



Transport
Canada

Transports
Canada

TP 14182E



(Revised 05/2005)

Engine Logbook

GAS GENERATOR MODULE LOG BOOK

Canada

[illegible]

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 check-out good. No leaks detected.

Jeremy A. Greene AP3665293 for Medical Air Inc.

N228CH S/N: 356

A/C TT: 4395.2hr.

Engine Model: PT6A-66D

Engine S/N: PCE-RV0009

July 7, 2023

Gas Generator TT: 4109.3hr.

Power Section TT: 4014.3hr.

Gas Generator Total Cycles: 4621.0

Power Section Total Cycles: 4504

Engine TSO: 593.9hr.

Engine CSO: 861

- In reference to Propeller Lightning Strike Inspection P&WC MM 3070902, Rev. 24 (PWCMM3070902Rv24.0), dated April 10, 2023 Chapter 72-00-00, paragraph N (3) (d), performed the following maintenance on PCE-RV0009:

- Removed oil filter element, inspected, electrosonic cleaned, and re-installed using new O-rings per (PWCMM3070902Rv24.0), section 79-20-02. No metallic debris was found at this time, returned engine to standard inspection intervals.
- Ground ran engine, ops checked good, no leaks found at this time.

David K. Eastwood AP2773982

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 1A2778982 for Medical Air Inc.

Pratt & Whitney
A United Technologies Company

Pratt & Whitney Engine Services, Inc.
1527 Midway Park Road
Bridgeport, WV 26330
FAA CRS # L2QR166Y

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>

Page 1 of 1

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

Date: 13 April 2023

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

N228CH S/N: 356
A/C TT: 4364.7hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
April 21, 2023

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

See preceding P&WC logbook entry dated, April 13, 2023 for the P&WC MRT's complete report

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&W/C MM Paragraph 5(a)(b) & 7.

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

*After 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 solenoid for arcing, no defects noted at this time. Reinstalled starter/generator with new O-ring torqued and safetied IAW Dahser TBM Maintenance Manual,

E.N: DMAMMPXEEGR49, 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 3070992, REV23, dated October 10, 2022. Chapter 73-10-02.

* Ground ran engine. Gas 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
Paul A. Cotrufo IA2775553

N228CH
S/N: 356
Power Section: 3860.6 hrs TT
Power Section total cycles: 4282
Power Section TSO: 440.2 hrs.

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

April 11, 2022 Aircraft TT: 4241.5 hrs. Landing cycles: 4526
Found 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed new solenoid valve, P/N: 3032083, S/N: ARKA000A171 with new o-ring, P/N: AS3208-04. Ground ran aircraft per PWC MM 3070902, Rev. 22 11/APR/22, Section 71-00-00 (15.A) (BS1198) Confirmed proper torque limiter operation and 850 mode normal.

Paul A. Cotrufo
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 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 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 : 3988.6 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.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
Pratt & Whitney Engine Services, Inc. 1525 Midway Park Road Bridgeport, WV 26330 Certificate Number LMIR301K  Pratt & Whitney A United Technologies Company				

Manufacturer PRATT & WHITNEY		Description ENGINE, TURBOPROP	Model/Type PT6A-66D	Serial Number PCE-RV0009
ENGINE SECTION	Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
Gas Generator	3737.8	4047	222.4	287
Power Section	3642.8	3930	222.4	287

P.T. Vane Class: 23.15 5S1

Pratt & Whitney Engine Services, Inc.
1525 Midway Park Road
Bridgeport, WV 26330
Certificate Number LM1R301K



Pratt & Whitney
A United Technologies Company

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

☐ Overhaul ☒ Repair

DESCRIPTION OF WORK ACCOMPLISHED AND REFERENCE DOCUMENTATION:

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

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

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

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

Signed: Bradley H. H. H. (PWN 65)

Date: 13 APR 2020

PWV-3096 (FEB 15)

Signed: Bradley R. Mills
BRADLEY R. MILLS, AUTHORIZED INSPECTOR
Export Classification: ECCN 9E991

 <b style="font-size: 1.2em;">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	ACFT. TTSN: 4,023.7	HOUR METER: 4,023.7
	N #: N228CH	ACFT. TCSN: 4,174	
ENG. MODEL: PT6A-66D	ENG S/N: PCE-RV0009	ENG. TTSN: See Below	ENG. TCSN: See Below
		ENG. TSO: See Below	ENG. CSO: See Below

Page 1 of 1

ENGINE ASSY:

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

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

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

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

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

Date: 27 Apr 2020 Approved Inspector: *Phil S. Ringer* 

Export Classification: ZECCN 9A101.a.
 Date: 04/27/2020 Badge: E-PW647539

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

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



Michael Harris

N228CH
A/C TT: 3838.0hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
August 21, 2019

Gas Generator TT: 3613.3hr.
Power Section TT: 3518.3hr.
Gas Generator Cycles: 3899
Power Section Cycles: 3782

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

Jeremy A. Greene AP3666293 for Medical Air Inc.

N228CH
A/C TT: 3903.6hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
October 21, 2019

Gas Generator TT: 3678.9hr.
Power Section TT: 3583.9hr.
Gas Generator Cycles: 3980
Power Section Cycles: 3863
Engine TSO: 163.5
Engine CSO: 220

Special Inspection Items

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

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV18.1), section 79-20-02.
- C/W P&WC SIL No. PT6A-206R2 by leaving the Exhaust Duct Drain out and performing an engine drying run at 80% NG for 2 minutes. After engine shutdown reinstalled and safetied cap.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV18.1), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV18.1), section 73-10-07.
- Removed, inspected and reinstalled front chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.
- I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV18.1, dated April, 10 2017 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service.

Jeremy A. Greene AP3666293 for Medical Air Inc.



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	ACFT. TCSN: 4096	REG. #: N228CH	ENG. TTSN: 3737.8 GG	ENG. TCSN: 4047 GG	ENG. TSO: 222.4	ENG. CSO: 287
TBM 850								
ENG. MODEL:	ENG. SN#							
PT6A-66D	PCE-RV0009							

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

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 LMIR301K



Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY	GAS GENERATOR MODULE	PT6A-66D	PCE-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
3585.9	3860	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 P&WC 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 POWER SECTION MODULE, S/N: PS-RV0009, AND TESTED IN ACCORDANCE WITH THE OVERHAUL MANUAL.

ITT TRIM: 76.2°F. 42.3°C. TRIM RESISTANCE: 26.8Ω
C.T. TRIM BALANCE WEIGHTS: G06N E22N N/R N/R
C.T. BAFFLE CLASS: 09 BOV SEAT CLASS: 17

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, AUTHORIZED INSPECTOR

PWV-3096 (FEB 15)

Technical data NOT classified more restrictively than ECCN 9E991

 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: 212361			
Date 17 Jul 2019	Approved Inspector: 		
RSCF GEN-041 (Apr 13)		Export Classification: ECCN 9E991 Date: 14/05/2013 Badge: E-PW42025	
Page 1 of 1			

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

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 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:	3515.4	ENG. TCSN:	3760
PT6A-66D	GG-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 Z00.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:	3585.9	ENG. TCSN:	3860
PT6A-66D	GG-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.DMAMMPXEEOR47 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
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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:	ACFT. TTSN:	HOUR METER:
TBM 850	356	3638.0	N/A
	REG. #: N228CH	ACFT. TCSN: 3672	
ENG. MODEL:	ENG. SN#	ENG. TTSN:	ENG. TCSN:
PT6A-66D	PCE-RV0009	3515.4	3760
		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

Signature	AME ACA/AMO SCA/AMO
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Pratt & Whitney
A United Technologies Company

Pratt & Whitney Engine Services, Inc.
1525 Midway Park Road
Bridgeport, WV 26330
Certificate Number LM1R301K

Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY	GAS GENERATOR MODULE	PT6A-66D	PCE-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
3515.4	3760	0.0	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 GAS GENERATOR 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 POWER SECTION MODULE, S/N: PS-RV0009 PRIOR TO TEST.

ITT TRIM: 63.5°F. 35.3°C. TRIM RESISTANCE: 30.3Ω
C.T. TRIM BALANCE WEIGHTS: G20N, G22N, N/R, N/R
C.T. BAFFLE CLASS: 9 BOV SEAT: 16

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

PWV-3096 (FEB 15)

Signed: PWV 65
BRADLEY R. MILLS, AUTHORIZED INSPECTOR
Technical data NOT classified more restrictively than ECCN 9E991

Section 1: Record of engine maintenance and elementary work

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

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, 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.

DAHER

FAA CRS # URZR891L / EASA.145.5152

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

Date : 06/27/2018 Serial Number : 356 Registration : N228CH Aircraft type : TBM 700
Meter Time : 3436.4 Hobbs Time Since New : 3436.4 Cycle Since New : 3450 Work Order : 6378

- Eng. PT6A-66D S/N GG-RV0009 TSN. 3313.8 CSN. 3538.
- Performed a Standard Program - B+/Annual inspection IAW TBM Maintenance manual chapters 05-20-03/05-20-05. 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 400 hrs. Removed and sent fuel inlet nozzle P/N 3119856-01 S/N 08-05 and fuel duplex nozzles P/N 3119855-01 for inspection and flow test by SouthEast Turbines CRS # E7BR231O, W.O. TS7199, date 08/Jun/2018 and re-installed with new pre-formed packings and gaskets IAW Pratt & Whitney maintenance manual chapter 73-11-05. CW SB 13486, SB 14357R2. SB 14495 at this shop visit.
- In conjunction with fuel nozzles removal, performed a borescope inspection of hot section, no defect noted.
- C/W P&WC SIL PT6A-213 Inspected engine compressor inlet case for corrosion, no defect noted at this inspection. Applied an approved corrosion inhibitor compound "Corrosion X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213.
- Performed compressor, turbine desalination wash per Pratt & Whitney maintenance manual chapter 71-00-00.
- Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked found satisfactory and no leak noted.

The aircraft Airframe, Engine, 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. # 6378,
Date : 06/27/2018 Signature: *K. Phongsavath* Kam Phongsavath
CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared 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 : 3313.8 Prop T.T : 212.5
Signature : *K. Phongsavath* Kam Phongsavath
Date : 06/27/2018 CRS # URZR891L / EASA 145.5152

N228CH
A/C TT: 3527.3hr.
Engine Model: PT6A-66D
Engine S/N: RV0009
September 21, 2018

Gas Generator TT: 3404.7hr.
Power Section TT: 3309.7hr.
Gas Generator Cycles: 3638
Power Section Cycles: 3521

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

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

Jeremy A. Greene AP3666293 for Medical Air Inc.

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

- 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 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.



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

A/C REGISTRATION:		AIRCRAFT S/N:	HOBBS:
N228CH		356	3223.9
ENG MANUFACTURER	ENG TYPE/MODEL:	ENG SER. NUMBER:	
PRATT & WHITNEY CANADA	PT6A-66D	PCE-RV0009	
ENG TSN	ENG CSN	ENG TSO	ENG CSO
3101.3	3306	N/A	N/A

PERFORMED FOD BLEND REPAIR OF 2 EACH FIRST STAGE COMPRESSOR BLADES ON ENG S/N PCE-RV0009. REINSTALLED INLET SCREEN. ALL WORK PERFORMED WITH REFERENCE TO PRATT AND WHITNEY CANADA MAINTENANCE MANUAL PN 3070902 REVISION 18.1 DATED 27-JULY 2017 AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINSTRATOR. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT REPAIR STATION UNDER WORK ORDER NO. RPR47675. -----END-----

DATE: 10/23/2017 SIGNATURE:



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

- Routine Maintenance**
- 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.

[illegible]

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.



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 : 2144.2

Cycle Since New : 2449

Work Order : 6051

- Eng. PT6A-66D S/N. PCE-RV0009 TSN. 2988.6 HSI. 1315.1 CSN. 3149.
- ✓ 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 detectors, 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 # E7BR2310, 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 : 2988.6 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: 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)

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 : 2988.6

Cycle Since New : 3149

Work Order : 6051

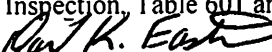
- Eng. PT6A-66D S/N. PCE-RV0009 TSN. 2988.6 HSI. 1315.1 CSN. 3149.
- Performed a Standard Program - C+/Annual inspection IAW TBM Maintenance manual chapters 05-20-04/05-20-05. 14 CFR 91.409(a)(1) and Part 43 Appendix D.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor 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 detectors, 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 # E7BR2310, 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

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

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

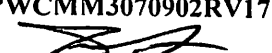
Special Inspection Items
- **Daher-Socata Special Check #39 Engine Boroscope Inspection** was complied with by Dallas Airmotive, Cert.No.YRR6491L, Paul McKinny, Order no. FS46251, dated 4/13/2016. See logbook entry for details.
I certify this Engine has been inspected in accordance with (IAW) a Daher-Socata "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.

David K. Eastwood AP2778982 for Medical Air Inc.

N228CH S/N: 356
A/C TT: 2820.8hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
July 15, 2016

Gas Generator TT: 2698.2hr.
Power Section TT: 2603.2hr.
Gas Generator Cycles: 2819
Power Section Cycles: 2702

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 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.

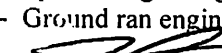
Routine Maintenance
- **P&WC SB No. 14507R1 Inspection of Interconnect Rod** previously C/W P&WC SB No. 14507, April 25, 2016, 2725.2hr. Aircraft Total Time. Safety cable installed correctly. No interference found.
- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new 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. (PWCMM3070902RV17)


Jeremy A. Greene AP 3666293 for Medical Air Inc.

N228CH S/N: 356
A/C TT: 2916.3hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
October 13, 2016

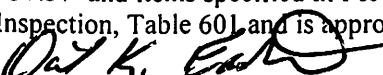
Gas Generator TT: 2793.7hr.
Power Section TT: 2698.7hr.
Gas Generator Cycles: 2948
Power Section Cycles: 2831
1 of 2

Special Inspection Items
- **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.
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 (PWCMM3070902RV17.1) 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.


Jeremy A. Greene AP 3666293 for Medical Air Inc.

N228CH S/N: 356
A/C TT: 2916.3hr.
Engine Model: PT6A-66D
Engine S/N: PCE-RV0009
October 13, 2016

Gas Generator TT: 2793.7hr.
Power Section TT: 2698.7hr.
Gas Generator Cycles: 2948
Power Section Cycles: 2831
2 of 2

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)

David K. Eastwood AP2778982 for Medical Air Inc.

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 (PWCMM3070902RV116.1 TR72-7), section 79-20-02.
- Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV16.1 TR 72-7), section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV16.1 TR72-7), section 73-10-07.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP3666293 for Medical Air Inc.

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:

DAI
281

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.

Signature

AME
ACA/AMO
SCA/AMO

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

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

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

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

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
David K. Eastwood AP2778982 for Medical Air Inc.

Customer File Stub

Unit/Vehicle ID No. N228CH
Serial No. 356
Date Mailed _____
Inquiries: 1-800-237-1369 / (919) 379-4102

WCM1 307165

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.

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

- 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 6C.
 - 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 A. Greene
Jeremy A. Greene AP3666293 for Medical Air Inc.

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

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

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
Jeremy A. Greene AP 3666293 for Medical Air Inc.

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

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

October 15, 2015

- **C/W Daher Special Check 41 Engine Compressor Desalination & Turbine Wash** in accordance with (IAW) P&WC MM 3070902, REV.16.1 August 13,2015, (PWCMM3070902RV16.1) section 71-00-00, 6A and 6C.
- **C/W Daher Special Check 46 Inspect, Clean P3 Filter & P3 Filter Drain Valve Housing.**
- Inspected and cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV16.1) section 73-10-07.
- Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV16.1) section 73-10-07.

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per (PWCMM3070902RV16.1), section 79-20-02.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene
Jeremy A. Greene AP 3666293 for Medical Air Inc

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

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

October 15, 2015

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

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

N228CH S/N: 356

A/C TT: 2334.4hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

April 13, 2015 2 of 2

Gas Generator TT: 2211.8hr.

Power Section TT: 2116.8hr.

Gas Generator Cycles: 2234

Power Section Cycles: 2117



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.
- Inspected and cleaned P3 air filter, inspected and re-installed with new O-rings per

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task



Pratt & Whitney
A United Technologies Company

☐ Overhaul ☒ Repair

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.

Form: ATL-3010S Export Classification: 9E991

Revised: May 2013



A/C REGISTRATION:	AIRCRAFT S/N:	HOBBS:
N228CH	356	2334.4

ENG TSN	ENG CSN	ENG TSO	ENG CSO
2211.8	2234	N/A	N/A

DATE: 03/31/2015

SIGNATURE

REPAIR STATION UNDER WORK



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.

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

- 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.

3664293

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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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 8

Fabricant - Manufacturer: PRATT & WHITNEY CANADA	Désignation - Description: TURBOPROP GAS GEN MODULE		Modèle - Model PT6A-66D	No de série - Serial No: PCE- RV0009
Order de vente - Sale order: 184595	TSN 2167.7	CSN 2189	SSN N/A	FSN N/A
Travail effectué - Work performed: REPAIRED	TSO N/A	CSO N/A	SSO N/A	FSO N/A

THIS GAS GEN 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
O. 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

ORIGINAL OIL FILTER INSTALLED. ORIGINAL FUEL FILTER INSTALLED.

TESTED WITH SLAVE IGNITION EXCITER AND SHIPPED LESS.

TESTED AND SHIPPED WITH POWER SECTION MODULE : S.N. PS-RV0009.

TEST RUN PERFORMED AND FOUND SATISFACTORY.

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

C.T. TRIM WEIGHTS: E08N G24N E25N N/R

EXPORT CONTROL CLASSIFICATION : THIS DOCUMENT CONTAINS NO TECHNICAL DATA

22 Jan 2015

Date (YY-MM-DD)

1 more

Vérificateur autorisé

Authorized Inspector

Lloyd Moore
PWC AMO 20-00



T.C AMO No 20-00

[illegible]

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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~~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 8

Fabricant - Manufacturer: PRATT & WHITNEY CANADA	Désignation - Description: TURBOPROP GAS GEN MODULE		Modèle - Model PT6A-66D	No de série - Serial No: PCE- RV0009
Bon de vente - Sale order: 184595	TSO 2167.7	CSN 2189	SSN N/A	FSN N/A
Travail effectué - Work performed: REPAIRED	TSO N/A	CSO N/A	SSO N/A	FSO N/A

THIS GAS GEN MODULE HAS BEEN INSPECTED BY TSO

HIS GAS GEN MODULE HAS BEEN INSPECTED, REPAIRED, MODIFIED, TESTED AND PROCESSED IN A/W PT6A-66D
OVERHAUL MANUAL REV.10, MAINTENANCE MANUAL REV. 14, APPROVED DATA AND SPECIFICATION
O. 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

ORIGINAL OIL FILTER INSTALLED. ORIGINAL FUEL FILTER INSTALLED.
TESTED WITH SLAVE IGNITION EXCITER AND SHIPPED LESS.
INSTALLED, TESTED AND SHIPPED WITH POWER SECTION MODULE : S.N. PS-RV0009.
FIRST RUN PERFORMED AND FOUND SATISFACTORY.

C.T. VANE AREA: 7.21 (NOT DISMANTLED) P.T. VANE AREA: 23.36 CAVITY: 5S1
C.T. TRIM WEIGHTS: E16N G37N N/R N/R

PORT CONTROL CLASSIFICATION : THIS DOCUMENT CONTAINS NO TECHNICAL DATA

12 Jan 2015
Date (YY-MM-DD)

Vérificateur autorisé
Authorized Inspector

Lloyd Moore
PWC AMO 20-00

T.C AMO No 20-00

[illegible]

Section 1: Record of engine maintenance and elementary work

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	Gas Generator Module, Complete	PT6A-66D	PCE-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
2,167.7	2,189	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



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

710 Westlake Parkway

Atlanta, GA 30336-2920

FAA CRS # HN4R238M

ATL 3010S-A

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:
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/repared/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: 183318_RV0009

DATE: 5-Aug-2014

Approved Inspector:

Felix Hintz



Felix Hintz

Engine Model: PT6A-66D

Engine Serial #: RV0009

Engine TSN/TSO: 2,086.40 / (Gas Gen.)

Engine CSN/CSO: 2,103 /

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

Gas Generator
AtlanticAero
A GREENWICH AIRCRAFT COMPANY
P.O. Box 35408 Greensboro, NC 27425
Tel 800-334-2001 Fax 336-668-4434
http://www.atlantic-aero.com

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 those repairs are on file at this repair station under Work Order Number: STP51432

Signed:

David K. Eastwood

for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

A/C TT: 2079.1hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

August 14, 2014

- 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.

Gas Generator TT: 2079.1hr.
Power Section TT: 1984.1hr.
Gas Generator Cycles: 2094
Power Section Cycles: 1977

N228CH

A/C TT: 2137.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

September 30, 2014

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. Inspected and cleaned inlet screen filter. Installed both filters with new o-rings. Work performed IAW (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

David K. Eastwood AP2778982 for Medical Air Inc.

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

N228CH

A/C TT: 2143.6hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

10-6-2014

- Removed engine bleed valve assembly, P/N: 3059835-01, S/N: 1000616 and installed original bleed valve P/N: 3059835-01, S/N: AHX004466 using same valve seat IAW (PWCMM307090RV14) Section 75-30-00, #5.
- Ground ran engine, ops check normal, no leaks detected.

Jeremy A. Greene AP3666293 for Medical Air Inc.



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

710 Westlake Parkway

Atlanta, GA 30336-2920

FAA CRS # HN4R238M

ATL 3010S-A

ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN:	N/A	ACFT. TCSN:	N/A	ACFT. CSO:	N/A
TBM 850	N#: N228CH	ACFT. TTSN:	N/A	ACFT. TCSN:	N/A	ACFT. CSO:	N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN:	2,068.2	ENG. TCSN:	2,084	ENG. CSO:	N/A
PT6A-66D	PCE-RV0009	ENG. TSO	N/A	ENG. CSO	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 IAW 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: EDW42172; Date: 8/5/14

This engine has been inspected/repared/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: 183318_RV0009

DATE: 5-Aug-2014

Approved Inspector:

Felix Hintz

Felix Hintz

Engine Model: PT6A-66D

A/C Reg #: N228CH

Engine Serial #: RV0009

Work Order #: STP51432

Engine TSN/TSO: 2,086.40 / (Gas Gen.)

A/C Ser #: 356

Engine CSN/CSO: 2,103 /

A/C Time: 2,086.40

Engine Position: Single Engine

Log Book: Engine

Date: 8/25/2014

Gas Generator

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

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:

David K. Eastwood
for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

A/C TT: 2079.1hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

August 14, 2014

- 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.

Gas Generator TT: 2079.1hr.

Power Section TT: 1984.1hr.

Gas Generator Cycles: 2094

Power Section Cycles: 1977

N228CH

A/C TT: 2137.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

September 30, 2014

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. 14, 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. Inspected and cleaned inlet screen filter. Installed both filters with new o-rings. Work performed IAW (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
David K. Eastwood AP2778982 for Medical Air Inc.

Gas Generator TT: 2143.6hr.

Power Section TT: 2048.6hr.

Gas Generator Cycles: 2153

Power Section Cycles: 2036

N228CH

A/C TT: 2143.6hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

10-6-2014

- 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.

Engine Model :	PT6A-66D	A/C Reg # :	N228CH	 AtlanticAero A GREENWICH AEROGROUP COMPANY P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com
Engine Serial # :	RV0009	Work Order # :	STP50217	
Engine TSN/TSO :	1,953.90/	A/C Ser # :	356	
Engine CSN/CSO :	1,958/	A/C Time :	1,953.90	
Engine Position :				
Log Book :	Engine <i>Bus Gen</i>	Date :	3/21/2014	

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.

Engine Model :	PT6A-66D	A/C Reg # :	N228CH	 AtlanticAero A GREENWICH AEROGROUP COMPANY P.O. Box 35408 Greensboro, NC 27425 Tel 800-334-2001 Fax 336-668-4434 http://www.atlantic-aero.com
Engine Serial # :	RV0009	Work Order # :	STP50217	
Engine TSN/TSO :	1,953.90/	A/C Ser # :	356	
Engine CSN/CSO :	1,958/	A/C Time :	1,953.90	
Engine Position :				

Log Book :	Engine <i>Gas Gen</i>	Date :	3/21/2014
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	Complied with P3 Filter Cleaning in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter 72-00-00.
Special Check 38	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 40	Complied with Special Check 38 Engine Borescope in accordance with Socata TBM850 aircraft maintenance manual chapter 05-20-05.
Special Check 42	Complied with Special Check 40- Engine Compressor & Turbine Wash in accordance with Socata TBM850 aircraft maintenance manual chapter 05-20-05.
Special Check 46	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# H11R069Y, 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 48	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.
	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.

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



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



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

Engine Inspection Items

05-00-00 I certify this ENGINE has been inspected in accordance with an ANNUAL / B+ inspection and is approved for return to service.
AD notes checked through Bi-Weekly 2014-05.

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

Engine Model :	PT6A-66D	A/C Reg # :	N228CH
Engine Serial # :	RV0009	Work Order # :	STP50217
Engine TSN/TSO :	1,953.90 /	A/C Ser # :	356
Engine CSN/CSO :	1,958 /	A/C Time :	1,953.90
Engine Position :			
Log Book :	Engine <i>Gas Gen</i>	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# H1IR069Y, under work order PO-1401268. Reference 8130 dated 11/March/2014. All work performed with reference to Pratt & Whitney maintenance manual 73-11-05.
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:  for Atlantic Aero, Inc. CRS#: EWGR752D

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

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 AP2778982 for Medical Air Inc.

Engine Model :	A/C Reg # :	N228CH
Engine Serial # : RV0009	Work Order # :	STP51237
Engine TSN/TSO : 2.067.80/	A/C Ser # :	356
Engine CSN/CSO : 2.083 /	A/C Time :	2.067.80
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.

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. Permanent details of these repairs are on file at this repair station under Work Order Number: STP51237

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

Section 1: Record of engine maintenance and elementary work

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



Manufacturer	Description	Model/Type	Serial Number
PRATT & WHITNEY - CANADA	GAS GENERATOR MODULE ASSY.	PT6A-66D	PCE-RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
1,768.5	1,748	N/A	N/A
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	Aircraft TCSN
SOCATA TBM 850	356	1,768.5	1,748 1543 P52

☐ 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.DMAMMPXEEOR41. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE IN RESPECT TO THE WORK PERFORMED.

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 / <i>Gregory A. Phillips</i> 

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
UNC Medical Air Inc.
AHEC
Gas Generator TT: 1768.5hr.
Power Section TT: 1673.5hr.
Gas Generator Cycles: 1748
Power Section Cycles: 1631

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

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,872.60 /
Engine CSN/CSO : 1,881 /
Engine Position :
Log Book : Engine *Gas Gen*
A/C Reg # : N228CH
Work Order # : STP49828
A/C Ser # : 356
A/C Time : 1,872.60
Date : 12/23/2013



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: *Gregory A. Phillips* for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,872.60 /
Engine CSN/CSO : 1,881 /
Engine Position :
Log Book : Engine *Gas Gen*
A/C Reg # : N228CH
Work Order # : STP49828
A/C Ser # : 356
A/C Time : 1,872.60
Date : 12/23/2013



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: *Gregory A. Phillips* for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH
Engine Model: PT6A-66D
Engine S/N: RV0009
2/11/2014
Medical Air Operations
AHEC
A/C TT: 1918.8
Engine TT: 1918.8
Engine Cycles: 1924

- Removed oil filter screen, electrosonic cleaned, inspected and re-installed oil filter screen with new O-rings IAW P&W MM 79-20-02, Cleaning and Inspection. No defects noted. Ground ran aircraft and no leaks detected.

Jeremy A. Greene AP3666293 For Medical Air

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
SOCATA	POWER SECTION MODULE	PT6A-66D	RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
1673.5	1587	N/A	N/A
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	Aircraft TCSN
TBM700	356	1673.5	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	Description	Model/Type	Serial Number
SOCATA	POWER SECTION MODULE	PT6A-66D	RV0009
Time Since New	Cycles Since New	Time Since Overhaul	Cycles Since Overhaul
1673.5	1631	N/A	N/A
Aircraft Type	Aircraft S/N	Aircraft Hobbs / TTSN	Aircraft TCSN
TBM850	356	1673.5	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

Signature

AME
ACA/AMO
SCA/AMO



AtlanticAero
A GREENWICH AEROGROUP COMPANY

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

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,673.50 /
Engine CSN/CSO :
Engine Position : N/A
Log Book : Engine

A/C Reg # : N228CH
Work Order # : STP48524
A/C Ser # : 356
A/C Time : 1,673.50
Date : 7/12/2013

Engine Inspection Items

- 05-00-00 Power section removed by Pratt & Whitney CRS # HN4R238M. See Pratt & Whitney log entry dated 10-Jul-2013, sales order 178575_RV0009.
Loaner power section installed by Pratt & Whitney CRS # HN4R238M.
See Pratt & Whitney log entry dated 10-Jul-2013, sales order 178575_RV0009.
- 05-00-00 Complied with Special Check 46 - Compressor Performance Recovery Wash in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter 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: STP48524

Signed: *Michael Harris* for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,673.50 /
Engine CSN/CSO :
Engine Position : N/A
Log Book : Engine

A/C Reg # : N228CH
Work Order # : STP48524
A/C Ser # : 356
A/C Time : 1,673.50
Date : 7/12/2013

Engine Inspection Items

- 05-00-00 I certify this ENGINE has been inspected in accordance with an 600 HOUR inspection and is approved for return to service.
AD notes checked through Bi-Weekly 2013-13.

Signed: *Michael Harris* for Atlantic Aero, Inc. CRS#: EWGR752D

Section 1: Record of engine maintenance and elementary work

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

N257JM Date 6/15/2010 A/C Time 820.8 Eng.TT 820.8 Cycles 667
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,

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. T0785 Date 6/15/2010
Signed [Signature] Inspector for MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



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

Special Inspections: 1 Yr 400,1000 Hr specials

N257JM Date 3/23/2011 A/C Time 1027.6 Eng.TT 1027.6 Cycles 792

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 [Signature] Inspector for MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,535.20 /
Engine CSN/CSO : 1,475 /
Engine Position : N/A
Log Book : Engine

A/C Reg # : N228CH
Work Order # : STP47592
A/C Ser # : 356
A/C Time : 1,535.20
Date : 3/11/2013

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

Special Inspection Items

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

Engine Model : PT6A-66D
Engine Serial # : RV0009
Engine TSN/TSO : 1,535.20 /
Engine CSN/CSO : 1,475 /
Engine Position : N/A
Log Book : Engine

A/C Reg # : N228CH
Work Order # : STP47592
A/C Ser # : 356
A/C Time : 1,535.20
Date : 3/11/2013

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

Special Inspection Items

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: [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

ATL 3010S-A

ACFT. TYPE:	ACFT. S/N: 356	ACFT. TTSN: 1673.5	HOUR METER:
SOCATA TBM850	N#: N228CH	ACFT. TCSN: 1426	N/A
ENG. MODEL:	ENG. SN#	ENG. TTSN: 1673.5	ENG. TCSN: 1631
PT6A-66D	PCE-RV0009	ENG. TSO N/A	ENG. CSO N/A

Page: 1 of 1
REMOVED POWER SECTION MODULE PS-RV0009 FROM GAS GENERATOR MODULE GG-RV0009 TO COMPLY WITH P&WC SB 14398R3. REMOVED PT VANE RING ASSY P/N 3040972CL01 S/N CYHRD01 F/C: 23.27 FROM POWER SECTION MODULE PS-RV0009. REMOVED HOT SECTION COMPONENTS TO COMPLY WITH HOT SECTION INSPECTION. H.S.I COMPLIED WITH BY PWES - ATL. REINSTALLED HOT SECTION COMPONENTS. INSTALLED PT VANE RING ASSY P/N 3040982 S/N CYHRD01 F/C: 23.27 IN POWER SECTION MODULE PS-RV0001. MATED POWER SECTION MODULE PS-RV0001 TO GAS GENERATOR MODULE GG-RV-0009. PERFORMED LEAK CHECKS AND GROUND PERFORMANCE RUN WITH SATISFACTORY RESULTS. ALL WORK PERFORMED I/A/W P&WC MAINTENANCE MANUAL P/N 3070902 REV. #12, DATED DEC 07 2012.

PS-RV0009 TSN: 1673.5 CSN:1631 GG-RV0009 TSN 1673.5 CSN: 1631
PS-RV0001 TSN: 177.5 CSN:173 GG-RV0009 TSN 1673.5 CSN: 1631

EXPORT CONTROL CLASSIFICATION
This document does not contain technical data

This engine has been inspected/repared/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: 178575_RV0009

DATE: 10-Jul-2013

Approved Inspector:

Jose Ortiz

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
8 FEB 10	720 ⁰⁰			1. Servicing of engine repaired in service manual condition. No safety condition. The engine is in good service condition. On file at this reporting station. Report: 32/10 Name: GONZALEZ J Stamp: (NSI 33) date MARCH 08 2010		

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

Performed 100-hrs-inspection i. a. w. SOCATA BLM700 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 BLM700 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.

Signature Michael U. Springl Michael U. Springl, A&P 3021579

I certify that _____ has been repaired in
 accordance with the _____ manual.
 Condition of _____ is _____ condition.
 The _____ service
 was performed on _____ Month 14Y
 For more information, please call or file at this
 repair shop _____ toll: 32/10
 Name: GONZALEZ J
 Stamp:  date MARCH 08 2010



Teton Aviation Center
675 Airport Rd.
Driggs, ID 83422
208-354-3100

Date: 8/4/2010

Tach Time:

Total Time:

Jacked aircraft, removed right main wheel and tire assembly. Installed new Michelin tire P/N 033-631-0 and new orings in wheel P/N's M83461/1-261 and M83461/1-145. Serviced tire with nitrogen and reinstalled on gear.

I certify that the repairs/inspections identified above were performed in accordance with FARs and is approved for return to service.

Repairs/inspections identified above were performed in accordance with FA
e. Stephen Thibault AP 2815902



LOG BOOK ENTRY
N257JM
TBM700 S/No 356

Page 1 of 2
JOB NO 10094/EN

Airframe	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N-3	TSO	CSO
TTSN: 400.3 hrs TLSN: 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-weeklys checked upto 2007-23 and the following AD's actioned.

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

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

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

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

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

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

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

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

Airframe	Engine PT6A-66D	TSO	CSO	TSN	CSN	Propeller HC-E4N-3	TSO	CSO
TTSN: 400.3 hrs TLSN: 326 Idgs TCSN: 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. Pendley Date 13 Dec 2007

Signature

AME
ACA/AMO
SCA/AMO

- see attached log book cert for
10099/EN Note: next scheduled maintenance
previous over run or in May 2008.

A+P Pending

130 Oct 2007

A/C REG. # N 25+JMI DATE 05 AUG 2008
TOTAL A/C TIME 805 HRS. TACH TIME 145

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN
ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100-HR
INSPECTION AS PER 1110530-2 AND WAS
DETERMINED TO BE IN AN AIRWORTHY CONDITION.

[Signature] A+P 2675624 IA
SIGNATURE CORBIN CERTIFICATE NO./TYPE
ALL CAPS ADD TO BEU ONLY 2008/15
NONE APPLICABLE

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

Section 1: Record of engine maintenance and elementary work

[illegible]

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 and inhibiting run completed satisfactorily and is in condition for safe operation.	This Gas Generator module is combined with Power Section. S/N: PS- RV0009 NG/VQ 34850 RPM, at 850 SHP / 8V6 ITT Trim: 8.2 C° T5 Trim resistance: 112.9 Ohms	N. TOTH	(C) T.C. 4-58 NO. 028
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 SOCATA le 03/05/2006 au total de 7 ^H 55 Visa du Département Qualité			
15 DEC 2006	201	0	300		A/C REG. # N257 JM 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 MMDS 20 05 AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. SIGNATURE [Signature] A+P 2675624 IA CERTIFICATE NO./TYPE		
					A/C REG. # N257 JM 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 MMDS 20 05 AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. SIGNATURE [Signature] A+P 2675624 IA CERTIFICATE NO./TYPE		
					GRAHAM CORBIN AL FOR ADS B BRUOKLYN 2006/25 DOCS ADRESSEE Oil Sample taken monthly Feb Compressor work carried ECR Performance no carried at Seton		
							A+P 2675624 IA 15 DEC 2006

Volume #: 1

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 PCE- RV0009