springl, A&P 3021570



SOCATA North America, Inc. North Perry Airport 7501 S. Airport Road, Pembroke Pines, FL 33023 / FAA CRS # URZR891L / EASA.145.5152

Registration N 257JM

Date October 22, 2010

Aircraft Type	TBM 850
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SN 356

W/O No. 4407

Meter Time 934.4

Hobbs

T. T. 934.4

Eng. PT6A-66D S/N RV0009 TSN. 934.4.
Performed 300h. Inspection per TBM 700 Maintenance manual chapter 05-20-03. Performed preliminary F.O.D. borescope inspection of first stage compressor blades, no defect. Performed ultrasonic cleaning of P3 air filter, inspected and re-installed with new O-rings. Removed, cleaned, inspected and re-installed oil filter with new O-rings. C/W SB 14395R3 Replaced the bolts, the nuts and the washers of the FCU connector rod end at the propeller cam box location with the pre SB 14395 bolt configuration. Performed compressor/turbine wash IAW Pratt & Whitney maintenance manual chapter 71-00-00. Installed new L/H Igniter gasket P/N 3010880. Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked, found satisfactory and no leak noted.

manufacturer's recommendations and leak checked, found satisfactory and no leak noted.

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. # 4407 Date: 10/22/2010

Signature: *W. Thompson* CRS # URZR891L / EASA.145.5152

I certify that this Aircraft Engine Propeller Appliance has been inspected ~~reported~~ in accordance with 3004.
inspection per Socata M.M. & Far 43 and determine to be in
Airworthy condition. Pertinent details on file under
W.O. # 4407 and copy given to customer.
Acrit. E.L. 934.4
Engine E.L. 934.4
Prop. T.L. 934.4
Signature K. Phamplona Date 10.22.2010
CRS # UR7R8911 EASA 145.5152

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
21 JAN 09	586 ⁰⁰					
				I certify that this aircraft has been repaired in accordance with maintenance manual 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 repair station under work report: 13/09 Name : GONZALEZ J		
				Stamp : date 22 JAN 2009		
23 April 2009						

Stamp:  date 22 JAN 2009

23. April 2009

Logbook Entry

Aircraft Registration	N257JM
Aircraft Type	Socata TBM850
Serial Number	356
Aircraft Total Hrs	604 8
Engine	P&W PT6A-66D
Serial Number	RV0009
Engine L/H Total Hrs	604 8
Propeller L/H	Hartzell HC-E4N-3/E9083S(K)
Serial Number	HH2388
Propeller Total Hrs	604 2

Date: 23.10.2023
Location: Rheinland Air Service Werft & Handel GmbH Mönchengladbach
Scope of Work: 600-hrs -check i a w SOCATA Maintenance Manual
Work i a w RAS W/O 190204

Details of work:

Performed 600-hrs.-inspection i. a. w. SOCATA TBM700 Maintenance Manual

Performed the following Special Inspection Tasks i. a. w. SOCATA TBM700 Maintenance Manual:
2, 4, 6, 7, 8, 12, 15, 16, 25, 28, 33, 34, 35, 37, 43, 45, 47, 48, 49, 52, 53, 57, 59, 62, 63, 64, 68,
71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133
Altimeter and transponder test i. a. w. FAR Part 43 E/F performed by IAE, FAA CF Rep -Station
16EY448N. See IEA Form No. 8A, dated 30 JUL 2008. Next due with JUL 2010.

Performed ELT-Test i. a. w. FAR 91.207d (1-4), found satisfactory. Battery due date OCT 2010.

Performed Compass Swing.
Performed Starter Generator Brush Check and found within Manufacturers Limits. Next due with
AC TT 1205 hrs.

Replaced Fuel Pump Outlet Filter by new Next due with ACTT 1205 hrs.

Removed, cleaned and inspected Fuel Pump Inlet Filter Next due with ACTT 1205 hrs.

Replaced Fuel Unit Filter by new Next due with ACTT 1200 hrs.

Performed Fuel Nozzle Check and found satisfactory Next due with A/C
Performed Hot Section Borescopic Inspection coincide with Fuel Nozzle Check Found
satisfactory Details see CD dated 08 04 2009 attached with this file Recommended due date
ACTT 1005 hrs.

with ACTT 705 hrs. Bolted Hinge Fittings, for compliance SB

Checked SB70-080A1, Horizontal Stabilizer Outboard Hinge Fittings, for compliance SB
 at Factory. No further Action required. *Next due*

Performed SB70-118, Flap Actuator, as recurrent action. Found satisfactory. Cleaning next due with ACTT 905 hrs. Check next due with ACTT 905 hrs.

Performed SB/O-118, Prop. Adaptor. **Next due with ACTT 905 hrs.**
 with ACTT 705 hrs, Check next due with ACTT 905 hrs.
 Performed AD2007-03-17, Rivet Inspection at Frame C18 / C19, as recurrent action. Found
 satisfactory. **Next due with ACTT 705 hrs.**
 Compliance. Propeller not affected.

Satisfactory. Next due with ACTT 705 hrs.

Checked AD2006-24-07, Propeller Blades, for compliance. Propeller not affected.

Checked AD2008-19-06, Alternator and Vapor Cycle Cooling System Pulley Drive Assy, for compliance. Aircraft not affected.

Checked AD2008-19-06, Propeller 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 indications can be verified.

checked GNS Data-Cards.

seconds, times within 15 seconds limit as given in GSAW. Test
Indication during Test and found satisfactory.
cleaned Fuel Filter Bowl during Filter Replacement due to heavy Contamination.
replaced L/H TXP Antenna by new. Functional Check performed and found satisfactory.
checked Wiring of SHADIN ETM Key for Identification, removed old Socket, replaced Backshell
and functional Check and found satisfactory.

placed L/H T&P Antenna by new. Functional Check performed and ok.
checked Wiring of SHADIN EIM Key for Identification. removed old Socket, replaced Backshell
and reconnected detached Wires. Performed functional Check and found satisfactory.
placed R/H Ignitor Plug by new. Functional Check performed and ok.
applied Tubing Spiral at L/H Mt. G Brake Line to avoid further chafing at Structure in Wheel Well.
checked on several Locations

Applied Tubing Spiral at L/H M/G Brake Line to avoid further chafing at Structure in Wheel Well
attached Velcro-Tape on several Locations
placed Bonding Wire at L/H M/G.

placed Bonding Wire at L/H MLG.

placed Bose Head Set Jack next to Door by new
placed Headset Jack at R/H rear Position
formed Replacement of Bearings on All Central Bracket

Formed Replacement of Bearings on Aft Central Bracket

Signature

AME
ACA/AMO
SCA/AMO

Logbook Entry

Aircraft Registration	N257JM
Aircraft Type	Socata TBM850
Serial Number	356
Aircraft Total Hrs.	604 8
Engine:	P&W PT6A-66D
Serial Number	RV0009
Engine L/H Total Hrs:	604 8
Propeller L/H:	Hartzell HC-E4N-3/E9083S(K)
Serial Number	HH2388
Propeller Total Hrs.	604 2

Date: 23. April 2009
Location: Rheinland Air Service Werft & Handel GmbH
Scope of Work: Annual Inspection i. a. w. FAR Part 43D
Work i. a. w. RAS W/O 190204

Details of work:

For details see scope of work 600-hrs -inspection performed by. Mr
A&P 3021579.

I certify that this aircraft/ engine/ propeller has been inspected in an Annual Inspection and was determined to be in an airworthy condition

Signature _____

Page 4

Airframe	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N-3	TSO	CSO
TTSN: 400.3 hrs T/LSN: 326 Idgs CSN: 326 Cys	S/no PCE-RV0009			400.30	326	S/No HH2388	400.30	326
As at: 13/12/2007								

I certify 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-weekly 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 compliant. NFA required.

Following maintenance actions carried out:

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 Pendley Date 13 Dec 2007

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

_logbw frx

A/C REG. # N 257JM DATE 05 AUG 2008
TOTAL A/C TIME 57 HRS. TACH TIME 49

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN/CIRCLE ONE ANNUAL/100 HR INSPECTION AS PER 06708 AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE Graham Corbin A+P 2675624 IA
CERTIFICATE NO/TYPE

GRAHAM CORBIN

ALL FAA ADS TO BINGHAM 2007/15

Mass Appreciation

TBM700 S/No 356

Airframe	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N-3	TSO	CSO
TSN: 400.3 hrs LSN: 326 Idgs CSN: 326 Cys	S/no PCE-RV0009			400.30	326	S/No HH2388	400.30	326
As at: 13/12/2007								

Engine run up and performance checks carried out with all satis in operation.

Next sheduled maintenance due at 483.6hrs due to previous over run or in May 2008

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 Pending Date 13 Dec 2007

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

logbw frx

A/C REG. # N 25734 DATE 05 AUG 2008
TOTAL A/C TIME 57 HRS. TACH TIME 94

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER 26709 AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE [Signature] A+P 2675624 IA
CERTIFICATE NO./TYPE

GRAHAM CORBIN

ALL FAA ADS TO BINGHAM 7200/15

None Applicable

[illegible]

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
11 APR 07	283 ⁶⁰				I certify that this aircraft has been repaired in accordance with 3cc /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 repair station under work report: RT 70 /07 Next inspection : 100 H at 383 ⁶⁰ Name : GONZALEZ J.		
23 Novemb 07	400 30				Stamp: [Signature] date: 10 MAY 2007 I certify that this aircraft has been repaired in accordance with 3cc /VA inspection at 400 30 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 repair station under work report: 239 /2007 Name : GONZALEZ Stamp: [Signature] date: 30/Novembre/2007		

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
12 DEC 2005	0.0	0.0	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.		
06 APRIL 2006	0.0	0.0	0.0	Solenoid Valve installed according instructions. Work performed in accordance with applicable standards of airworthiness.	N. TOTH	
10 Avril 2006	2 ^h 00	0.0	2	Vol d'essai constructeur		
12 Avril 2006	3 ^h 20	0.0	3	Vol d'essai constructeur		
19 Avril 2006	5 ^h 50	0.0	4	Vol d'essai constructeur		
24 Avril 2006	6 ^h 40	0.0	5	Vol d'essai constructeur		
28 Avril 2006	7 ^h 15	0.0	7	Vol d'essai constructeur		
03 Mai 2006	7 ^h 55	0.0	9	Vol d'essai constructeur		
				Arrêté présent livret à la SOCAT le 03/05/2006 au total de 7 ^h 55 Visa du Département Qualité		
15 DEC 2006	201	1	300			

This Power Section module is combined with Gas Generator.
S/N: PCE- R V0009

NG/NO 34850 RPM, at 850 SHP/810

ITT Trim: 8.2 C°

T5 Trim resistance: 112.9 Ohms

to SB 14000 R3 item 1 and SI P&WC No. 39.2005R2

A/C REG. # 1257JH DATE 25 AUG 2006
TOTAL A/C TIME 102 HRS. TACH TIME 102

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER 1257JH AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE GRAHAM CORBIN CERTIFICATE NO./TYPE A+P 2675624 IA

ALL FMS ADS TO BELLEVUE 2006/17 none applicable

OIL SAMPLE TAKEN FROM SATISFACTORY

Compressor work carried out

25 AUG 2006

A/C REG. # 1257JH DATE 15 DEC 2006
TOTAL A/C TIME 201 HRS. TACH TIME 201

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER 1257JH AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SIGNATURE GRAHAM CORBIN CERTIFICATE NO./TYPE A+P 2675624 IA

FMS ADS TO BELLEVUE 2006/26 none applicable

OIL Sample taken results satisfactory

Compressor work carried out

ECR Performance on engine oil Satisfactory

15 DEC 2006

Volume #: /

Opened on: 12 DEC 2005

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series PT6A- 66D B/S: 1198

3. Serial Number PS- RV0009