



Transport  
Canada

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Canada

TP 14182  
(Revised 05/2005)

# **Engine Logbook**

# **GAS GENERATOR MODULE LOG BOOK**

TC1001185



05/2005

**Canada**

Volume #: /

Opened on: 11 MAR 2010

## ENGINE DETAILS

Other related Transport Canada Publications:  
TP 14089B  
TP 14058E/F

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

Printed in Canada.

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

1. Manufacturer

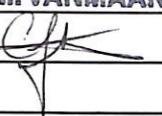
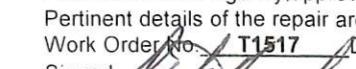
Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1198

3. Serial Number

PCE- RV0207

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
11 MAR 2010	0.0	0.0	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.	This Gas Generator module is combined with Power Section. S/N: PS- <u>RVO 207</u>		
					NG/V0 <u>34700</u> RPM, at <u>850</u> SHP/δV0		
					ITT Trim: <u>18.7</u> C°		
					T5 Trim resistance: <u>48.4</u> Ohms		
						<b>M. VANMAANEN</b>	
21 JUIN 2010	150					1038	 T.C. 4-58 NO. 039
2 JUILLET 2010	3430	0.0	1	Vol d'essai constructeur			
6 JUILLET 2010	4440	0.0	2				
9 JUILLET 2010	5435	0.0	3				
12 JUILLET 2010	6455	0.0	4				
13 JUILLET 2010	8400	0.0	5				
15 Juillet 2010	8450	0.0	6				
			7				
Arrêté présent livret à la SOCATA				SOCATA - DEPARTEMENT QUALITE VERIFICATION et ENTRETIEN STOCKAGE			
le 15/7/10 au total de 8450				<b>DAHER-SOCATA</b> <b>SOCATA</b> Agrément de Production FR-21G - 0027			
Visa du Département Qualité							
 				***** <b>MUNCIE AVIATION CO.CRS#AJVR135C</b> *****			
				Performed all 1Year special inspections per Ch. 05-20-05			
				<b>Date</b> <u>8/4/2011</u> <b>A/C TT</b> <u>144</u> <b>Cycles</b> <u>89</u>			
				N576MA   Annual/100 Hr. Inspection C/W ref TBM Service manual chapter 05-20-01 & 05-20-02 Checked condition of Engine area Ok. Preformed Compressor Wash and "T" Wheel Rinse IAW Pratt & Whitney MM. Grd run op's check-ok. Preformed In-Situ Fuel Nozzle cleaning. Gound check and run-up Ok			
				I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual/100</u> Insp. and was determined to be in airworthy condition. Repair Station No. AJVR135C Make <u>P&amp;W</u> Ser.No <u>PCE-RV0207</u> Model <u>PT6A-66D</u> Reg Mark <u>N576MA</u>			
				The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency.approved for return to service Pertinent details of the repair are on file at the Agency Work Order No. <u>T1517</u> Date <u>8/4/2011</u> Signed  Inspector for MUNCIE AVIATION CO. CRS#AJVR135C MUNCIE, IN 47308 765-289-7141			
							

Section 1: Record of engine maintenance and elementary work

Date -- / -- / --	***** <b>MUNCIE AVIATION CO.CRS#AJVR135C</b> *****				Signature	AME ACA/AMO SCA/AMO
<p>Performed all 1,2 Year special inspections per Ch. 05-20-05</p> <p><b>N576MA</b>      <u>Date</u> <b>8/31/2012</b>      <u>A/C TT</u> <b>232.2</b>      <u>Cycles</u> <b>142</b></p> <p>Annual/100 Hr. Inspection C/W ref TBM Service manual chapter 05-20-02</p> <p>Checked condition of Engine area Ok. Preformed Compressor Wash and "T" Wheel Rinse</p> <p>IAW Pratt &amp; Whitney MM. Grd run op's check-Ok.</p> <p>Preformed In-Situ Fuel Nozzle cleaning.</p> <p>Gound check and run-up Ok</p> <p><b>TBM850</b> by DAHER-SOCATA</p>				<p>Engine Model : PT6A-66D      A/C Reg # : N576MA</p> <p>Engine Serial # : RV0207      Work Order # : STP49601</p> <p>Engine TSN/TSO : 336.80 /      A/C Ser # : 545</p> <p>Engine CSN/CSO : 217 /      A/C Time : 336.80</p> <p>Engine Position :</p> <p>Log Book : Engine      Date : 12/5/2013</p> <p><b>Special Inspection Items</b></p> <p>72-00-00      Complied with pre-purchase engine borescope as follows: Removed two fuel nozzles from engine to gain access for borescope. Removed engine plenum panels to access compressor inlet. Inspected power turbine blades via the exhaust stacks. No defects were noted in or around all inspection areas. Restored all panels removed, resealed and reinstalled fuel nozzles. All work performed in accordance with Pratt &amp; Whitney maintenance manual 72-00-00 and Socata TBM850 maintenance manual 71-60-02.</p> <p>Special Check 38      Special Check 38 - Fuel Manifold Adapters &amp; Nozzles Leak. Test not due at this time. No action required.</p> <p>Special Check 43      Complied with Special Check 43 - Engine Chip Detector with reference to Pratt &amp; Whittney Canada PT6-66D Maintenance Manual PN. 3070902, Chapter 79-20-02.</p> <p>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: STP49601</p> <p>Signed: <u>Anthony Clark</u> for Atlantic Aero, Inc. CRS# EWGR752D</p> <p>Engine Model : PT6A-66D      A/C Reg # : N576MA</p> <p>Engine Serial # : RV0207      Work Order # : STP51451</p> <p>Engine TSN/TSO : 510.70 /      A/C Ser # : 545</p> <p>Engine CSN/CSO : 325 /      A/C Time : 510.70</p> <p>Engine Position :</p> <p>Log Book : Engine      Date : 9/19/2014</p> <p><b>Engine Inspection Items</b></p> <p>05-00-00      I certify this ENGINE has been inspected in accordance with an ANNUAL / A+ inspection and is approved for return to service.</p> <p>AD notes checked through Bi-Weekly 2014-17.</p> <p>Signed: <u>Joe Clark</u> for Atlantic Aero, Inc. CRS# EWGR752D</p> <p>Engine Model : PT6A-66D      A/C Reg # : N576MA</p> <p>Engine Serial # : RV0207      Work Order # : STP49601</p> <p>Engine TSN/TSO : 336.80 /      A/C Ser # : 545</p> <p>Engine CSN/CSO : 217 /      A/C Time : 336.80</p> <p>Engine Position :</p> <p>Log Book : Engine      Date : 12/5/2013</p> <p><b>Special Inspection Items</b></p> <p>C+ / Annual Inspection      I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and is approved for return to service.</p> <p>Reviewed Bi-weekly list through 2013-23 for applicable Airworthiness Directives. None noted.</p> <p>Signed: <u>Anthony Clark</u> for Atlantic Aero, Inc. CRS# EWGR752D</p>		

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

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## Section 1: Record of engine maintenance and elementary work

Engine Model: PT6A-66D  
 Engine Serial #: RV0207  
 Engine TSN/TSO: 510.70/  
 Engine CSN/CSO: 325/  
 Engine Position:  
 Log Book: Engine  
 A/C Reg #: N576MA  
 Work Order #: STP51451  
 A/C Ser #: 545  
 A/C Time: 510.70  
 Date: 9/19/2014



### Special Inspection Items

- Complied with cleaning of P3 filter in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapter 72-00-00.  
 Complied with P-3 Filter Drain Valve Housing Clean & Inspect in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapter 72-00-00.  
 Complied with Special Check 45 - Engine Compressor and Turbine Wash in accordance with Socata TBM850 aircraft maintenance manual chapter 71-00-00.  
 Complied with Special Check 46-Fuel Manifold Adapters & Nozzles Leak Test. Work performed in accordance with Pratt & Whitney PT6 Maintenance Manual 73-10-04. Nozzles cleaned, inspected and leak check by CRS# H1IR069Y, under work order PO-1404335. Reference 8130 dated 4 SEPT 2014.

The items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: STP51451

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

Engine Model: PT6A-66D  
 Engine Serial #: RV0207  
 Engine TSN/TSO: 711.80/  
 Engine CSN/CSO: 454/  
 Engine Position:  
 Log Book: Engine  
 A/C Reg #: N576MA  
 Work Order #: S15-53820  
 A/C Ser #: 545  
 A/C Time: 711.80



1030 PTI Drive, Greensboro NC 27409  
 Tel 800-334-2001 Fax 336-668-4434  
[www.landmarkaviation.com](http://www.landmarkaviation.com)

### Engine Inspection Items

- 05-00-00  
 I certify this ENGINE has been inspected in accordance with a B+/Annual Inspection and 1 Year Special Check items and is approved for return to service.

Signed:   
 for Landmark Aviation, Inc. CRS#: EWGR752D

Engine Model: PT6A-66D  
 Engine Serial #: RV0207  
 Engine TSN/TSO: 711.80/  
 Engine CSN/CSO: 454/  
 Engine Position:  
 Log Book: Engine  
 A/C Reg #: N576MA  
 Work Order #: S15-53820  
 A/C Ser #: 545  
 A/C Time: 711.80  
 Date: 9/18/2015



1030 PTI Drive, Greensboro NC 27409  
 Tel 800-334-2001 Fax 336-668-4434  
[www.landmarkaviation.com](http://www.landmarkaviation.com)

### Special Inspection Items

- Complied with Pratt & Whitney Minor Inspection in accordance with Pratt & Whitney Canada Maintenance Manual number 3070902, chapter 72.00.00.  
 Cleaned and inspected P3 Filter and Drain Housing in accordance with Pratt & Whitney Canada Engine Maintenance Manual number 3070902, chapter 73.10.07.  
 Cleaned P3 Filter in accordance with Pratt & Whitney Canada Engine Maintenance Manual number 3070902, chapter 73.10.07.

SI-35

SI-43

SI-45

Complied With SI-35, Carbon Block and Ring Inspection. Work performed in accordance with Socata TBM700/850 maintenance manual chapter 05-20-05. Inspected Carbon Block Unit and Beta Ring and verified clearances in accordance with Hartzell Propeller Maintenance Manual 143A, chapter 61.10.43. The Carbon Block Unit measured within the permitted side clearance.

Complied With SI-43, Engine Hot Section Borescope Inspection. Work performed in accordance with Socata TBM700/850 maintenance manual chapter 05-20-05. Performed Borescope Inspection of Engine Hot Section in accordance with Pratt & Whitney Canada Engine Maintenance Manual, chapter 72.00.00. Findings submitted for review.

Complied With SI-45, Engine Compressor and Turbine Wash. Work performed in accordance with Socata TBM700/850 maintenance manual chapter 05-20-05.

SI-52

Complied With SI-52, Engine Chip Detector Check. Work performed in accordance with Socata TBM700/850 maintenance manual chapter 05-20-05. Performed Inspection/Check of Magnetic Chip Detector in accordance with Pratt & Whitney Canada Maintenance Manual number 3070902, chapter 72.10.00.

### Routine Maintenance

- 72-00-00  
 Removed engine inlet screen and blended first stage compressor rotor blades as needed to remove rough leading edges on several blades. All work done with reference to P&WC PT6A-66D maintenance manual chapter 72-30-05.

The items identified above and/or provided to the owner on a Work Summary were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at this repair station under Work Order Number: S15-53820

Signed:   
 for Landmark Aviation, Inc. CRS#: EWGR752D



Right from the start. There when you need us.

CUSTOMER: Wisconsin Aviation  
 HOBBS: 814.1 TAT: 814.1  
 ENG MOD: PT6A-66D  
 TTSN: 814.1

REG: N576MA SN: 545  
 LNDGS: 507  
 SN: PCE RV0207  
 TSO: NA  
 CSO: NA

Performed borescope inspection of this engine finding FOD on one 1<sup>st</sup> stage compressor. No other issues were noted at this time. All work accomplished and inspected with reference to TBM700 maintenance manual p/n ZOO.DMAMMPXEDR45, rev 45 dated 12/14 and P & W maintenance manual p/n 3070902, rev 16.1 dated 8/13/15 and other data and methods acceptable to the administrator.

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

Sales Order No: FS46164 Date: 4/6/16  
 Signed:   
 Todd Wheeler

For Dallas Airmotive, Incorporated  
 Repair Station YRRR491L

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



Right from the start. There when you need us.

CUSTOMER: Wisconsin Aviation  
 HOBBS: 814.1 TAT: 814.1  
 ENG MOD: PT6A-66D  
 TTSN: 814.1

REG: N576MA SN: 545  
 LNDGS: 507  
 SN: PCE RV0207  
 TSO: NA  
 CSO: NA

Dressed 1<sup>st</sup> stage compressor blades as required. All work accomplished and inspected with reference to TBM700 maintenance manual p/n ZOO.DMAMMPXEDR45, rev 45 dated 12/14 and P & W maintenance manual p/n 3070902, rev 16.1 dated 8/13/15 and other data and methods acceptable to the administrator.

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

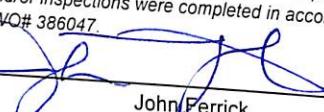
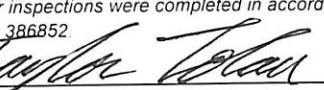
Sales Order No: FS46286 Date: 4/12/16  
 Signed:   
 Todd Wheeler

For Dallas Airmotive, Incorporated  
 Repair Station YRRR491L

Section 1: Record of engine maintenance and elementary work

Date --- / --- / ---	Time since new	Time since overhaul	Total cycles	Details of task	re	AME ACA/AMO SCA/AMO
<p>Date: 5/06/2016; Aircraft: N576MA; Type: TBM 850; S/N: 545; Hobbs: 814.8; Total Time: 814.8; Engine - Type: PT6A-66D, S/N: RV0207, Time: 814.8; Prop - Type: HC-E4N00020, S/N: HH4009, Time: 814.8; Turbine -, H/S Time: 814.8, Cycles: 507 ***Engine Work*** Complied with Daher Annual / A+ inspection. Complied with Minor and Routine Pratt and Whitney Engine Inspection. Re-installed fuel nozzle set p/n FN1500, s/n 53657 after repair by Prime Turbines, CRS# UE5R246N, Wo# W0053657, dated 4/1/2016. Complied with 12 Mo / 600 Hr Daher Special .Check of Engine Chip Detector. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Patrick Higgins A&amp;P 3624624 IA</p> <p><i>St. J.</i></p> <p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p> <p></p> <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p> <p></p> <p>Date: Oct.20,2016      <b>Engine Log Book Entry</b>      Reg.: N576MA Hobbs: 955.6      Aircraft model : TBM700 /850      Engine model: PT6A-66D ACTT: 955.6      Aircraft s/n°: 545      Engine s/n°: PCE-RV0207 Eng.TT: 955,6</p> <p>Unscheduled Maintenance as per Owner-Operator Order dated Oct.17,2016. -Carried-out engine compressor wash, cleaned exhaust duct drain.</p> <p>Signed: M.Smets</p> <p>Certif. : A+P 2494020</p> <p>Smets Aviation Service NV Vliegplein 2 bus 2, B – 3600 GENK Ph.:+32(89)38 66 53</p> <p><b>AERO SALES &amp; INSPECTORS</b></p> <p>Logentry Date 19 June 2017 inspection. Aircraft: Socata TBM 700 Engine: Pratt &amp; Whitney PT6-66D Propeller: Hartzell HC-E4N/ Aircraft total hours: 1061</p> <p><u>Engine</u> Performed an annual, minor 200/1000 hrs inspection i.a.w. FAR 43 appendix D &amp; Pratt &amp; Whitney Maintenance manual checklist 3070902 R15. Changed Torque limiter p/n 3244862-3 in s/n C35448 installed due to torque value variations. SB14473R3 performed no movement of spring pivot observed, no further action performed. Installed Overspeed governor with new gasket ref. SB14509R3. Changed P3 and oil filter. Performed SB14474R2 oil sample. Performed SB14480 safety cable installation. Performed SB14507R1 interconnect rod inspection, no remarks. All AD's complied with up to June 19<sup>th</sup> 2017, Biweekly 2017-12.</p> <p>I certify that this engine has being inspected i.a.w. an annual, minor, 200 /1000 hrs inspection and was determined in an airworthy condition.</p> <p>M. Westenberg A&amp; P 2498403 IA</p> <p><i>M. Westenberg</i></p> <p>M. Westenberg inspection authorization FAA A&amp;P 2498403 IA</p> <p>Date : June 05,2018      <b>Engine Log Book Entry</b>      Reg.: N576MA Hobbs: 1207.4      Aircraft model : TBM700 /850      Engine model: PT6A-66D ACTT : 1207.4      Aircraft s/n° : 545      Engine s/n°: PCE-RV0207 Eng.TT: 1207.4</p> <p>Periodic. A+ Inspection-Maintenance complied with i.a.w. Daher-Socata Z00.DMNMPXEE0R16. Socata SI 2016-005: HTS Engine Oil Introduction i.a.w. P+WC SB 14001 R19. Topped-up w. Aeroshell Turbine Oil 560. Replaced EDHP Fuel Pump Filter AN6235-3A together w. seals as included in Rapco PT6 100hr kit. Fuel Nozzles / Manifold Adapter flow test C/W by Standard Aero as certified on Form One dual release ARCST110281. Carried-out an engine Hot Section Borescope inspection including a first stage compressor borescope inspection with satisfactory results. Cleaned exhaust duct drain. Performed a Compressor Performance recovery wash and Turbine rinse followed by a satisfactory Engine Power check.</p> <p>Signed: M.Smets</p> <p>Certif. : A+P 2494020</p> <p>Smets Aviation Service NV Vliegplein 2 bus 2, B – 3600 GENK Ph.:+32(89)38 66 53</p> <p>186508</p> <p>Date : July 05,2019      <b>Engine Log Book Entry</b>      Reg.: N576MA Hobbs: 1406.8      Aircraft model : TBM700 /850      Engine model: PT6A-66D ACTT : 1406.8      Aircraft s/n° : 545      Engine s/n°: PCE-RV0207 Eng.TT: 1406.8</p> <p>Carried-out a Periodical 100hrs/ Annual Insp. i.a.w.14CFR Pt.43 Appendix D requirements using Socata Z00.DMNMPXEE0R18 Interval B+ as a guidance. Socata SI 2016-005: HTS Engine Oil Introduction i.a.w. P+WC SB 14001 R19. Topped-up w. Aeroshell Turbine Oil 560. Replaced EDFP Outlet Filter element replaced. Installed with new packings. Carried-out, upon Owner-Operator's request, an engine Hot Section Borescope inspection including a first stage compressor borescope inspection. Transferred video's to Owner-Operator. Cleaned exhaust duct drain. Performed a Compressor Performance recovery wash and Turbine rinse followed by a satisfactory Engine Power check.</p> <p>Signed: M.Smets</p> <p>Certif. n° : A+P 2494020</p> <p>Smets Aviation Service NV Vliegplein 2 bus 2, B – 3600 GENK Ph.:+32(89)38 66 53</p> <p>196786</p> <p>WO# 385712      Date: 11/4/2019 Reg# N576MA      Eng. SN: PCE-RV0207 Hobbs: 1429.5      ETT: 1429.5      ETC: 889</p> <p><b>ELLIOTT AVIATION</b></p> <p><b>Engine Log Entry</b></p> <p><b>Maintenance Action</b></p> <p>* Performed borescope of hot section and first stage compressor. No unairworthy discrepancies noted at this time. Reference Borescope Evaluation Report 571219 for details. Work performed referencing PWC Maintenance Manual P/N 3070902, 72-00-00</p> <p>I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 385712</p> <p>Signed <i>Jason Wright</i></p> <p>for Elliott Aviation of Des Moines, Inc. CRS# JEMR166F</p> <p>Elliott Aviation of Des Moines, Inc. Des Moines Airport 2800 McKinley Avenue Des Moines, IA 50321-2806</p> <p>Page 1 of 1</p> <p>Page 4</p>						

## Section 1: Record of engine maintenance and elementary work

Date - - / - - / - -	Time since new	Time since overhaul	Total cycles	Details of task
WO# 386047 Reg# N576MA Hobbs: 1518.7 ETT: 1518.7	Date: 8/31/2020 Eng. SN: PCE-RV0207 ETC: 1245	 <b>Engine Log Entry</b> Elliott Aviation of Des Moines, LLC Des Moines Airport 2800 McKinley Avenue Des Moines, IA 50321-2806		
<b>Inspection</b> * Performed a C+ Inspection in accordance with the C Inspection Guide and the 1 yr items from the Special Checks Guide of the Socata TBM 850 Maintenance Manual. <b>Special Inspection</b> * Complied with 12 mo / 200 hr engine minor inspection referencing PWC PT6A-66D Maintenance Manual 72-00-00. <b>Maintenance Action</b> * Adjusted engine low idle referencing Pratt & Whitney PT6A-66D Maintenance Manual, Chapter 71-00-00.  <i>I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 386047.</i>				
<b>Signed</b>  John Ferrick for Elliott Aviation of Des Moines, LLC CRS# JEMR166F				
Page 1 of 1				
WO# 386472 Reg# N576MA Hobbs: 1606.1 ETT: 1606.1	Date: 9/5/2021 Eng. SN: PCE-RV0207 ETC: 1333	 <b>Engine Log Entry</b> Elliott Aviation of Des Moines, LLC Des Moines Airport 2800 McKinley Avenue Des Moines, IA 50321-2806		
<b>Inspection</b> * A+ Inspection completed in accordance with the A Inspection guide and the 1 yr items from the Special Checks Guide of the Socata TBM 850 Maintenance Manual. <b>Special Inspection</b> * Complied with 200 hr engine minor inspection referencing PWC PT6A-66D Maintenance Manual 72-00-00. * Complied with 400 hr fuel manifold adapters leak and functional test referencing PWC PT6A-66D Maintenance Manual 73-11-05 * Complied with 400 hr engine hot section borescope inspection referencing PWC Maintenance Manual No. 3070902, 72-00-00. <b>Overhaul/Replacement</b> * Installed overhauled no. 14 PT6 duplex nozzle assembly P/N 3119855-01 S/N N/A from Action Aero Inc (AMO#01-08) work order RO145028, see Form One dated 19/Feb/2021. Work performed referencing Pratt & Whitney Canada PT6A-66D M/M 73-11-05  <i>I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 386472.</i>				
<b>Signed</b>  Brett Nelson for Elliott Aviation of Des Moines, LLC CRS# JEMR166F				
Page 1 of 1				
WO# 386852 Reg# N576MA Hobbs: 1727.6 ETT: 1727.6	Date: 10/6/2022 Eng. SN: PCE-RV0207 ETC: 1454	 <b>Engine Log Entry</b> <b>Inspection</b> * B+ Inspection completed in accordance with the B Inspection guide and the 1 yr items from the Special Checks Guide of the Daher TBM 850 Maintenance Manual. <b>Special Inspection</b> * Hot Section Inspection: Split engine at "C" flange and sent hot section items out for inspection and repair. Performed inspection of hot section components referencing Chapter 72-00-00 of Pratt & Whitney Canada Maintenance Manual No. 3070902. Outside work listed below was performed by Dallas Airmotive Inc., Chesterfield, MO (CRS# YRR7491L) on their W/O# RPR60502 dated 27-SEP-2022. - C.T. Disk Assembly, P/N 3053975-01, S/N A002PA01 was repaired; for details see FAA Form 8130-3 dated 27-SEP-2022. - I.E. Duct Assembly, P/N 3123302-01, S/N RWA73C682 was repaired; for details see FAA Form 8130-3 dated 27-SEP-2022. - Inner Combustion Liner, P/N 3116790-01, S/N RWA75C239 was inspected; for details see FAA Form 8130-3 dated 27-SEP-2022. - Outer Combustion Liner, P/N 3055663-01, S/N FTA007A707 was inspected; for details see FAA Form 8130-3 dated 27-SEP-2022. - Inlet Duplex Fuel Nozzle Assembly P/N 3119856-01, Duplex Fuel Nozzle Assembly P/N 3119855-01 (13 Ea.) Inspected / Cleaned / Leakage and Functional Checked; see FAA Forms 8130-3 dated 27-SEP-2022 for details.  Engine was inspected & reassembled referencing Pratt and Whitney Canada PT6A-66D Maintenance Manual P/N 3070902, Chapters 72-50-01, 72-50-02, 72-40-01 and 73-11-05, 72-00-00 & 77-20-01. Performed ground and performance engine runs. Leak checked with no discrepancies noted. * Complied with 12 mo/200 hr minor inspection items referencing periodic inspection table 601 of the Pratt & Whitney Maintenance Manual P/N 3070902 chapter 72-00-00. * Complied with 12 mo bridge chip detectors magnetic pins with correct jumper and continuity check of output terminals referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 79-20-02. * Complied with 400 hr ignition exciter check for condition and attachment, ignition cables for routing attachment and wear due to chaffing, and spark igniters check for cleanliness and erosion function check referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 74-10-00. <b>Maintenance Action</b> * Complied with 200 hr engine compressor desalination wash referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 71-00-00.		
<b>Signed</b>  Taylor Tolan for Elliott Aviation of Des Moines, LLC CRS# JEMR166F				
Page 1 of 1				
<b>OZARK AIRCRAFT MAINTENANCE LLC</b> <b>CAPE GIRARDEAU REGIONAL AIRPORT</b> <b>CAPE GIRARDEAU MO</b> October 1, 2023 N576MA Socata TBM 850 S/N 545 Pratt and Whitney PT6A-66D S/N PCE- RV0207 Hobbs 2018.3 Total time 2018.3 Cycles 1754 On this date performed A+ Inspection and Pratt and Whitney PT6 minor inspection and detailed inspection IAW Daher TBM 700 Manual Chapter 5-20-04. Retorqued alternator and set belt tension. Removed nozzle for repair. Reinstalled after clean and flow check by Standard Aero YRR7491L On W/O RPR62651. Removed and replaced oil filter element. Cleaned P3 filter. Performed ground runs and leak check I Certify that this engine was inspected IAW a A+ 200 hr inspection and was determined to be in an airworthy condition. <b>Noted</b>  Brian J. Ozark AP41640790				

## Section 1: Record of engine maintenance and elementary work

**OZARK AIRCRAFT MAINTENANCE LLC**  
CAPE GIRARDEAU REGIONAL AIRPORT  
CAPE GIRARDEAU, MISSOURI 63701

November 24, 2024 N576MA CAPE GIRARDEAU MO

November 24, 2024 N576MA Socata TBM 850 S/N 545  
Pratt and Whitney PT6A-34

PT6A-66D S/N PCE-RV0203

Hobbs 2464.5 Total time 2464.5 S/N PCE-RV0207  
On this date performed C+ Inspection and Pratt and Whitney PT6 minor inspection and detailed inspection IAW Daher TBM 850 Manual Chapter 5-20-04 as a guide. Retorqued alternator and set belt tension. Removed nozzle for repair. Reinstalled after clean and flow check by Standard Aero YRR7491L On W/O RPR64648. Removed and replaced oil filter element. Cleaned P3 filter. AD24-04-51 Rev 2-16-24 Does not apply effected parts not installed. Performed ground runs and leak check  
I Certify that this engine was inspected IAW a A+ 200 hr inspection and was determined to be in an airworthy condition  
N/A

Noted

Brian J. Ozark AP41640790

TBM

**MAC**  
**Muncie Aviation Company**  
An Employee Owned Company

Piper

Reg. Mark  
N576MA

Hobbs  
2506

6

M

Make

110

11

## Model

1

S/N

1. Complied with P&WC SB A14575 Inspection of first stage power turbine (PT1) blades. Logbook research revealed SB is not applicable due to engine not being repaired or overhauled since June 1, 2023. Ref P&WC SB A14575R2. No further action required.

2. Complied with 1,200 starter generator brush and bearing inspection. Removed starter generator and sent to Hoosier Aircraft for inspection/repair. Reinstalled starter generator p/n 8012F Amdt. E, s/n 603 after repair. Ref Hoosier Aircraft wo 60672. Torqued and safetied mounting hardware.

3. Disconnected manual override cable from fuel control. Pressure lubricated cable. Reconnected and checked control rigging. Ref MM CH 76-10-05.

4. Performed compressor wash and T-wheel rinse. Ref P&WC MM CH 76-10-05.

The article has been repaired and inspected in accordance with the current FAA Regulations and was determined to be airworthy with respect to the maintenance, preventative maintenance or alterations performed. Details are on file at this C.R.S. under Work Order No. S-25-3763.  
Date 3/13/2025 Signed Chet Inspector for Muncie Aviation Company. CRS# AJVR135C, Muncie, Indiana 47302. 765.320.7141



Transport  
Canada      Transports  
Canada

TP 14182  
(Revised 05/2005)

# **Engine Logbook**

## **POWER SECTION MODULE LOG BOOK**

IC1001185



05/2005

**Canada**

Volume #: /

Opened on: 11 MAR 2010

## ENGINE DETAILS

Other related Transport Canada Publications:  
TP 14089B  
TP 14058E/F

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

Printed in Canada.

Please direct your comments, orders and inquiries to:

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

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

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

1. Manufacturer

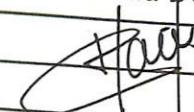
Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1198

3. Serial Number

PS- RVO 207

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task			Signature	AME ACA/AMO SCA/AMO		
11 MAR 2010	0.0	0.0	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.	This Power Section module is combined with Gas Generator. S/N: PCE- RV0207	NG/Vθ 34700 RPM, at 850 SHP /δVθ	ITT Trim: 18.7 C°			
							T5 Trim resistance: 48.4 Ohms	M. VANMAANEN		
								008  T.C. 4-58 NO. 039		
2 JUIN 2010	1 <sup>4</sup> 50	0.0	1	Vol d'essai constructeur						
2 JUILLET 2010	3 <sup>4</sup> 30	0.0	2							
6 JUILLET 2010	4 <sup>4</sup> 40	0.0	3							
9 JUILLET 2010	5 <sup>4</sup> 35	0.0	4							
12 JUILLET 2010	6 <sup>4</sup> 55	0.0	5							
13 Juillet 2010	8 <sup>4</sup> 00	0.0	6							
15 Juillet 2010	8 <sup>4</sup> 50	0.0	7							
Arrêté présent livret à la SOCATA				AERO SALES & INSPECTORS						
le 15/7/10 au total de 8 <sup>4</sup> 50				Logentry Date 19 June 2017	Registration N576MA	Annual check C+ plus				
Visa du Département Qualité				inspection.						
 				Aircraft: Socata TBM 700	Aircraft Serial no 545	TSNEW: 1061 hrs EC. : UK				
				Engine: Pratt & Whitney PT6-66D	s/n Engine PCE -RV0207	TSNEW : 1061 hrs SMOH 247				
				Propeller: Hartzell HC-E4N/	s/n HH4009					
				Aircraft total hours: 1061	Landings Unknown					
				<b>Engine</b>						
				Performed an annual, minor 200/1000 hrs inspection i.a.w. FAR 43 appendix D & Pratt & Whitney Maintenance manual checklist 3070902 R15.						
				Changed Torque limiter p/n 3244862-3 in s/n C35448 installed due to torque value variations. SB14473R3 performed no movement of spring pivot observed, no further action performed. Installed Overspeed governor with new gasket ref. SB14509R3. Changed P3 and oil filter.						
				Performed SB14474R2 oil sample. Performed SB14489 safety cable installation. Performed SB14507R1 interconnect rod inspection. no remarks.						
				All AD's complied with up to June 19 <sup>th</sup> 2017. Biweekly 2017-12.						
				I certify that this engine has being inspected i.a.w. an annual, minor, 200 /1000 hrs inspection and was determined in an airworthy condition.						
				M. Westenberg A&P 2498403 IA	 M. Westenberg Inspection authorization FAA A&P 2498403 IA					

## Section 1: Record of engine maintenance and elementary work

Date -- / -- / --	Time since new	Time since overhaul	Total cycles	Details of task
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WO# 386047 Date: 8/31/2020  
Reg# N576MA Eng. SN: PCE-RV0207  
Hobbs: 1518.7  
ETT: 1518.7 ETC: 1245



### Engine Log Entry

Elliott Aviation of Des Moines, LLC  
Des Moines Airport  
2800 McKinley Avenue  
Des Moines, IA 50321-2806

- Inspection**
- \* Performed a C+ Inspection in accordance with the C Inspection Guide and the 1 yr items from the Special Checks Guide of the Socata TBM 850 Maintenance Manual.
  - \* Special Inspection
  - \* Complied with 12 mo / 200 hr engine minor inspection referencing PWC PT6A-66D Maintenance Manual 72-00-00.
  - \* Complied with 12 mo chip detector operational test referencing PWC PT6A-66D Maintenance Manual 72-00-00.
  - \* Adjusted engine low idle referencing Pratt & Whitney PT6A-66D Maintenance Manual, Chapter 71-00-00.
- I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 386047.*

Signed John Ferick

for Elliott Aviation of Des Moines, LLC  
CRS# JEMR166F

Page 1 of 1

WO# 386472 Date: 9/5/2021  
Reg# N576MA Eng. SN: PCE-RV0207  
Hobbs: 1606.1  
ETT: 1606.1 ETC: 1333



### Engine Log Entry

Elliott Aviation of Des Moines, LLC  
Des Moines Airport  
2800 McKinley Avenue  
Des Moines, IA 50321-2806

- Inspection**
- \* A+ Inspection completed in accordance with the A Inspection guide and the 1 yr items from the Special Checks Guide of the Socata TBM 850 Maintenance Manual.
  - \* Special Inspection
  - \* Complied with 200 hr engine minor inspection referencing PWC PT6A-66D Maintenance Manual 72-00-00.
  - \* Complied with 400 hr fuel manifold adapters leak and functional test referencing PWC PT6A-66D Maintenance Manual 73-11-05
  - \* Complied with 400 hr engine hot section borescope inspection referencing PWC Maintenance Manual No. 3070902, 72-00-00.
  - \* Complied with 1 yr / 600 hr chip detector operational test and condition check referencing PWC PT6A-66D Maintenance Manual 72-00-00.
- Overhaul/Replacement**
- \* Installed overhauled no. 14 PT6 duplex nozzle assembly P/N 3119855-01 S/N N/A from Action Aero Inc (AMO#01-08) work order RO145028, see Form One dated 19/Feb/2021 Work performed referencing Pratt & Whitney Canada PT6A-66D M/M 73-11-05.
- I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 386472.*

Signed Brett Nelson

for Elliott Aviation of Des Moines, LLC  
CRS# JEMR166F

Page 1 of 1

WO# 386852 Date: 10/6/2022  
Reg# N576MA Eng. SN: PCE-RV0207  
Hobbs: 1727.6  
ETT: 1727.6 ETC: 1454



### Engine Log Entry

#### Inspection

- \* B+ Inspection completed in accordance with the B Inspection guide and the 1 yr items from the Special Checks Guide of the Daher TBM 850 Maintenance Manual.
  - \* Special Inspection
- \* Hot Section Inspection Split engine at "C" flange and sent hot section items out for inspection and repair. Performed inspection of hot section components referencing Chapter 72-00-00 of Pratt & Whitney Canada Maintenance Manual No. 3070902. Outside work listed below was performed by Dallas Airmotive Inc Chesterfield MO (CRS# YRR7491L) on their W/O# RPR60502 dated 27-SEP-2022

- C T Disk Assembly P/N 3053975-01 S/N A002PA01 was repaired for details see FAA Form 8130-3 dated 27-SEP-2022
- I E Duct Assembly P/N 3123302-01 S/N RWA73C682 was repaired for details see FAA Form 8130-3 dated 27-SEP-2022
- Inner Combustion Liner P/N 3116790-01 S/N RWA75C239 was inspected for details see FAA Form 8130-3 dated 27-SEP-2022
- Outer Combustion Liner P/N 3055663-01 S/N FTAA007A707 was inspected for details see FAA Form 8130-3 dated 27-SEP-2022
- Inlet Duplex Fuel Nozzle Assembly P/N 3119856-01 Duplex Fuel Nozzle Assembly P/N 3119855-01 (13 Ea) Inspected / Cleaned / Leakage and Functional Checked see FAA Forms 8130-3 dated 27-SEP-2022 for details

Engine was inspected & reassembled referencing Pratt and Whitney Canada PT6A-66D Maintenance Manual P/N 3070902 Chapters 72-50-01 72-50-02 72-40-01 and 73-11-05 72-00-00 & 77-20-01. Performed ground and performance engine runs. Leak checked with no discrepancies noted

- \* Complied with 12 mo/200 hr minor inspection items referencing periodic inspection table 601 of the Pratt & Whitney Maintenance Manual P/N 3070902 chapter 72-00-00
- \* Complied with 12 mo bridge chip detectors magnetic pins with correct jumper and continuity check of output terminals referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 79-20-02
- \* Complied with 400 hr ignition exciter check for condition and attachment ignition cables for routing attachment and wear due to chaffing and spark igniters check for cleanliness and erosion function check referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 74-10-00
- \* Maintenance Action
- \* Complied with 200 hr engine compressor desalination wash referencing Pratt & Whitney Maintenance Manual P/N 3070902 chapter 71-00-00

*I certify this Engine is in an airworthy condition with respect to the maintenance and/or inspection performed and is approved for return to service. All maintenance and/or inspections were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this agency under WO# 386852.*

Signed Taylor Tolan

for Elliott Aviation of Des Moines, LLC  
CRS# JEMR166F

Page 1 of 1

Elliott Aviation of Des Moines LLC  
Des Moines Airport  
2800 McKinley Avenue  
Des Moines, IA 50321-2806