

Engine Logbook GAS GENERATOR MODULE LOG BOOK



N228CH A/C TT: 4505.4hr.

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

February 22, 2024

Gas Generator TT: 4219.5hr. Power Section TT: 4124.5hr.

Gas Generator Cycles: 4774 **Power Section Cycles: 4657**

Engine TSO: 704.1 Engine CSO: 1014

Special Inspection Items

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

Routine Maintenance

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

Jeremy A. Greene AP3666293 for Medical Air Inc.

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N228CH Gas Generator TT: 4087.5hr. A/C TT: 4373.4hr. Power Section TT: 3992.5hr. **Engine Model: PT6A-66D** Gas Generator Cycles: 4584 Engine S/N: RV0009 **Power Section Cycles: 4467** May 17, 2023 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 reinstatled chip detector with new o-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this time. - I certify that this engine has been inspected in accordance with P&WC MM 3070902, REV24.0, dated April 10, 2023 section 71-00-00 #8 periodic inspection table 601 (100hr) and is approved for return to service. Ground ran and operational checkout good. No leaks detected. Jeremy A. Greene AP3666293 for Medical Air Inc. Gas Generator TT: 4109.3hr. N228CH S/N: 356 Power Section TT: 4014.3hr. A/C TT: 4395.2hr. **Engine Model: PT6A-66D** Gas Generator Total Cycles: 4621.0 Engine S/N: PCE-RV0009 Power Section Total Cycles: 4504 July 7, 2023 Engine TSO: 593.9hr. Engine CSO: 861 In reference to Propeller Lightning Strike Inspection P&WC MM 3070902, Rev. 24 (PWCMM3070902Rv24.0), ciated 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. avid K. Eastwood AP2773982

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

Power Section TT: 4021.2hrs. Gas Generator Cycles: 4636 **Power Section Cycles: 4519** Engine TSO: 600.8hrs. Engine CSO: 876 1 of 2

Gas Generator TT: 4116.2hrs.

- 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 !AW (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.

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

| ACFT. TYPE: SOCATA TBM 850 ENG. MODEL: PT6A-66D | ACFT. S/N: 356 | ACFT. TTSN: 4,364.7 | HOUR METER: N/A | |
|--|-----------------------|----------------------|----------------------|--|
| | N#: N228CH | ACFT. TCSN: 4,695 | | |
| | 4 | ENG. TTSN: See Below | ENG. TCSN: See Below | |
| | ENG SN# PCE-RV0009 | ENG. TSO: See Below | ENG. CSO: See Below | |

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

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

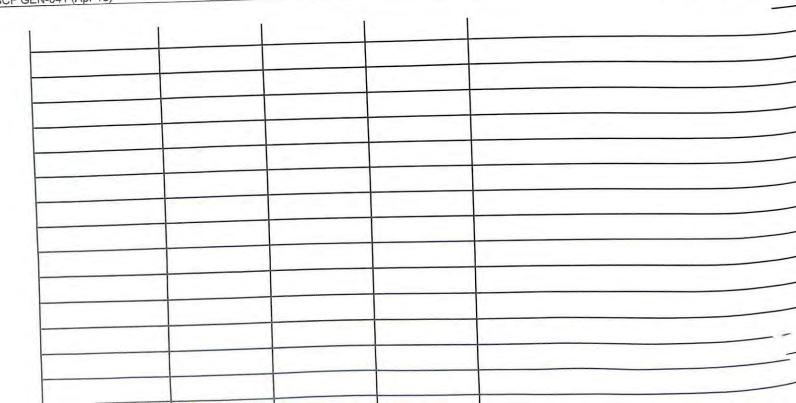
With respect to the work performed above, this engine has been inspected in accordance with current regulations of the Federal Aviation Administration. Pertinent details of the work performed are on file at this agency under Sales Order: 233928

Approved Inspector: Felix S. Hintz III Filis (112) Date: 13 April 2023

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

RSCF GEN-041 (Apr 13)

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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 October10,2022 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) Allcwable debris. Oil analysis report, dated: March 30, 2023 from Spectro.

* Removed oil filter, both chip detectors and oil strainer for inspection. Found small hair-like filament on forward RGB chip detector, (fuzz) Cleaned oil filter, no magnetic particles found. Reinstalled filter and chip detectors and oil strainer with new O-rings, torqued and safetied Sample oil and patch test was sent for oil analysis and found to be allowable.

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

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

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

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

*After prop overhaul, reinstalled propeller, ran engine for 10 mins, at 80%, shutdown engine, removed and Enspected/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 desectors to inspect and clean in 25 hours due to lightning strike.

* Removed starter/generator, inspected splines for arching, no defects noted at this time. Reinstalled starter/generator with new O-ring torqued and safetied IAW Daher TBM Maintenance Manual, E/N: DMAMMPXEE0R49, Chapter 24-30-03, pg. 401-405.

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

* Replaced fuel control outlet filter with new filter, P/N: 3059779-01, O-rings and safetied. Work performed IAW P&WC MM 3070902, PEV23, dated October 10, 2022. Chapter 73-10-02.

* Ground ran engine, was checked good, no leaks found at this time. Complied with a performance run, all readings good at this time.

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.

| 228CII AC TT 4178.1 hr. Power Section TT 3.592.2 hr. Power Section 1201.6 hr. TT Gas Gent 1305.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1304.0 4 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1304.0 4 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1304.0 4 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Power Section 1201.6 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. TT Gas Gent 1304.0 2 hr. Gas Gent 1305.0 hr. Gas | tion 1: Record of engine maintenance | and elementary work | | |
|--|---|--|-----|--|
| Special Basection Itans CVP Engine Compressor Desalination & Turbine Rime in accordance with (PWCMM3079902RV19.9), section 71-00-00, 6A and c. Removed oil filter cleaner 4, impected, and re-installed using new o-rings per Paul A. Cotrufo A. Arc cagine shadows reinstalled using new o-rings per CVP MEMORY DAY bearing the Schaust Discussion and approximation and special resolution of the state of the schaust of the schaust Discussion and the schaus | A/C TT: 4178.1 hr. Engine Model: PT6A-66D Engine S/N: RV0009 | Power Section TT: 3797.2 hr. Gas Generator Cycles: 4294 Power Section Cycles: 4177 Engine TSO: 376.8 | 400 | Power Section: 3860.6 hrs TT Power Section total cycles: 4282 Power Section TSO: 440.2 hrs. April 11, 2022 Aircraft TT: 4241.5 hrs. Equal 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed Found 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed Found 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed Found 850 solenoid valve stuck closed. Removed 850 solenoid valve, P/N: 3032083, S/N: 1375T. Installed |
| Cleaned P3 at fifther housing fairnt valve assembly to perfect change of P3 at fifther, inspected and re-installed with the W-rings per Cleaned P3 at fifther, inspected and re-installed with the W-rings per Cleaned P3 at fifther, inspected and re-installed with the W-rings per Cleaned P3 at fifther, inspected and re-installed with the W-rings per Cleaned P3 at fifther, inspected and re-installed with the W-rings per Cleaned P3 at fifther, inspected and re-installed with the W-rings, roqued and safetied. No metal found at this time. Performed Decreased and reliable ROBEA ROB field placetors with new o-rings, roqued and safetied. No metal found at this time. Performed Decreased and reliable ROBEA ROB field placetors. No defects. 1-400 hr fael nozale cleaning/flow check: Removed fined nozzles. Reinstalled nozzles with new gaskets after cleaning/flow check performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas Aimotive. See preceding logbook entry. 1-400 hr borsoope inspection performed by Dallas A | C/W Engine Compressor Desalination & Tursection 71-00-00, 6A and C. Routine Maintenance Removed oil filter element, electrosonic cleaned (PWCMM3070902RV19.0), section 79-20-02. | bine Rinse in accordance with (PWCMM3070902RV19.0), I, inspected, and re-installed using new o-rings per | | operation and 850 mode normal. Jacob A. Coltrago Medical Air Inc. |
| See FAA Form \$1.20 100 ht horsecope inspection performed by Dallas Airmotive. See preceding logbook entry Drained and replaced engine oil with same type brand, Acroshell 560 CW by SLL PT6A-213 by applying corrosion inhibitor to engine inlet struts. - Prover Section TSO, 473.2, TC, 4850, Power Section TT, 3893.6, TC, 4358.0, Gas Gen. TSO 473.2, TC, 4850 Power Section TSO, 473.2, TC, 4850 Performed a Sharedard Program - C. Adminial inspection AW TBM Maintenance manual chapter 95.20.40465-20.05, 14 CFR 91-40866 - Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes, no effect found Performed preliminary of the program - C. Adminial inspection of engine first stage compressor takes and the recommendation of the program of the program - C. Adminial inspection of engine in the composition of the program | at 80% NG for 2 minutes. After engine shutdown Cleaned P3 air filter housing drain valve assemble. Performed electrosonic cleaning of P3 air filter, (PWCMM3070902RV19.0), section 73-10-07. Removed, inspected, and reinstalled RGB&AGI found at this time. Cabin chip light tested good a Performed 200 hr Visually inspection AGB oil section of the fael nozzle cleaning/flow check: Removed | or reinstalled and safetied cap. Oly per (PWCMM3070902RV19.0), section 73-10-07. Inspected and re-installed with new O-rings per B chip detectors with new o-rings, torqued and safetied. No metal this time. Orecen. No defects. Orecen. No defects. Orecen. Reinstalled nozzles with new gaskets after. | | DAHER FAA CRS # URZR891L / EASA.145.5152 601 NE 10th Street Pompano Beach, FL 33060 Date: 10/03/2022 Serial Number: 356 Registration: N228CH Aircraft type: TBM 700 |
| | See FAA Form 8130. - 100 hr borescope inspection performed by Dalla - Drained and replaced engine oil with same type/- C/W by SIL PT6A-213 by applying corrosion in Jeremy A. Greene for Medical Air Inc. N228CH Aircraft TT: 4178.1 hrs Engine: PT6A-66D S/N: RV0009 August 24, 2021 - Complied with operational check of ignit - Ground ran and operational check good I certify that this engine has been inspected in act MM 3070902, REV20.0, dated April 12, 2021 seand is approved for return to service. August 24, 2021 - Colonia and operational check good I certify that this engine has been inspected in act MM 3070902, REV20.0, dated April 12, 2021 seand is approved for return to service. | 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 ers. Ops check o.k. No leaks detected. | | 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. 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(and Part 43 Appendix D. Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found. Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found. Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect found. Performed ultrasonic cleaning P3 filter. Cleaned/Inspected P3 filter drain valve housing assy and filter bowl. Re-installed with new O-rings P/N AS3209-120, AS3209-143. Removed engine oil filter, cleaned, inspected and re-installed with new O-rings P/N AS3209-120, AS3209-143. Removed engine oil filter, cleaned, inspected and re-installed with new O-rings P/N AS3209-120, AS3209-143. Performed bridge check and continuity of chip detector, no defect noted. 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 application of the properties of the presence of t |

N228CH Gas Generator TT: 3745.5hr. N228CH S/N: 356 Power Section TT: 3650.5hr. A/C TT: 4031.4hr. Gas Generator Total Cycles: 4064 Engine Model: PT6A-66D Power Section Total Cycles: 3947 Engine S/N: PCE-RV0009 March 3, 2021 Engine TSO: 230.1hr. July 1, 2020 Engine CSO: 304 1 of 2 Maintenance Items - Complied with (C/W) Pratt & Whitney Canada, (P&WC) 100hr. P&WC Engine Compressor Desalination & Turbine Rinse in accordance with (PWCMM3070902RV18.1), section 71-00-00, 6A and C. - C/W P&WC 100hr.Inspection, Cleaning of P33 Filter & P3 Filter Drain Valve Housing. Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV18.1), section 73-10-07. Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per (PWCMM3070902RV18.1), section 73-10-07. - C/W a P&WC 100hr. Chip Detectors Inspection. Removed, inspected and reinstalled front and rear chip detectors with new O-ring, torqued and safetied. No metal found at this time. Cabin chip light tested good at this - C/W P&WC SIL No. PT6A-213 Compressor Inlet Case Corrosion Prevention. Inspected engine compressor inlet case for corrosion, no defects noted at this inspection. Applied an approved corrosion inhibitor compound. "Corrosion X" on inlet case area as required IAW (PWCMM3070902Rev.18.1) section 72-00-00 as specified in 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. Gas Generator TT: 3745.5hr. N228CH S/N: 356 Power Section TT: 3650.5hr. A/C TT: 4031.4hr. Gas Generator Total Cycles: 4064 Engine Model: PT6A-66D Power Section Total Cycles: 3947 Engine S/N: PCE-RV0009 Engine TSO: 230.1hr. July 1, 2020 Engine CSO: 304 2 of 2 - 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. 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. Davik East David K. Eastwood 1A2778982 for Medical Air Inc.

A/C TT: 4117.2hr. Engine Model: PT6A-66D Engine S/N: RV0009

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

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

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per
- 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

- Removed, inspected and reinstalled chip detector with new o-ring, torqued and safetied. No metal found at this
- 1 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

Aircraft Mfg. Type: TBM 700 Engine Type: PT6A-66D Reg #: N228CH Customer: MEDICAL AIR INC.

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. Work Performed: PERFORMED BURESCOPE INSPECTION ON ENGINE S/N PCE-I
ALL WORK PERFORMED WITH REFERENCE TO PRATT AND WHITNEY CANADA ALL WORK PERFURMED WITH REFERENCE TO FRATE AND WHITNEY CANADA MAINTENANCE MANUAL P/N 3070902 REVISION 20.0 DATED 12-APR-2021 AND OTHER MAINTENANCE MANUAL PIN 30/10302 REVISION 20.0 DATED 12-, 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 This certifies that the work requested by the customer and described on the sales order listed belo accomplished and inspected with reference to instructions for continued airworthiness, other data accomplished and inspected with reference to instructions for continued airwortniness, other data acceptable to the FAA and current FAA regulations, and with respect to the work performed, is approved acceptable to the FAA and current earlies of this repair are on file at this FAA Codificated Date of the province of this repair are on file at this FAA Codificated Date of the province of this repair are on file at this FAA Codificated Date of the province of this repair are on file at this FAA Codificated Date of the province of the prov acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the FAA and current FAA regulations, and with respect to the work performed, is appropriately acceptable to the work performed.

Date: 03-AUG-2021

Work Order: RPR57781

Signature

NOTE: Given the nature of borescope instrumentation it is often not possible to make observations and examine all areas of NOTE: Given the nature of porescope instrumentation to some more 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 an individual engine as part or an evaluation. Dosed on this initiation, pages controlled, the trained and upon not warrant its findings for borescope evaluations (pre-purchase and otherwise) against the possibility that hidden damage may exist that mongs for objective evaluations (pre-partitions and otherwise) against the provided by our technician at the time of the evaluation.

engine maintenance and elementary work

docu

| Date // | Time since new | Time s overh | ince aul | Total cycles | | Details of task | .4 |
|---|--|---|-------------------------|--------------------------|--|--|---------|
| ratt & Whitney Engin 525 Midway Park Ros | ad | | | | | whitney hologies Company | |
| ridgeport, WV 26330 ertificate Number LN | л л1R301К | | D. Jak | ion | Model/Type | Serial Number | |
| Aspufacturer | | | Descript | E, TURBOPROP | PT6A-66D | PCE-RV0009 | |
| PRATT | & WHITNEY Time Sinc | | Cyc | les Since New | Time Since Overhaul | Cycles Since Overhaul | |
| ENGINE SECTION | 3737 | | | 4047 | 222.4 | 287 | |
| Gas Generator | | | , | 3930 | 222.4 | 287 | |
| Power Section | 3642 | 8 | | | 3S9 P.T. Vane Class: | 23.15 5S1 | |
| Overhaul DESCRIPTION OF W | ⊠ Re | pair | | /ane Class: 7.22 | | | |
| MANUAL, P/N: 3070900 P&WC APPROVED DO INSTALLED NEW: 0 ITT TRIM: 75.9°F. | OCUMENTATION A CT DISK P/N: 305374 42.2°C. TRIM RESE WEIGHTS: | AND/OR ENC 40-01, S/N: Y SISTANCE: G06N EX | GINEERIN (UAB001 | IG DOCUMENTATION | JN ACCEPTABLE TO THE | ICE WITH P&WC OVERHAUL TED 10 APR 2017; AND OTHER ADMINISTRATOR. | _ |
| This engine has been re | epaired and inspected as been determined to | T: 16 in accordance be airworthy | e with cur with resp | rrent regulations of the | e Federal Aviation Administra med. Pertinent details of the | ation and is approved for return to work performed are on file at this | <u></u> |
| This engine has been re | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILLS, AUTHORI ort Classification: ECCN | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |
| C.T. BAFFLE CLASS This engine has been reservice. This engine has agency under sales order Date: 13 APR 202 | epaired and inspected as been determined to er No. 217211. | T: 16 in accordance be airworthy | | Signed: BRADLI | EY R. MILES, AUTHORI | ZED INSPECTOR | |



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

Bridgeport, WV 26330 FAA CRS # L2QR166Y

| ACFT. S/N: 356 | ACFT. TTSN: 4,023.7 | HOUR METER: 4,023.7 | |
|----------------|--------------------------------|--|--|
| N #: N228CH | ACFT. TCSN: 4,174 | | |
| ENG S/N: | ENG. TTSN: See Below | ENG. TCSN: See Below | |
| PCE-RV0009 | ENG. TSO: See Below | ENG. CSO: See Below | |
| | 356 N #: N228CH ENG S/N: | 356 N #: N228CH ACFT. TTSN: 4,023.7 ACFT. TTSN: 4,174 ENG S/N: ENG. TTSN: See Below | |

Page 1 of 1

ENGINE ASSY:

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

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

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

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

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

Date: 27 Arp 2020

Approved Inspector:

Export Classification: ZECCN 9A101.a.

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

Page 25



RSCF GEN-041 (1/4/2013)

Pratt & Whitney Engine services, Inc.

1527 Midway Park Road Bridgeport, WV 26330

FAA CRS # L2QR166Y

| ACFT. TYPE: | ACFT. S/N: 356 | ACFT. TTSN: 3812 | 9 HOUR METER: | |
|-------------|----------------|------------------|---------------|-------|
| TBM 850 | REG. #: N228CH | ACFT. TCSN: 39 | 2 | N/A |
| ENG. MODEL: | ENG. SN# | ENG. TTSN: | A ENG. TCSN: | N/A |
| PT6A-66D | PCE-RV0009 | ENG. TSO: 72 | .8 ENG. CSO: | 103.0 |

Page 1 of 1

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

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

Gas Generator Cycles: 3899

Power Section Cycles: 3782

N228CH A/C TT: 3838.0hr.

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

August 21, 2019

- Removed oil filter element, P/N: 3059257-01 and installed a new oil filter P/N: 3059258-01 using all new orings per (PWCMM3070902RV47.0), section 79-20-02.

Performed P&WC Special Instruction No. 106-2015R2, oil analysis taken.

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

AD2666202 for Medical Air Inc

| Jeremy A. | 1 | or Medical Air | 1 1 | |
|-----------|---|----------------|-----|---|
| | | | | |
| | | | | _ |
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| | | | | |

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.

Peremy A. Greene AP3666293 for Medical Air Inc.



RSCF GEN-041 (1/4/2013)

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

Bridgeport, WV 26330 FAA CRS # L2QR166Y

| ACFT. TYPE: | ACFT. S/N: 356 | ACFT. TTSN: 3962.50 | HOUR METER: | |
|-------------|----------------|----------------------|--------------------|--|
| TBM 850 | REG. #: N228CH | ACFT. TCSN: 4096 | N/A | |
| ENG. MODEL: | ENG. SN# | ENG. TTSN: 3737.8 GG | ENG. TCSN: 4047 GG | |
| PT6A-66D | PCE-RV0009 | ENG. TSO: 222.4 | ENG. CSO: 287 | |

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

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

No Technical Data

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

DATE: 5-Jan-2020

Approved Inspector:

| Date // | Time since new | Time since overhaul | Total cycles | | Details of task | (| (1) | 4816 |
|--|--------------------------------------|--|--|-------------------------|--|---|-----|---|
| Pratt & Whitney Engine 1525 Midway Park Roa Bridgeport, WV 26330 Certificate Number LM | ad | | | | att & Whitney ited Technologies Company | | | AC |
| Manufacturer | Description | on | Model/Type | 91000 | Serial Number | | | TE |
| PRATT & WHITN | | GENERATOR MODULE | PT6A-6 | 66D | PCE-RV0009 | | | |
| Time Since New | Cycles Si | | Time Since Overl | naul | Cycles Since Overhaul | | _ | EI |
| 3585.9 | | 3860 | 70.5 | | 100 | | | P |
| ☐ Overhaul 区 | | Vane Class: 7.25 3 | | P.T. Van | e Class: 23.75 2S2 | | _ | IN |
| DESCRIPTION OF WO | | | | | | | | G |
| P&WC OVERHAUL MA 10 APR 2017; AND OTI | NUAL, P/N: 3070903 HER P&WC APPRO | , REV 14, DATED 28 VED DOCUMENTA | B MAY 2018; MAINTEN TION AND/OR ENGIN | NANCE MAN VEERING DO | ON / MIO" IN ACCORDANCE WITH IUAL, P/N: 3070902, REV 18, DATED OCUMENTATION ACCEPTABLE TO STED IN ACCORDANCE WITH THE | | | PO SI G M P/ |
| ITT TRIM: 76.2°F. C.T. TRIM BALANC C.T. BAFFLE CLASS | E WEIGHTS: GO | IM RESISTANCE 6N E22N N/R SEAT CLASS: 17 | N/R | | | | | |
| This engine module has approved for return to serve the work performed are on Date: 01 JUL 2019 PWV-3096 (FEB 15) | file at this agency und | der sales order No. 21 | ned to be airworthy with | respect to the | deral Aviation Administration and is work performed. Pertinent details of | | | W A O |
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Pratt & Whitney Engine Services, Inc. 1527 Midway Park Road Bridgeport, WV 26330 FAA CRS # L2QR166Y

| | | 2010 (| HOUR METER: |
|-------------------------|-------------------|--|----------------|
| ACFT. TYPE: | ACFT. S/N: 356 | ACFT. TTSN: 3810.6 | _ noon |
| TBM 850 | | ACFT. TCSN: 3909 | N/A |
| | N#: N228CH | ENG. TTSN: N/A | ENG. TCSN: N/A |
| ENG. MODEL: PT6A-66D | ENG SN# | The Control of the Co | ENG. CSO: 100 |
| | RV0009 | ENG. TSO: 70.5 | |
| PTOA-OOD | | ALDCD AFT N228C | H. |

INSTALLED CORE ENGINE ASSEMBLY S/N: RV0009 ON AIRCRAFT N228CH. GAS GEN: TTSN: 3585.9 TCSN: 3860 TTSO: 70.5 TCSO: 100 POWER SEC: TTSN: 3490.9 TCSN: 3743 TTSO:70.5 TCSO: 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 Approved Inspector: Muchal Dam Order: 213361

17 Jul 2019

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

Page 1 of 1

RSCF GEN-041 (Apr 13)

28CH S/N: 356

CTT: 3810.6hr. gine Model: PT6A-66D

gine S/N: RV0009

y 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

round ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. rtify this Engine has been inspected in accordance with (IAW) a Daher-Socata "C+" Inspection per Daher-TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPXEE0R47, and is approved for return to service.

id K. Eastwood AP2778982 for Medical Air Inc.

RSCF GEN-041(APR13)

Pratt & Whitney Engine Services, Inc.

1527 Midway Parkway Rd Bridgeport, WV 26201

FAA CRS # CRS L2QR166Y

| ACFT. S/N: 356 | ACFT. TTSN: | 3712.1 | HOUR METER: | |
|-----------------------|----------------------------|--|--|--|
| REG. #: N228CH | ACFT. TCSN: | 3772 | | N/A |
| ENG. SN# | ENG. TTSN: | 3515.4 | ENG. TCSN: | 3760 |
| GG-RV0009 | ENG. TSO: | 0.0 | ENG. CSO: | 0.00 |
| | REG. #: N228CH ENG. SN# | REG. #: N228CH ACFT. TCSN: ENG. SN# ENG. TTSN: | REG. #: N228CH ACFT. TCSN: 3772 ENG. SN# ENG. TTSN: 3515.4 | REG. #: N228CH ACFT. TCSN: 3772 ENG. SN# ENG. TTSN: 3515.4 ENG. TCSN: |

Page 1 of 1

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

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

No Technical Data

学 Pratt & Whitney

A United Technologies Company

RSCF GEN-041 (1/4/2013)

Signature

AME

ACA/AMO

SCA/AMO

Pratt & Whitney Engine Services, Inc.

1527 Midway Park Road Bridgeport, WV 26330

FAA CRS # L2QR166Y

| ACFT. TYPE: | ACET CAL | | |
|-------------|----------------|--------------------|-----------------|
| | 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.DMAMMPXEE0R47 Revision #47 and/or applicable Service Bulletins.

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation No Technical Data Administration and the work performed is approved for return to service. Pertinent details of the work performed are on 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 Brian Herron

Signature

AME ACA/AMO SCA/AMO

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

Pratt & Whitney A United Technologies Company

P.T. Vane Class: 23.75 2S2

| 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 |

Repair C.T. Vane Class: 7.25 3S9 ○ Overhaul 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.

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

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)

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

| N228CH | | | | Gas Generator TT: 3274.4hr. | | 0 |
|---|--|--|---|--|-----------|-----|
| A/C TT: 339 | 7.0hr. | | | Power Section TT: 3179.4hr. | () | 6 3 |
| Engine Mod | el: PT6A-66D | | | Gas Generator Cycles: 3488 | | |
| Engine S/N: | | | | Power Section Cycles: 3371 | | } |
| April 13, 201 | | | | • | | |
| Special Inspect | | | | | - | - |
| - C/W Engine of section 71-00-00 Routine Mainto - Removed oil for (PWCMM3070 - C/W P&WC at 80% NG for 20 - Cleaned P3 air - Performed ele (PWCMM3070 - Removed, inspection of this time. Cabin - Ground ran en - I certify that the | Compressor Desail D, 6A and C. enance filter element, electron of the compressor Desail D, 6A and C. filter element, electron of the compressor Desail D, section of the compressor of the compr | rosonic cleaned, in on 79-20-02. 6R2 by leaving the gine shutdown rein valve assembly of P3 air filter, inson 73-10-07. ed front chip dete tood at this time. tenance checks, of inspected in acco | nspected and re-in e Exhaust Duct Donstalled and safeti per (PWCMM30 spected and re-insector with new o-ri ps checked norma rdance with P&V | stalled using new o-rings per rain out and performing an engine drying run ed cap. 770902RV18.1), section 73-10-07. talled with new O-rings per ng, torqued and safetied. No metal found at l, no leaks noted at this time. VC MM 3070902, REV.18.1, dated r) and is approved for return to service. | | |
| Jeremy A. Green | 7 | for Medical Air I | A 100 A 100 A | · | - | |
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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

Meter Time: 3436.4 Hobbs

Time Since New: 3436.4

Cycle Since New: 3450

Aircraft type: TBM 700 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. C/W SB 13486, SB 14357R2, SB 14495 at this shop visit.
- In conjunction with fuel nozzles removal, performed a borescope inspection of hot section, no defect noted.
- C/W P&WC SIL PT6A-213 Inspected engine compressor inlet case for corrosion, no defect noted at this inspection. Applied an approved corrosion inhibitor compound "Corrosion X" on inlet case area as required IAW P&WC EMM Section 72-00-00 as specified in P&WC Service Information Letter No. PT6A-213.
- Performed compressor, turbine desalination wash per Pratt & Whitney maintenance manual chapter 71-00-00.
- Performed engine run to determine satisfactory performance IAW the manufacturer's recommendations and leak checked found satisfactory

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. Phongland AKam Phongsavath

CRS # URZR891L / EASA. 145.5152

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

Aircraft T.T: 3436.4 Engine T.T: 3313.8 Prop T.T: 212.5 Signature: K.Phanglavalle 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**

Power Section TT: 3309.7hr.

Gas Generator Cycles: 3638 Power Section Cycles: 3521

Gas Generator TT: 3404.7hr.

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.

| N228CH A/C TT: 3207.4hr. Engine Model: PT6A-66D Engine S/N: RV0009 September 29, 2017 | Power Sec Gas Generator | ator TT: 3084.8hr. etion TT: 2989.8hr. r Cycles: 3286 n Cycles: 3169 | 174 | N228CH S/N: 356 A/C TT: 3297.6hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 January 5, 2018 | Gas Generator TT: 3175.01 Power Section TT: 3080.01 Gas Generator Cycles: 338 Power Section Cycles: 326 10f 2 |
|--|--|--|-----|--|---|
| Special Inspection Items - C/W Engine Compressor Desalinate section 71-00-00, 6A and C. Routine Maintenance - Removed oil filter element, electroso (PWCMM3070902RV18.1), section 6 - C/W P&WC SIL No. PT6A-206R2 at 80% NG for 2 minutes. After engine 6 - Cleaned P3 air filter housing drain varies are filter housing drain varies. Performed electrosonic cleaning of P(PWCMM3070902RV18.1), section 7 - Removed, inspected and reinstalled found at this time. Cabin chip light test found are engine for after maintenance of the control of the section of the control of the section of the control o | by leaving the Exhaust Duct Drain out and performs shutdown reinstalled and safetied cap. Ive assembly per (PWCMM3070902RV18.1), section of a sir filter, inspected and re-installed with new O-ring 3-10-07. From and rear chip detectors with new o-ring, torqued and good at this time. Indeed, ops checked normal, no leaks noted at the sected in accordance with P&WC MM 3070902, Report of the section of the sectio | rings per ing an engine drying run ion 73-10-07. ngs per d and safetied. No metal his time. EV.18.1, dated | | Routine Maintenance - C/W 100hr. P&WC Engine Compressor Desalination of (PWCMM3070902RV18.1), section 71-00-00, 6A and C. - C/W P&WC 600hr. Engine Fuel Pump Filters Inspect discharge filter, P/N: 3059779-01. Inspected and cleaned in Work performed IAW (PWCMM3070902RV18.1) section Removed oil filter element, electrosonic cleaned, inspected (PWCMM3070902RV18.1), section 79-20-02. - C/W P&WC SIL No. PT6A-206R2 by leaving the Exha at 80% NG for 2 minutes. After engine shutdown reinstalled. Cleaned P3 air filter housing drain valve assembly per (P - Performed electrosonic cleaning of P3 air filter, inspected (PWCMM3070902RV18.1), section 73-10-07. - Removed, inspected and reinstalled front and rear chip do found at this time. Cabin chip light tested good at this time. Replaced both igniters, P/N: CH34055 due to worn beyon torqued using new gaskets, P/N: 3010880. Reinstalled and - Ground ran engine for after maintenance checks, ops che Jeremy A. Greene AP 3666293 for Medical Air Inc. | ion, Cleaning/Replacement. Replaced fuel pump et screen filter. Installed both filters with new O-ring 73-10-02 #5 & #7. and re-installed using new O-rings per ust Duct Drain out and performing an engine drying d and safetied cap. WCMM3070902RV18.1), section 73-10-07. and re-installed with new O-rings per etectors with new O-ring, torqued and safetied. No mend limits. Checked for operation and reinstalled and safetied ignition leads. cked normal, no leaks noted at this time. Gas Generator TT: 3175. |
| Dallas Airmotive A BBA Aviation company A ENG MANUFACTURER PRATT & WHITNEY CANADA | | HOBBS: 3223.9 ER. NUMBER: CE-RV0009 | | A/C TT: 3297.6hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 January 5, 2018 - Collected oil sample for analysis 1AW P&WC Special In- Ground ran engine for after maintenance checks, ops che I certify this Engine has been inspected in accordance with Socata TBM 700C Maintenance Manual, P/N: Z00.DAM/ 3070902, REV.18.1, July 27, 2017, (PWCMM3070902R) Table 601 and is approved for return to service. | (IAW) a Daher-Socata "A" Inspection using Daher |
| 3101.3 | NG CSN ENG TSO 3306 N/A EACH FIRST STAGE COMPRESSOR BLADES ON ENG S/N | ENG CSO N/A PCE-RV0009 | | | |
| REINSTALLED INLET SCREEN. ALL WO | IRK PERFORMED WITH REFERENCE TO PRATT AND WH EVISION 18.1 DATED 27-JULY 2017 AND OTHER DATA A PERTINENT DETAILS OF THIS INSPECTION ARE ON FII | IITNEY CANADA ———— ND METHODS | | | |



N228CH S/N: 356 A/C TT: 3010.4hr.

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

January 26, 2017

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.

Gas Generator TT: 2887.8hr.

Power Section TT: 2792.8hr.

Gas Generator Cycles: 3031

Power Section Cycles: 2914

- 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

Meter Time: 3111.2 Hobbs

Registration: N228CH 31490 Aircraft type: TBM 850

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.
- Ferformed 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

| N228CH S/N: 356 | Gas Generator TT: 2602.6hr. | [| | N228CH S/N: 356 | Can Canada TEM 2502 51 |
|---|--|---------|--|--|--|
| A/C TT: 2725.2hr. | Power Section TT: 2507.6hr. | | | A/C TT: 2916.3hr. | Gas Generator TT: 2793.7hr. |
| Engine Model: PT6A-66D | Gas Generator Cycles: 2705 | N. 2. 1 | | Engine Model: PT6A-66D | Power Section TT: 2698.7hr. |
| Engine S/N: PCE-RV0009 | Power Section Cycles: 2588 | | The second secon | . — — | Gas Generator Cycles: 2948 |
| April 25, 2016 2 of 2 | • | | | Engine S/N: PCE-RV0009 | Power Section Cycles: 2831 |
| Special Inspection Items | | | | October 13, 2016 Special Inspection Items | 1of 2 |
| Cert.No.YRR6491L, Paul McKinny, Order n I certify this Engine has been inspected in acc Socata TBM 700C Maintenance Manual, P/N | | | | C/W Daher Special Check #41 Engine Compressor Desalinat P&WC MM 3070902, REV.17.1 August 18, 2016, (PWCMM3070-Complied with P&WC SIL No. PT6A-206R2 by leaving the Edrying run at 80% Ng for 2 minutes. After engine shutdown reinsta-C/W Daher Special Check #46 Inspect, Clean P3 Filter & P3 Inspected and cleaned P3 air filter housing drain valve assembly p section 73-10-07. Performed electrosonic cleaning of P3 air filter inspected and re-(PWCMM3070902RV17.1) section 73-10-07. | 0902RV17.1) section 71-00-00, 6A and 6C. xhaust Duct Drain out and performing an engine lled and safetied the cap. Filter Drain Valve Housing. er (PWCMM3070902RV17.1) |
| ' ' | ı | | | Routine Maintenance | |
| N228CH S/N: 356 | Gas Generator TT: 2698.2hr. | | | - Removed, inspected and reinstalled front chip detector with new | O-ring, torqued and safetied. No metal found at |
| A/C TT: 2820.8hr. | Power Section TT: 2603.2hr. | | | this time. Cabin chip light tested good at this time. | 2. A 11 1 2 2 |
| Engine Model: PT6A-66D | Gas Generator Cycles: 2819 | | | - Removed oil filter element, electrosonic cleaned, inspected and re (PWCMM3070902RV17.1) section 79-20-02. | -installed using new o-rings per |
| Engine S/N: PCE-RV0009 | Power Section Cycles: 2702 | 1 | | - Replaced Right ignitor lead with new lead, P/N: CH53399-06. O | ns checked good at this time |
| July 15, 2016 | - 3 wer section Cycles: 2/02 | | | - Replaced both igniters, P/N: CH34055 due to worn beyond limits | c. Checked for operation and reinstalled and |
| Special Inspection Items | | | | torqued using new gaskets, P/N: 3010880. Reinstalled and safetied | ignition leads. |
| - C/W Daner Special Check #41 Engine Co | mpressor Desalination & Turbine Wash in accordance with (IAW) | | | - Ground ran engine for after maintenance checks, ops checked no | rmal, no leaks noted at this time. |
| | (PWCMM3070902RV17) section 71-00-00, 6A and 6C. 2 by leaving the Exhaust Duct Drain out and performing an engine | | | Jeremy A. Greene AP 3666293 for Medical Air Inc. | |
| | | | | sciency A. Greene Ar 3000293 for Medical Air file. | |
| - C/W FX WC 100-2015 P16A-Engine Oil S | Sample Instructions by taking oil sample IAW and a second | | | | |
| | | - | | N228CH S/N: 356 | Cas Canavatar TT. 2502 51 |
| Inspected and cleaned D2 oir filter haveing the | ean P3 Filter & P3 Filter Drain Valve Housing. | | | A/C TT: 2916.3hr. | Gas Generator TT: 2793.7hr. |
| section 73-10-07. | in valve assembly per (PWCMM3070902RV17) | , | | | Power Section TT: 2698.7hr. |
| Performed electrosonic cleaning of P3 air file | ter inspected and re-installed with new O-rings per | | | Engine Model: PT6A-66D | Gas Generator Cycles: 2948 |
| (1 44 Civilian / 0 3 0 2 1 | mopostod and re-instance with new O-rings per | | | Engine S/N: PCE-RV0009 | Power Section Cycles: 2831 |
| Routine Maintenance | | | | October 13, 2016 | 2 of 2 |
| - P&WC SB No. 14507R1 Inspection of Int | terconnect Rod previously C/W P&WC SB No. 14507, | | | I certify this Engine has been inspected in accordance with (IAW) Socata TBM 700C Maintenance Manual, P/N: Z00.DAMAMMPX | FOR45 with Temporary Payisions through |
| 1911 23, 2010, 2723.2III. AllClait I Olai I ime | Safety cable installed correctly. No interference found. ned, inspected and re-installed using new o-rings per | | | 057.37 and items specified in P&WC MM 3070902, REV.17.1, A | ugust 18, 2016 section 72-00-00 #8 Periodic |
| | | | | Inspection, Table 60 Land is approved for return to service. (PWC) | MM3070902RV17.1) |
| Removed, inspected and reinstalled front chir | o detector with new O-ring, torqued and safetied. No metal found at | | | David K. Eastwood AP2778982 for Medical Air Inc. | , |
| his time. Cabin chip light tested good at this time. | me. | - | | David K. Eastwood AP2778982 for Medical Air Inc. | |
| | cks, ops checked normal, no leaks noted at this time. | | | | 1 |
| REV.17.0. March 7, 2016 section 72-00-00. #8 | rdance with (IAW) items specified in P&WC MM 3070902, B Periodic Inspection, Table 601 and is approved for return to service. | | | | |
| PWCMM3070902RV17) | - and is approved for return to service. | | | | |
| eremy A. Greene AP 3666293 for Medical Air | | | | | |
| cremy A. Greene AP 3000293 for Medical Air | Inc. | | | | |
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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

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

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

Gas Generator TT: 2558.8hr.

Power Section TT: 2463.8hr.

Gas Generator Cycles: 2638

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

Order No.: FS46251 Date: 4/13/2016

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 hidde damage may exist that was not observable and reported by our inspector at the time of the inspection

N228CH S/N: 356 A/C TT: 2725.2hr. Engine Model: PT6A-66D

Engine S/N: PCE-RV0009 April 25, 2016 1 of 2

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

Signature

AME

ACA/AMO

SCA/AMO

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: 2437.4hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 Gas Generator TT: 2211.8hr. N228CH S/N: 356 Power Section TT: 2116.8hr. A/C TT: 2334.4hr. P&WC MM 3070902, REV.16.0 July 6, 2015, (PWCMM3070902RV16) section 71-00-00, 6A and 6C. Gas Generator Cycles: 2234 Engine Model: PT6A-66D Power Section Cycles: 2117 Engine S/N: RV0009 April 13, 2015 2 of 2 Special Inspection Items - Daher-Socata Special Check #39 Engine Boroscope Inspection was complied with by Dallas Airmotive. (PWCMM3070902RV16) section 73-10-07. 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 (PWCMM3070902RV16), section 79-20-02. 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. (PWCMM3070902RV16) David K. Eastwood AP2778982 for Medical Air Inc. Jeremy A. Greene AP 3666293 for Medical Air Inc. Cystomer File Stub N228CH S/N: 356 Inquiries: 1-800-237-1369 / (919) 379-4102 A/C TT: 2528.9 hr. Engine Model: PT6A-66D Engine S/N: PCE-RV0009 Gas Generator TT: 2262.4hr. N228CH Power Section TT: 2167.4hr. A/C TT: 2385.0hr. Gas Generator Cycles: 2299 Engine Model: PT6A-66D Power Section Cycles: 2182 Engine S/N: RV0009 May 29, 2015 - C/W Special Check #41 Engine Compressor Desalination & Turbine Wash in accordance with P&WC MM 3070902, REV.15 Dated: January 12, 2015, (PWCMM3070902RV15) section 71-00-00, 6A and C. (PWCMM3070902RV16.1) section 73-10-07. - 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) Routine Maintenance section 73-10-07. (PWCMM3070902RV16.1), section 79-20-02. - Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. Jeremy Greene AP3666293 for Medical Air Inc. 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 and is approved for return to service. David K. Eastwood AP2778982 for Medical Air Inc.

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

- C/W Daher Special Check 41 Engine Compressor Desalination & Turbine Wash in accordance with (IAW)

- 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

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per

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

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

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

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

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

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

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per

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

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

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



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

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



| Manufacturer Pratt & Whitney - Canada | Description Gas Generator Module, Complete | Model/Type PT6A-66D | Serial Number GG-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 | 2,290.3 | 2,101 |

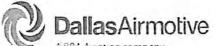
Installed Customers Repaired Engine, S/N PCE-RV0009 on N228CH, S/N 356 with new packing's, seals. gaskets and hardware as required. Serviced Engine with 8 qts of BP2380 Turbo Oil performed rigging, leak checks and ground performance runs with satisfactory results. A visual inspection was performed of the remainder of the areas accessed with no defects noted at this time.

All work performed in accordance with PT6A-66D Maintenance Manual, part number 3070902, Revision # 15, dated Jan 12/2015 and Socata TBM 850 Maintenance Manual, P/N Z00.DMAMMPXEE0R44, Revision E0R44, dated Apr 14/2014 and/or applicable Service Bulletins.

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

| S/O No. | 185420 | | | | |
|---------|--------|------|--------------|------------------------|-------------------|
| W/O No. | A15062 | Date | Feb 07, 2015 | Approved Inspector: | Felis. Cing & ATL |

| a: ATL-3010S Export Classification: 9E991 | Revised: May 2013 |
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Stanly County Airport, 40591 Airport Road, New London, NC 28127 CERTIFICATE NO. YRR2491L

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

| ENG MANUFACTURER | ENG TY | PE/MODEL: | ENG SER. NUMBER: |
|----------------------|---------|-----------|------------------|
| PRATT & WHITNEY CANA | DA P | Γ6A-66D | PCE-RV0009 |
| ENG TSN | ENG CSN | ENG TSO | ENG CSO |
| 2211.8 | 2234 | N/A | N/A |

PERFORMED BORESCOPE INSPECTION ON ENG S/N PCE-RV0009. CLEANED, FLOWED, PRESSURE AND LEAK CHECKED FUEL NOZZLES. COMPLIED WITH SB 14357R4 AND SB 14495R1. ALL WORK PERFORMED WITH REFERENCE TO PRATT AND WHITNEY CANADA MAINTENANCE MANUAL PN 3070902 REVISION 14 DATED 7-JULY 2014 AND OTHER DATA AND METHODS ACCEPTABLE TO THE ADMINSTRATOR. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT REPAIR STATION UNDER WORK ORDER NO. RPR38746. -----END-----

DATE: 03/31/2015 SIGNATURE

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

N228CH S/N: 356 A/C TT: 2334.4hr.

Engine Model: PT6A-66D

Engine S/N: PCE-RV0009 April 13, 2015 1 of 2

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

Power Section Cycles: 2117

Special Inspection Items

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

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

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

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

Routine Maintenance

- Removed oil filter element, electrosonic cleaned, inspected and re-installed using new o-rings per
- PWC MM part #3070902, Rev 15.0, dated January 12, 2015, section 79-20-02.
- Replaced both igniters, P/N: CH34055 due to worn beyond limits. Checked for operation and reinstalled and torqued using new gaskets, P/N: 3010880. Reinstalled and safetied ignition leads.
- Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time.

Jeremy A. Greene AP 123456 for Medical Air Inc. 3666293 24

| Date // | Time since new | Time since overhaul | Total cycles | | Details of task |
|---|---|--|--|-------------------|--|
| egistre de mai aintenance Lo ntre de service révisi vice centre St-Huber NC 11501 (2013-09 | o g ion - St-Hubert rt | | t & Whitney Ca | | Pratt & Whitney Canada Corp. SERVICE CENTER ST-HUBER 7007 de la savane St-Hubert, Québec, Canada J3Y 3X7 |
| ricant - Manufacture | | ésignation - Descr | iption: | Modèle - Model | No de série - Serial No |
| PRATT & WHITNE | EY CANADA | TURBOPROP | GAS GEN MODULE | PT6A-66D | PCE- RV0009 |
| n de vente - Sale orde 184595 | | SN 2167.7 | CSN 2189 | SSN N/A | FSN N/A |
| vail effectué - Work p | | so | cso | sso | FSO |
| REPAIRE | | N/A | N/A | N/A | N/A |
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| 90 | Time since new | Time since overhaul | Total cycles | | Details of task |
|---|-------------------|-----------------------------------|----------------------------|--|---|
| | | Pratt Une socié:é | & Whitney Ca | Nada ed Technologies Company | Pratt & Whitney Canada Corp. SERVICE CENTER ST-HUBER' 7007 de la savane St-Hubert, Québec, Canada J3Y 3X7 |
| bricant - Manufacturer: PRATT & WHITNEY C | Dési | gnation - Descript TURBOPROP G | tion: AS GEN MODULE | Modèle - Model | No de série - Serial No: |
| n de vente - Sale order: | TS) | | CSN | PT6A-66D | PCE- RV0009 |
| 184595 | | 2167.7 | 2189 | SSN N/A | FSN |
| /ail effectué - Work perfo REPAIRED | ormed: TSO | 90 | cso | SSO | N/A FSO |
| G GAS GEN MODULE HAS RHAUL MANUAL REV.10 | | N/A Car | N/A | N/A | NVO |
| | | | | 4 | • |
| T. TRIM WEIGHTS: E16N RT CONTROL CLASSIFIC | CATION : THIS DOC | CUMENT CONTAIN | IS NO TECHNICAL DA | Named Services | |
| RT CONTROL CLASSIFIC 12 Jan 2015 | CATION : THIS DOC | | | ATA Lloyd Moore PWC AMO 20-00 63 | |
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Pratt & Whitney Engine Services, Inc. 710 Westlake Parkway Atlanta, GA. 30336 FAA Certificate Number HN4R238M



| Manufacturer Pratt & Whitney - Canada | Description Gas Generator Module, Complete | Model/Type PT6A-66D | Serial Number 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 |

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: | Felis Origa (ATL) | |

| - W/O N | o. A14496 | Date Nov 06, 2014 | Inspector: 7. | lis ling al | |
|-----------|-----------------|-----------------------|---------------|--------------|------|
| - Form: A | TL-3010S Export | Classification: 9E991 | Ĭ | Revised: May | 2013 |
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ATL 3010S-A Pratt & Whitney Engine Services, Inc.

710 Westlake Parkway Atlanta, GA 30336-2920

FAA CRS# HNADOOM

| | | | 1701 011 | THAKZ | SOM | |
|-------------|--------|--------|-------------|---------|-------------|-------|
| ACFT. TYPE: | 356 | | ACFT. TTSN: | N/A | HOUR METER: | |
| TBM 850 | N#: | N228CH | ACFT. TCSN: | N/A | | N/A |
| ENG. MODEL: | ENG. S | N# | ENG. TTSN: | 2,068.2 | ENG. TCSN: | 2,084 |
| PT6A-66D | PCE- | RV0009 | ENG. TSO | N/A | ENG. CSO | N/A |

Page: 1 of 1

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

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: FDw42172; Date: 8/5/14

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

DATE: 5-Aug-2014

N228CH

8/25/2014

Felix Hintz

Engine Model: PT6A-66D Engine Serial #: RV0009

Engine TSN/TSO: 2,086.40/(C4s Gen.) Engine Position: Single Engine

Engine

Work Order #: STP51432 A/C Ser #: 356 A/C Time: 2,086.40

Date:

A/C Reg#:

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

Log Book :

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 o.s degrees on of the 6.2 value on the data place. To former canonical effects of forque transducer in accordance with Socata TBM850 aircraft maintenance manual chapter 77-14-00. Indication of forque was noted at 100% with

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. Perturn details of those repairs are on file at this repair station under Work Order Number: STP51432

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.

N228CH

A/C TT: 2137.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009 September 30, 2014

Gas Generator TT: 2137.5hr.

Gas Generator TT: 2079.1hr.

Power Section TT: 1984.1hr.

Gas Generator Cycles: 2094

Power Section Cycles: 1977

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

Power Section Cycles: 2029

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

Special Inspection Items

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

- C/W Special Checks #44 and 45 Engine Fuel Pump Filters. Replaced fuel pump discharge filter, P/N: 572744. 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 AP2778982 for Medical Air Inc.

N228CH

A/C TT: 2143.6hr.

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

10-6-2014

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

Removed engine bleed valve assembly, P/N: 3059835-01, S/N: 1000616 and installed original bleed valve P/N: 3059835-01, S/N: AHX004466 using same valve seat IAW (PWCMM307090RV14)

Section 75-30-00, #5. Ground ran engine ops check normal, no leaks detected

Jeremy A. Greene AP3666293 for Medical Air Inc.



Pratt & Whitney Engine Services, Inc.

ATL 3010S-A

710 Westlake Parkway Atlanta, GA 30336-2920

FAA CRS # HN4R238M

| ACFT. S/N: 356 | ACFT. TTSN: N/A | HOUR METER: |
|----------------|----------------------------|--|
| N#: N228CH | ACFT. TCSN: N/A | N/A |
| ENG. SN# | ENG. TTSN: 2,068.2 | ENG. TCSN: 2,084 |
| PCE-RV0009 | ENG. TSO N/A | ENG. CSO N/A |
| | N#: N228CH ENG. SN# | N#: N228CH ACFT. TCSN: N/A ENG. SN# ENG. TTSN: 2,068.2 |

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

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/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: 183318_RV0009

DATE: 5-Aug-2014

Felix Hintz

Engine Model: PT6A-66D Engine Serial #:

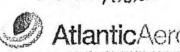
N228CH A/C Reg#: STP51432 Work Order #:

A/C Ser #:

356

A/C Time: 2,086.40

8/25/2014 Date :



A WITERWICH JEHOUROUP COMPANY P.O. Box 35408 Greensboro, NC 27425

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

Routine Maintenance

Engine TSN/TSO: 2,086.40//

Engine Position: Single Engine

Engine

Engine CSN/CSO: 2,103/

77-00-00

Log Book

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 liters identified above myd/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. Pertirent details of these repairs are on file at this repair station under Work Order Number: STP\$1432

for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

A/C TT: 2079.1hr.

Engine Model: PT6A-66D

Engine S/N: RV0009

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

Power Section Cycles: 1977

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.

N228CH

A/C TT: 2137.5hr.

Engine Model: PT6A-66D

Engine S/N: RV0009 September 30, 2014

Gas Generator TT: 2137.5hr.

Power Section TT: 2042.5hr. Gas Generator Cycles: 2146 Power Section Cycles: 2029

Gas Generator TT: 2143.6hr.

Gas Generator Cycles: 2153

Power Section Cycles: 2036

Power Section TT: 2048.6hr.

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 AP2778982 for Medical Air Inc.

N228CH A/C TT: 2143.6hr. **Engine Model: PT6A-66D**

Engine S/N: RV0009

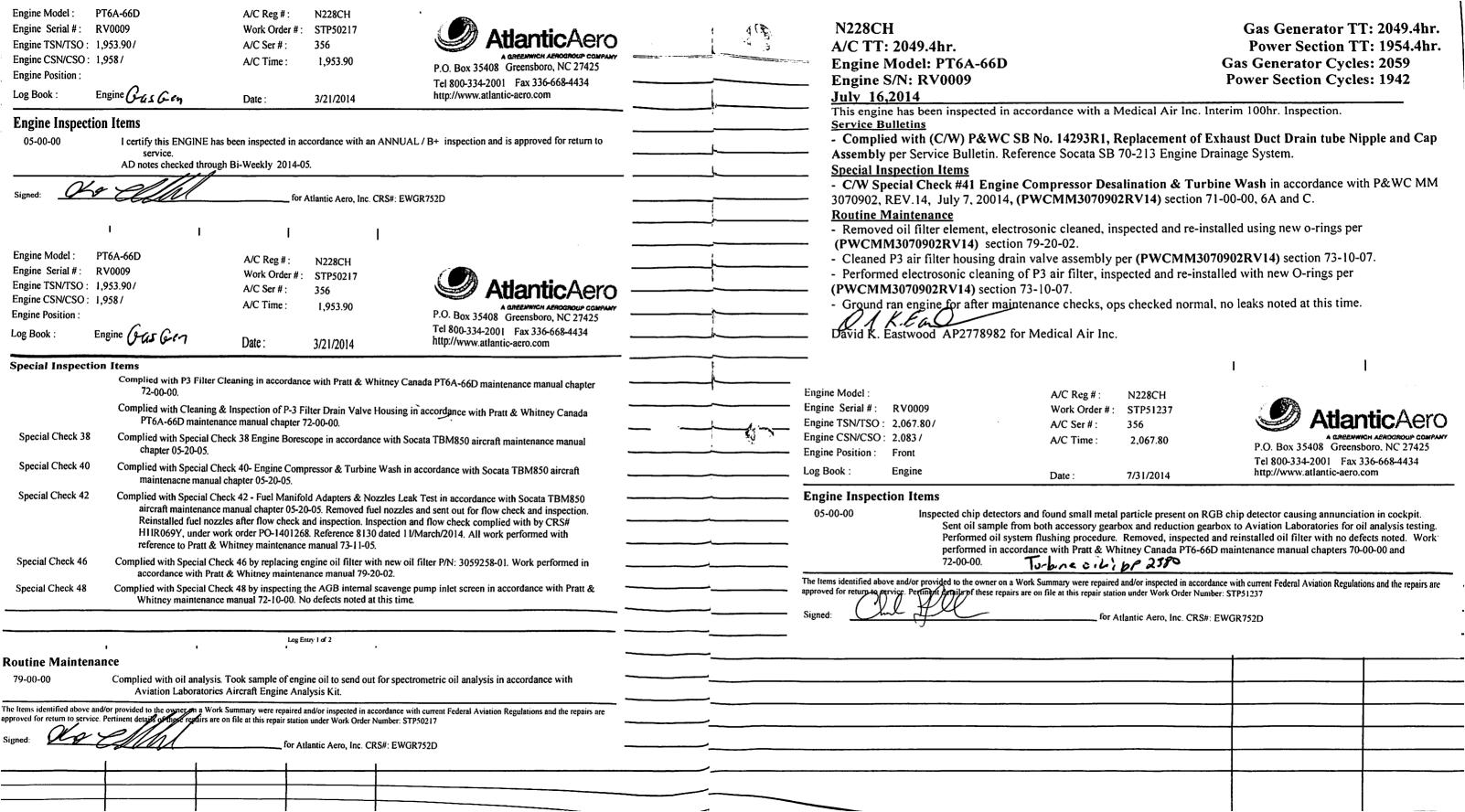
10-6-2014

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.

PT6A-66D A/C Reg#: N228CH Engine Model: Gas Generator TT: 2049.4hr. **N228CH** Engine Serial #: RV0009 Work Order #: STP50217 Engine TSN/TSO: 1,953.90/ A/C Ser #: 356 A/C TT: 2049.4hr. Power Section TT: 1954.4hr. Engine CSN/CSO: 1,958/ A/C Time: 1,953.90 Gas Generator Cycles: 2059 Engine Model: PT6A-66D P.O. Box 35408 Greensboro, NC 27425 Engine Position: **Power Section Cycles: 1942** Engine S/N: RV0009 Tel 800-334-2001 Fax 336-668-4434 Engine Gas Gen Log Book: http://www.atlantic-aero.com Date: 3/21/2014 July 16,2014 **Engine Inspection Items** This engine has been inspected in accordance with a Medical Air Inc. Interim 100hr. Inspection. 05-00-00 I certify this ENGINE has been inspected in accordance with an ANNUAL / B+ inspection and is approved for return to Service Bulletins - Complied with (C/W) P&WC SB No. 14293R1, Replacement of Exhaust Duct Drain tube Nipple and Cap AD notes checked through Bi-Weekly 2014-05. Assembly per Service Bulletin. Reference Socata SB 70-213 Engine Drainage System. **Special Inspection Items** for Atlantic Aero, Inc. CRS#: EWGR752D - 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 Engine Model: PT6A-66D A/C Reg#: (PWCMM3070902RV14) section 79-20-02. N228CH Engine Serial #: RV0009 Work Order #: STP50217 - Cleaned P3 air filter housing drain valve assembly per (PWCMM3070902RV14) section 73-10-07. Engine TSN/TSO: 1.953.90/ A/C Ser #: 356 - Performed electrosonic cleaning of P3 air filter, inspected and re-installed with new O-rings per Engine CSN/CSO: 1,958/ A/C Time: (PWCMM3070902RV14) section 73-10-07. 1,953.90 Engine Position: P.O. Box 35408 Greensboro, NC 27425 - Ground ran engine for after maintenance checks, ops checked normal, no leaks noted at this time. Tel 800-334-2001 Fax 336-668-4434 Log Book: Engine (2/15 Gen David K. Eastwood AP2778982 for Medical Air Inc. http://www.atlantic-aero.com 3/21/2014 **Special Inspection Items** Complied with P3 Filter Cleaning in accordance with Pratt & Whitney Canada PT6A-66D maintenance manual chapter Complied with Cleaning & Inspection of P-3 Filter Drain Valve Housing in accordance with Pratt & Whitney Canada Engine Model PT6A-66D maintenance manual chapter 72-00-00. A/C Reg#: N228CH Engine Serial #: Complied with Special Check 38 Engine Borescope in accordance with Socata TBM850 aircraft maintenance manual Special Check 38 RV0009 Work Order #: STP51237 Engine TSN/TSO: 2,067.80/ Engine CSN/CSO: 2,083/ A/C Ser #: 356 Complied with Special Check 40- Engine Compressor & Turbine Wash in accordance with Socata TBM850 aircraft Special Check 40 A/C Time: 2,067.80 Engine Position: P.O. Box 35408 Greensboro, NC 27425 Complied with Special Check 42 - Fuel Manifold Adapters & Nozzles Leak Test in accordance with Socata TBM850 Special Check 42 Log Book: Tel 800-334-2001 Fax 336-668-4434 aircraft maintenance manual chapter 05-20-05. Removed fuel nozzles and sent out for flow check and inspection. Engine Date: 7/31/2014 http://www.atlantic-aero.com Reinstalled fuel nozzles after flow check and inspection. Inspection and flow check complied with by CRS# **Engine Inspection Items** HIIR069Y, under work order PO-1401268. Reference 8130 dated 11/March/2014. All work performed with reference to Pratt & Whitney maintenance manual 73-11-05. 05-00-00 Inspected chip detectors and found small metal particle present on RGB chip detector causing annunciation in cockpit. Complied with Special Check 46 by replacing engine oil filter with new oil filter P/N: 3059258-01. Work performed in Special Check 46 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 Complied with Special Check 48 by inspecting the AGB internal scavenge pump inlet screen in accordance with Pratt & performed in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapters 70-00-00 and Special Check 48 Whitney maintenance manual 72-10-00. No defects noted at this time. 72-00-00. Turbine cilibr 2380 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 the Order Number CTRS 1227 approved for return to pervice. Peringal persils of these repairs are on file at this repair station under Work Order Number: STP51237 Log Entry 1 of 2 for Atlantic Aero, Inc. CRS#; EWGR752D Routine Maintenance Complied with oil analysis. Took sample of engine oil to send out for spectrometric oil analysis in accordance with 79-00-00 The Items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are on file at this repair station under Work Order Number: STP50217 for Atlantic Aero, Inc. CRS#: EWGR752D



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



| Manufacturer PRATT & WHITNEY - CANADA | Description GAS GENERATOR MODULE ASSY. | Model/Type PT6A-66D | Serial Number 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 /543 [|

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

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 age

| S/O No. | 179642 | | | | system in this agency under the work order listed below. |
|---------|--------|------|-------------|------------------------|--|
| W/O No. | A13464 | Date | SEP 27 2013 | Approved Inspector: | Gregory A. Phillips / Regy College |

Form: ATL-3010S

Export Control Classification: 9E991

Revised: Mar 2009

N228CH

UNC Medical Air Inc.

Gas Generator TT: 1768.5hr.

Engine Model: PT6A-66D

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

Engine S/N: RV0009 October 02,2013

A/C TT: 1768.5hr.

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

Special Inspection Items

Special Inspection Rems

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

Routine Maintenance

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

- Removed, electrosonic cleaned, inspected and re-installed oil filter screen with new O-rings.

David K. Eastwood AP2778982 for Medical Air Inc.

Engine Model: PT6A-66D Engine Serial # : RV0009 Engine TSN/TSO: 1,872.60/ Engine CSN/CSO: 1,881/

Work Order # STP49828 356 A/C Ser #: A/C Time: 1,872.60

N228CH

12/23/2013

A/C Reg # :

Date:

Date:

P.O. Box 35408 Greensboro, NC 27425

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

Engine Inspection Items

05-00-00

Engine Position:

Log Book

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.

Engine Gus

for Atlantic Aero, Inc. CRS#: EWGR752D

Engine Model: PT6A-66D Engine Serial #: Engine TSN/TSO: 1,872.60/ Engine CSN/CSO: 1,881/

A/C Reg #: N228CH STP49828 Work Order # : 356

A/C Ser #: A/C Time: 1,872.60

Engine Position

Engine Gas Gen

12/23/2013

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

http://www.atlantic-aero.com

Special Inspection Items

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

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

Special Check 46

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

Routine Maintenance

79-00-00

Log Book

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

for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH Medical Air Operations

Engine Model: PT6A-66D

Engine S/N: RV0009 2/11/2014

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



| Manufacturer SOCATA | Description POWER SECTION MODULE | Model/Type PT6A-66D | Serial Number RV0009 |
|------------------------|----------------------------------|------------------------|-------------------------|
| Time Since New | Cycles Since New | Time Since Overhaul | Cycles Since Overhaul |
| 1673.5 | 1587 63 | ANIA | N/A |
| Aircraft Type | Aircraft S/N | Aircraft Hobbs / TTSN | Aircraft TCSN |
| TBM700 | 356 / 00 | 1673.5 | 1382 |

REMOVED POWER SECTION MODULE SAN: 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.

| S/O No. | 178575 | | | | | asica netow_jq |
|---------|--------|------|-------------|------------------------|-------------|----------------|
| W/Q.No. | A13320 | Date | JUL 03 2013 | Approved Inspector: | Mucho Harry | (4T) (22) |

Form: ATL-3010S

Revised: Mar 2009

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



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

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

This engine has been repaired and inspected in accordance with current regulations of the Federal Aviation Administration and with respect to the work its engine has been repaired and inspected in decordance. Pertinent details of the work performed are on file at this agency under the work order listed be

| S/O No. | 178575 | - | | |
|---------|--------|------|-------------|----------------------------------|
| W/O No. | 13320 | Date | JUL 03 2013 | Approved Inspector: Michael Hans |

Form: A1L-3010S

Revised: Mar 2009

Signature

AME ACA/AMO SCA/AMO

Engine Model: PT6A-66D A/C Reg #: N228CH Engine Serial #: RV0009 Work Order # STP48524 Engine TSN/TSO: 1,673.50 / A/C Ser #: 356 Engine CSN/CSO: A/C Time: 1,673.50

Engine Position: N/A

Log Book : Engine

Date:

7/12/2013

P.O. Box 35408 Greensboro, NC 27425

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

Engine Inspection Items

05-00-00

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.

A/C Reg#:

A/C Ser # :

Date:

Work Order #

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. Dertinent details of these tenants are on file at this repair station under Work Order Number: STP48524

for Atlantic Aero, Inc. CRS#: EWGR752D

N228CH

STP48524

7/12/2013

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 Time: 1,673.50

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

Engine Inspection Items

05-00-00

I certify this ENGINE has been inspected in accordance with an 600 HOUR inspection and is approved for return to

AD notes checked through Bi-Weekly 2013-13.

for Atlantic Aero, Inc. CRS#: EWGR752D

| | ************************************** | Eng.TT Cyc 820.8 66 e manual chapter 5-20-0 | <u>cles</u> 67 02 | | P | C6A-66D V0009 | A/C Reg # : Work Order # | N228CH STP47592 |
|---|--|---|--|----|--|--|--|---|
| | Checked condition of Engine area Ok. Prefor IAW Pratt & Whitney MM, | rmed Compressor Wash | h and "T" Wheel Rinse | | Engine CSN/CSO: 1. | 475 / | A/C Ser # : A/C Time : | 356 |
| | AVV Pratt & vvriitney ivivi, | | y that this Engine has been inspected in | | Engine Position: N | | A/C Time: | 1,535.20 |
| | | | dance with a Annual/100 Hr. Insp. and was nined to be in airworthy condition. | | Log Book : Ei | gine | Date : | 2/11/2012 |
| - | | Repair | r Station No. AJVR135C | | Special Inspection | Itoma | Date, | 3/11/2013 |
| - | | | P&W Ser.No PCE-RV0009 PT6A-66D Reg.Mark N257JM | | 05-20-02 | | | |
| _ | | The ai | rcraft/component identified above was repaired spected in accordance with current Regulations of al Aviation Agency,approved for return to service | | | I certify this ENGINE I following inspecti procedures for the | nas been inspected in a ion 12 month/100 House program listed herein | r Inspection w |
| _ | | Pertine Work Signe MUNC | ent details of the repair are on file at the Agency Order No T0785 Date 6/15/2010 d Linspector for CIE AVIATION CO. CRS#AJVR135C | | Signed: | ? Ands | for | Atlantic Aero, Ir |
| _ | | MUNC | CIE,IN 47308 765-289-7141 | | Engine Model: PT | 5A-66D | | |
| | | | | | Engine Serial # : RV | 0000 | A/C Reg # : | N228CH |
| | · Ř | 1 | - 12 | | Engine TSN/TSO : 1.5 | 25.20 / | Work Order # : A/C Ser # : | STP47592 |
| | ************************************** | VIATION CO.C. | DO#4 ##D4070 | | Eligine CSN/CSO - 14 | 75 / | A/C Time : | 356 1,535.20 |
| | Special Inspections: 1 Yr 400,1000 H | dr specials | RS#AJVR135C *********** | | Engine Position: N/A | ·- | ruc Time, | 1,333.20 |
| | Date A/C Ti | ime Eng.TT | Cycles | | Log Book : Eng | ine | Date : | 2/11/2012 |
| | N257JM 3/23/2011 1027. C/W Annual/100 Inspection ref TBM | 7.6 1027.6 | 792 | | Special Inspection | Itams | Date . | 3/11/2013 |
| | Checked condition of Engine area Ok | k. Preformed Compress | or Wash and "T" Wheel Rinse | | 05-20-02 | | | |
| | —— IAW Pratt & Whitney MM, Removed Fuel Nozzles and sent to | | | | _ | I certify this ENGINE hat following inspection | as been inspected in acon 100 Hour Inspection | cordance with |
| _ | for cleaning and flow test see 8130 | 0 for details | I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual/100 Hr.</u> Insp. and was | | | the program listed l | herein and the aircraft | is approved for |
| - | reinstalled ,torque and saftied C/W 400hr Hot Section Borescope In Airmotive DAY. Replaced "P-3" air | nspection by Dallas | Repair Station No. AJVR135C | | — Signed: | Chulf | | tlantic Aero, Inc |
| _ | P/N 3059788-01 replaced main oil f | filter with new | Make P&W Ser.No PCE-RV0009 Model PT6A-66D Reg.Mark N257JM | | | | tor A | |
| _ | unit P/N 7579522AM. Removed Star by Hoosier Aircraft Accessory. Rei | itenden for OVII. | The aircraft/component identified at | | | ratt 9 Mil | hitmow | Dent |
| | P/N 8012F S/N 393 also replaced St | t/Gen drive seal | Federal Aviation Agency approved for | of | | ratt & W | muney | Pratt 710 W |
| _ | with new unit P/N3059046-01. Prop and sent to Hartzell for inspection due | seller removed | Dedies in the service | | | 2 300 | | 710 00 |
| | | e to loose blades | Work Order No. Tage | | A | Jnited Technologies | Company | Atlanta |
| | in hub. Propeller found to be in unairy | e to loose blades | Work Order No. Tage | | A VIIII A | Jnited Technologies | Company | Atlanta FAA C |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak | e to loose blades worthy condition. ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CAL DESCRIPTION CO. CRS#AJVR135C - | | | | | FAA C |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: | ACFT. S/N: 356 | | |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 6 No. T1253 Date 3/23/201 MUNCIE AVIATION CO. CRS#AJVR135C = = = = | | ACFT. TYPE: SOCATA TBM8 | ACFT. S/N: 356 | A | FAA C |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: | ACFT. S/N: 356 N#: N22 | 8CH A | FAA C CFT. TTSN: CFT. TCSN: |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: | ACFT. S/N: 356 | 8CH A | FAA C CFT. TTSN: CFT. TCSN: NG. TTSN: |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D | ACFT. S/N: 356 N#: N22 | 8CH A | FAA C CFT. TTSN: CFT. TCSN: |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D Page: 1 of 1 | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 | 8CH A | FAA C CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED DOWER 6 | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 | 8CH A | FAA C CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED POWER S WITH P&WC SB 1438 POWER SECTION | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 ECTION MODULE PS-R8R3. REMOVED PT VAN | 8CH A E E E E E E E E E E E E E E E E E E E | FAA CO CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO GENERATOR 3040972CL0 |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED POWER S WITH P&WC SB 1438 POWER SECTION MO SECTION INSPECTION INSTALL ED DECICION | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 ECTION MODULE PS-R 8R3. REMOVED PT VAN DDULE PS-RV0009. REM N. H.S.I COMPLIED WIT | 8CH A E E E E E E E E E E E E E E E E E E E | FAA CO CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO GENERATOR 3040972CL0 ² DN COMPON REINSTALLE |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM88 ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED POWER S WITH P&WC SB 1439 POWER SECTION MO SECTION INSPECTION INSTALLED PT VANE MATED POWERS | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 ECTION MODULE PS-R 8R3. REMOVED PT VAN DULE PS-RV0009. REM N. H.S.I COMPLIED WIT RING ASSY P/N 304098 | 8CH EV0009 FROM GAS ONE RING ASSY P/N MOVED HOT SECTION BY PWES - ATL. 32 S/N CYHRD01 F/N | FAA CO CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO GENERATOR 3040972CLO DN COMPON REINSTALLE C: 23.27 IN P |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM88 ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED POWER SE WITH P&WC SB 1439 POWER SECTION MO SECTION INSPECTION INSTALLED PT VANE MATED POWER SEC CHECKS AND | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 ECTION MODULE PS-R 8R3. REMOVED PT VAN DULE PS-RV0009. REM N. H.S.I COMPLIED WIT RING ASSY P/N 304098 FION MODULE PS-RV00 | 8CH EV0009 FROM GAS ONE RING ASSY P/N MOVED HOT SECTION BY PWES - ATL. BY SYN CYHRD01 F/N GOOT TO GAS GENER | FAA CO CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO GENERATOR 3040972CL0 ² DN COMPON REINSTALLE C: 23.27 IN POATOR MODU |
| | in hub. Propeller found to be in unairy Installed loaner prop from Rice Lak HC-E4N-3/E9083SK S/N HH-584 TSOH 817 8 TSN 2555 7 Engine group | te to loose blades worthy condition. Ke Air Center Mod# | Work Order No. T1253 Date 3/23/201 Signed 67 CO. CRS#AJVR135C MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141 | | ACFT. TYPE: SOCATA TBM8: ENG. MODEL: PT6A-66D Page: 1 of 1 REMOVED POWER SECTION MODEL: WITH P&WC SB 1439 POWER SECTION MODEL: INSTALLED PT VANE MATED POWER SECCHECKS AND GROUP P&WC MAINTENANC | ACFT. S/N: 356 N#: N22 ENG. SN# PCE-RV0009 ECTION MODULE PS-R 8R3. REMOVED PT VAN DULE PS-RV0009. REM N. H.S.I COMPLIED WIT RING ASSY P/N 304098 | 8CH EV0009 FROM GAS ONE RING ASSY P/N MOVED HOT SECTION BY PWES - ATL. B2 S/N CYHRD01 F/N CO1 TO GAS GENER N WITH SATISFACT REV. #12, DATED IN THE PROPERTY OF THE PROPERTY O | FAA CO CFT. TTSN: CFT. TCSN: NG. TTSN: NG. TSO GENERATOR 3040972CLO ² DN COMPON REINSTALLE C: 23.27 IN PO ATOR MODU ORY RESUL DEC 07 2012. |

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

http://www.atlantic-aero.com

with a continuous inspection program per FAR 91.409 (f)3. The on was accomplished in accordance with the inspection and ircraft is approved for return to service.

ero, Inc. CRS#: EWGR752D

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

http://www.atlantic-aero.com

with a continuous inspection program per FAR 91.409 (f)3. The implished in accordance with the inspection and procedures for ed for return to service.

o, Inc. CRS#: EWGR752D

ATL 3010S-A ratt & Whitney Engine Services, Inc.

10 Westlake Parkway lanta, GA 30336-2920 AA CRS # HN4R238M

| ACFT, TYPE: | ACFT. S | 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 |

TOR MODULE GG-RV0009 TO COMPLY CL01 S/N CYHRD01 F/C: 23.27 FROM PONENTS TO COMPLY WITH HOT ALLED HOT SECTION COMPNONENTS. IN POWER SECTION MODULE PS-RV0001. ODULE GG-RV-0009. PERFORMED LEAK SULTS. ALL WORK PERFORMED I/A/W 2012.

EXPORT CONTROL CLASSIFICATION This document does not contain technical data

This engine has been inspected/repaired/modified in accordance with current regulations of the Federal Aviation Administration and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the Federal Aviation and the second accordance with current regulations of the second accordance with the second accorda 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-Jui-2013

Approved Inspector

Jose Ortiz

| Date // | Time since new | Time since overhaul | Total cycles | Details of task | 0 | | | Signature | AME ACA/AMC SCA/AMC |
|--|---|------------------------------|--------------|-----------------|-----------|--|--|--|---------------------------|
| B FEV 10 | 72000 | | | | | Teern | an repaired in | | |
| | | 3 9 | | | | | - monuel | | |
| | | 7. | | | | ini. | | | |
| | | | | | | 4,00 | vice | | |
| | | | | | | E | so the at this | | |
| | | | | | | repay of a second second | UN 32/10 | | |
| | | | | | | Name: GONZALEZ J | 5-/10 | | |
| | | | | | | 01 | | | |
| | | | | | | Stamp: (191) date | MARCH 08 2010 | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Logbook | c-Entry | | | | | | | | |
| aft Registration: N257JM | | | | | | | | | |
| aft Type: Socata T | | | | | | | | | |
| Number: 356 aft Hobbs Hrs: 699.2 | | | · · | | | A-dati- | Teton Aviation Center | Date: 8/4/2010 | |
| ne: P&W PT | | | - | | | - AVIATION Co. | 675 Airport Rd. | Date: 0/4/2010 | |
| ne Total Hrs. 699.2 | | | 4.2.2.2 | | The Table | Teron Aviation Cen | Driggs, ID 83422 | Tach Time: | |
| eller Hartzell | HC-E4N-3/E9083S(K) | | | | | N. M. CIN | 208-354-3100 | raen rime. | |
| al Number: HH2388 seller Total Hrs: 699.2 | | | | | | The state of the s | 200 331 3100 | Total Time: | |
| | / 2009 | | | | | | | | |
| ation: Rheinlar | nd Air Service Werft & Hand | | ch - | | | Jacked aircraft, removed right | pajn wheel and tire assembly. Installed 1 | new Michelin tire P/N 033-63 | 1-0 and new |
| | -inspection i. a. w. Socata Na. w. RAS W/O 190733 | Maintenance Manual | | | | orings in wheel P/N's M8346 | main wheel and tire assembly. Installed 11,261 and M83461/1-145. Serviced tire v | with nitrogen and reinstalled of | on gear. |
| 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. | | | | | | | | | |
| ails of work: formed 100-hrsinspection i. | a. w. SOCATA TBM700 Ma | aintenance Manual | | | | return to | ections identified above were performed in | n accordance with FARs and | is approved for |
| formed Special Inspection Ta , 131 i. a. w. SOCATA TBM7 | asks 5 16 25 45 53 99 1 | 15, 121, 123, 124, 125, 126 | 6, 127, 129, | | | return to service. | Ohen Thelles AT | 2815902 | |
| formed 100-hrsinspection i | . a. w. Pratt&Whitney sched | | | | | | eproce just in the | The state of the s | 1 |
| formed SB70-053A2, Elevato FT 799 hrs. | | | | | | | | | |
| formed SB70-118, Flap Actu n ACTT 799 hrs, Check next | due with ACTT 905 hrs. | | | | | | | | |
| formed SB70-129, Rivet Insp sfactory. | pection at Frame C18 / C19 | , as recurrent action. Found | d | | | | | | |
| rformed SB70-179, Towing B | | | | | | | | | |
| rformed AD2007-03-17, Rive listactory. | | | Found | | | | | | - |
| necked AD2009-13-05, Oxygenecked AD2009-23-12, Oxyge | | | | | | | | | |
| emoved detached edge seale | | | elant | | | | | | |
| ompound. efilled oxygen to max. value. | | | | | | | | | |
| | actuators due to hydraulic f | luid seepage. Checked afte | er several — | | | | | | |
| eaned all three landing gear | | amichance | cont and | | | | | | |
| leaned all three landing gear ear-swings and found satisfac eworked propeller-blades on | front-faces and leading edi- | ges. Repainted blades on fi | Torit- and | | | | | | |
| eaned all three landing gear ear-swings and found satisfac eworked propeller-blades on ar-face, repainted signal-strip | front-faces and leading edges on blade outer edges. | ges. Repainted blades on fi | Torit- and | | | | | | |
| eaned all three landing gear ear-swings and found satisfac eworked propeller-blades on ear-face, repainted signal-strip eaned aircraft exterior and p | front-faces and leading edg pes on blade outer edges. olished windshields | | | | | | | | |
| leaned all three landing gear ear-swings and found satisfacteworked propeller-blades on ear-face, repainted signal-stripleaned aircraft exterior and proceptify that this aircraft/engine taintenance Manual and was | front-faces and leading edg pes on blade outer edges. olished windshields | | | | | | | | |

| - / | Time since new | Time since overhaul | Total cycles | Details of task | () | | E So H | Signature | ACAZAMO SCAZAMO |
|-----------|-------------------|------------------------|--------------|-----------------|-----|-------|--|---|---|
| oril 2009 | | | | | | | Logbook Entry | Log | book Entry |
| | | | | | | | Aircraft Registration N257JM | | 7JM |
| | | | | | | | Aircraft Type Socata TBM850 | Aircraft Type Soc Serial Number 356 | ata TBM850 |
| | | | | | | | Serial Number 356 Aircraft Total Hrs 604.8 | Aircraft Total Hrs. 604 | |
| | | | | | | _ | Engine P&W PT6A-66D | - 3 | V PT6A-66D 0009 |
| | | | | | | | Serial Number RV0009 | Engine L/H Total Hrs 604 | |
| | | | | | | \ | Engine L/H Total Hrs 604 8 Propeller L/H Hartzell HC-E4N-3/E9083S(K) | 1.700.00 | tzell HC-E4N-3/E9083S(K) |
| | | | | | | _ | Serial Number HH2388 | Serial Number HH Propeller Total Hrs 604 | 2388 |
| | | | | | | | Propeller Total Hrs 604 2 | | |
| | | | | | | | Date: 22 April 2008 | Date: | aniland Air Service Werft & Handel GmbH I |
| | | | | | | | Date: 23. April 2009 Location: Rheinland Air Service Werft & Handel GmbH Monchengladbach | | nual Inspection i. a w FAR Part 43D |
| | | | | | | | Scope of Work: 600-hrs -check i a w SOCATA Maintenance Manual | | rk i a. w RAS W/O 190204 |
| | | | | | | | Work 1 a w RAS W/O 190204 | | |
| | - | | | | | | Details of work: | Details of work: For details see scope of wo | rk 600-hrs -inspection performed by Mr N |
| | | | | | | 1 | Performed 600-hrsinspection i a w SOCATA TBM700 Maintenance Manual | A&P 3021579 | |
| | | | | | | \ | Performed the following Special Inspection Tasks i. a. w. SOCATA TBM700 Maintenance Manual | a computer and a control of | مممع من المعادد و والمعادل والمعادل المعادد و |
| | | 100 | | | | - | 2. 4, 6, 7, 8, 12, 15, 16, 25, 28, 33, 34, 35, 37, 43, 45, 47, 48, 49, 52, 53, 57, 59, 62, 63, 64, 68, 71, 75, 76, 77, 78, 81, 84, 87, 88, 91, 93, 97, 98, 100, 101, 102, 103, 110, 122, 128, 132, 133 | Annual Inspection and was | gine/ propeller has been inspected in accordetermined to be in airworthy condition. |
| | | | | | | _ | Altimeter and transponder test i a. w. FAR Part 43 E/F performed by IAE, FAA CF Rep -Station I6EY448N. See IEA Form No. 8A, dated 30 JUL 2008. Next due with JUL 2010. | Signature | 11.11 |
| | | | | | | 1 | Performed ELT-Test a w FAR 91 207d (1-4), found satisfactory Battery due date OCT 2010 | | 1 |
| | | | 1 | | N. | 1 | Issued AD-listing and inserted into RAS Rotating Item List. Listing dated 18. APR 2009. | | |
| | | | | | / | 1 | Performed Compass Swing Performed Starter Generator Brush Check and found within Manufacturers Limits Next due with | | |
| | | | | | | _ | ACTT 1205 hrs. | | |
| | | | | | | | Replaced Fuel Pump Outlet Filter by new. Next due with ACTT 1205 hrs. | | |
| | | | | | | | Removed, cleaned and inspected Fuel Pump Inlet Filter. Next due with ACTT 1205 hrs. Replaced Fuel Unit Filter by new. Next due with ACTT 1205 hrs. | | |
| | | | | | | | Performed Fuel Nozzle Check and found satisfactory. Next due with ACTT 1005 hrs. | | |
| | 1 | | | | | \ \ \ | Performed Hot Section Borescopic Inspection coincide with Fuel Nozzle Check Found satisfactory. Details see CD dated 08 04 2009 attached with this file Recommended due date | | |
| - | | | | | | 1 | ACTT 1005 hrs. Performed SB70-053A2, Elevator Trim Tab, as recurrent action. Found satisfactory. Next due | | |
| | | 1 | | | | | with ACTT 705 hrs. | | |
| | | | | | | | Checked SB70-080A1, Horizontal Stabilizer Outboard Hinge Fittings, for compliance SB implemented at Factory. No further Action required. | | |
| | | | | | | / | Performed SB70-118, Flap Actuator, as recurrent action. Found satisfactory. Cleaning next due with ACTT 705 hrs, Check next due with ACTT 905 hrs. | | |
| | | | | | | 1 | reformed AD2007-03-17 Rivet Inspection at Frame C18 / C19, as recurrent action, Found | | |
| | | | | | | 1 | Satisfactory Next due with ACTT 705 hrs. Checked AD2006-24-07, Propeller Blades, for compliance Propeller not affected. | | |
| | | | | | | 1 | Checked AD2008-19-06, Alternator and Vapor Cycle Cooling System Pulley Drive Assy, for compliance. Aircraft not affected | | |
| | | | | | | / | Checked AD2008-19-10, Emergency Landing Gear Bypass Selector, for compliance. Aircraft not affected. | | |
| | | 4 | | | | // | Checked Actuating Time of heating Separator several times 1, 2, w AMM 71-60-00. No abnormal | | |
| | | | | | | 1 | Checked GNS Data Cords | | |
| | | | | | | 1 | Checked Retraction Time during Cook Styling Detraction Time 11 Seconds Extension Time 10 | | |
| | | | | | / | / | Indication during Test and found satisfactory | | |
| | | | | | | 1 | Cleaned Fuel Filter Bowl during Filter Replacement due to heavy Contamination | | |
| | 1 | | | | | 1 | Replaced L/H TXP-Antenna by new. Functional Check performed and found satisfactory Checked Wiring of SHADIN ETM Key for Identification, removed old Socket, replaced Backshell | | |
| 4 | | | | | | 1 | and reconnected detached Wires Performd functional Check and found satisfactory. | | |
| | | | | | | 1. 3 | Replaced R/H Ignitor Plug by new Functional Check performed and ok Applied Tubing Spiral at L/H MLG Brake Line to avoid further chafing at Structure in Wheel Well | | |
| | | | | | | 1/1 | Reattached Velcro-Tape on several Locations | | |
| | | | | | | 1 | Replaced Bonding Wire at L/H MLG | | |
| | | | | | | 1 | Replaced Bose Head Set Jack next to Door by new Replaced Headset-Jack at R/H rear Position | | |
| | | | | | | | Performed Replacement of Bearings on Aft Central Bracket | | |
| | | | | | | A | | | Page 4 |

LOG BOOK ENTRY N257.JM TBM700 S/No 356

Propeller HC-E4N-3

Airframe Engine PT6A-66D TSO CSO TTSN: 400.3 hrs S/no PCE-RV0009 TLSN: 326 Idas

326

TSN

400.30

CSN

S/No HH2388

Page

CSO

326

1 of 2

JOB NO 10094/EN

TSC

400.30

I cerify that this aircraft had a 100hr inspection I.A.W Socata TBM700 M.M. ref 05:20 02 dated Jul07 at 400.3hrs tacho time and was determined airworthy. This aircraft is approved for return to service. FAA bi-weeklys checked upto 2007-23 and the following AD's actioned. 07-04-13 MLG strut found N/A by total landings

07-06-04 Flap carriage pins found N/A by S/N 07-06-11 Vertical stabilizer fittings found N/A by S/N

07-06-14 Propeller control found N/A by S/N 07-09-07 NLG actuator pin found N/A by batch date code 07-21-10 Cabin door placard found N/A by S/N

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

renewed P/N RG380E/44 S/N 40171770 fitted.

^dministration and is approved for return to service.

Wear pads renewed P/N N7687730500 x64. R/H brake disc renewed P/N N6068757284 Oxygen bottle topped up. Oil sample analysis

The Aircraft identified above was repaired and inspected in accordance

with the current rules and regulations of the Federal Aviation

Authority Art Pending Date 130000007

carried out with all results normal. Propeller blade L/E's dressed and reprotected. S207 overtemp, switch tightened. Aircraft battery

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

ignatureعناد

As at: 13/12/2007

CSN: 326 Cycs

| | | 7 | ٠ ٠٠ | | | | | |
|-----------------------------------|----------------------------------|---------------------|-----------------|----------------|----------|--------------------|-------------|-----|
| Airframe | Engine PT6A-66D | TSO | CSO | TSN | CSN | Propeller HC-E4N-3 | T 00 | |
| TTSN: 400.3 hrs TLSN: 326 ldgs | S/no PCE-RV0009 | | | 400.30 | 326 | S/No HH2388 | TSO 400.30 | CSO |
| TCSN: 326 Cycs | | | | | | 0.110 11112300 | 400.30 | 326 |
| As at: 13/12/2007 | | | | | | | | |
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| Engine | _ | | | | | | | |
| crigine run up and per | formance checks carried out | with all sat | tis in oper | ation. | | | | |
| Next sheduled mainten | nance due at 483.6hrs due to | previous o | over run o | or in May 20 | าดล | | | |
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| The Aircraft identified above | /e was repaired and inspected in | | | | - | | | |
| Will the Current rules and | والمراجع والأستان والمتاريخ | ii accordanc | е | | | | | |
| Administration and is appr | oved for return to service. | ion | | | | | | |
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| Signature | • | , | | | | | | |
| anarnie T | Authority A+P le | _d we_De | ate 13 C | Dec 22 | 57 | | | |
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| | Air Touring Ltd. E | Building 204/ | 205. Biggir | n Hill Airport | . Kent T | N16 3BN | | |

| | Signature | AME ACA/AMO SCA/AMO |
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| 10099 EN Note: next sheduled mainteren | | , |
| Previous over run or in May 2008. | 1 | 1300c 2007 |
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| A/C REC TOTAL | I. # N. 257-271 DA VCTIME SOS HRS. TA | CH TIME 455 |
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| The second or the second | | |
| A Condition determined to be in difficulty consider | | |
| Inis aircraft is approved for rejuit to 30 View | 1 / | |
| Pertinant datails of the work are on the armine | | |
| repair station under work report: 13/09 | | |
| Name: GONZALEZ J | | |
| Stamp: (3) date 72 JAN 2009 | | |
| Tang. | | Page 3 |

| Date/ 1 2 DEC 2005 | Time since new | Time since overhaul | Total cycles | 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: PSR vooo 9 | AME ACA/AMO SCA/AMO |
|---|---|---------------------|-----------------|--|--|------------------------------|
| | | | | | NG/ $\sqrt{\Theta}$ 34850 RPM, at 850 SHP/ $\delta\sqrt{\Theta}$ ITT Trim: 8.2 C° | |
| 10 Auri 2006 12 Auri 2006 19 Auril 2006 | 2 ⁴ 00 3 ⁴ 20 5 ⁴ 50 | 0.0 | 3 | Vol d'essai constructeur | T5 Trim resistance: 1/2.9 Ohms N. TOTH Ohms R. TOTH | T.C. 4-58 NO. 028 |
| 24 AUS : 2006 28 Avril 2006 03 Mai 2006 | | 0.0 | 5 | Vol d'essai constructeur Vol d'essai constructeur Vol d'essai constructeur | A/C REG. # N257 JM DATE 2 5 ALIG 2006 TOTAL A/C TIME 128 HRS. TACH TIME 400 | e gastelf di |
| | | | 1e 03/9 | résent livret à la SOCATA 2006au total de 7 ^{rt} SS U Département Qualité | I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN CIRCLE ONEY ANNUAL (100 HR INSPECTION AS PER MALOS 200 AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION: A+P 2675624 LA SIGNATURE GERTIFICATE NO TYPE | |
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| 1 5 DEC 2006 | 201 | 0 | 300 | | A/C REG. # 15 DEC 2006 TOTAL A/C TIMES A/C HAS BEEN INSPECTED IN I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN | |
| | | Les mores | u de la company | | ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL TOO HE INSPECTION AS PER THAT SEE AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. A+P 2675624 LA SIGNATURE CERTIFICATE NO.TYPE | |
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| | | | | | ECR Papermene us comich for | A+P 2675624 IA 5 DEC 2006 |
| | | | | | | 5 DEC 2000 |

ENGINE DETAILS

| . Manufacturer | Pratt & Whitney Canada | Corp. | | |
|---------------------|------------------------|-------|------|--|
| . Type/Model/Series | PT6A- <u>66D</u> | _B/S: | 1198 | |
| · Serial Number | PCE | | | |