



Transport
Canada

Transports
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

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

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:

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Place de Ville,
Tower C, 5th Floor
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Ottawa, ON K1A 0N8

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

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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.
21 JUIN 2010	450	0.0	1	Vol d'essai constructeur
2 JUILLET 2010	3430	0.0	2	
6 JUILLET 2010	4440	0.0	3	
9 JUILLET 2010	5435	0.0	4	
12 JUILLET 2010	6455	0.0	5	
13 JUILLET 2010	8400	0.0	6	
15 JUILLET 2010	8450	0.0	7	
Arrêté présent livret à la SOCATA le 15/7/10 au total de 8450 Visa du Département Qualité				

This Gas Generator module is combined with
Power Section.

S/N: PS- RV0207

NG/NO 34700 RPM, at 850 SHP/810

ITT Trim: 18.7 C°

T5 Trim resistance: 48.4 Ohms

Signature

AME
ACA/AMO
SCA/AMO

M. VANMAANEN

T.C. 4-58
NO. 039

DAHER-SOCATA

SOCATA - DEPARTEMENT QUALITE
VERIFICATION et ENTRETIEN STOCKAGE

SOCATA

Agrément de Production
FR - 21G - 0027

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

Performed all 1Year special inspections per Ch. 05-20-05

N576MA Date 8/4/2011 A/C TT 144 Cycles 89
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.
Ground check and run-up Ok

I certify that this Engine has been inspected in
accordance with a Annual/100 Insp. and was
determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser. No. PCE-RV0207

Model PT6A-66D Reg. Mark N576MA

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. T1517 Date 8/4/2011

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141

MAC

TBM850

by DAHER-SOCATA

Section 1: Record of engine maintenance and elementary work

Date
--/--/--

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

Performed all 1,2 Year special inspections per Ch. 05-20-05

Date 8/31/2012 A/C TT 232.2 Cycles 142

Annual/100 Hr. Inspection C/W ref TBM Service manual chapter 05-20-02

Checked condition of Engine area Ok. Performed Compressor Wash and "T" Wheel Rinse

IAW Pratt & Whitney MM. Grd run op's check-ok.

Performed In-Situ Fuel Nozzle cleaning.

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual/100 Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-RV0207

Model PT6A-66D Reg.Mark N576MA

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. T2246 Date 8/31/2012

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



TBM850

by DAHER-SOCATA

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

Performed all 1,2 Year special inspections per Ch. 05-20-05

Date 10/4/2013 A/C TT 324.4 Cycles 265 Current C 176

Annual/B+ Inspection C/W ref TBM Service manual chapter 05-20-02

C/W SB70-204 Amendment #1 Installation of A Chip Detector System Allowing S/N 545 to be

Placed on New Inspection Program, Next Inspection Due in 200 Hrs or 12 Months

Chip detector Kit OPT70K142-00 for G1000

Borescoped Engine per customers request No issue Noted, reinstalled #13 Fuel nozzle

using new "O" rings and gasket, Torqued and saftied

Checked condition of Engine area Ok. Performed Compressor Wash and "T" Wheel Rinse

IAW Pratt & Whitney MM. Grd run op's check-ok.

Performed In-Situ Fuel Nozzle cleaning.

Ground check and run-up Ok

I certify that this Engine has been inspected in accordance with a Annual/B+ Insp. and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make P&W Ser.No PCE-RV0207

Model PT6A-66D Reg.Mark N576MA

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. S000434 Date 10/4/2013

Signed [Signature] Inspector for

MUNCIE AVIATION CO. CRS#AJVR135C

MUNCIE, IN 47308 765-289-7141



TBM850

by DAHER-SOCATA

Engine Model : PT6A-66D
Engine Serial # : RV0207
Engine TSN/TSO : 336.80/
Engine CSN/CSO : 217/
Engine Position :
Log Book : Engine

A/C Reg # : N576MA
Work Order # : STP49601
A/C Ser # : 545
A/C Time : 336.80

Date : 12/5/2013



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

Special Inspection Items

C+ / Annual Inspection

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and is approved for return to service.
Reviewed Bi-weekly list through 2013-23 for applicable Airworthiness Directives. None noted.

Signed

[Signature]

for Atlantic Aero, Inc. CRS# EWGR752D

Signature

AME
ACA/AMO
SCA/AMO



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

Engine Model : PT6A-66D
Engine Serial # : RV0207
Engine TSN/TSO : 336.80/
Engine CSN/CSO : 217/
Engine Position :
Log Book : Engine

A/C Reg # : N576MA
Work Order # : STP49601
A/C Ser # : 545
A/C Time : 336.80
Date : 12/5/2013

Special Inspection Items

- 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 & Whitney maintenance manual 72-00-00 and Socata TBM850 maintenance manual 71-60-02.
- Special Check 38 Special Check 38 - Fuel Manifold Adapters & Nozzles Leak. Test not due at this time. No action required.
- Special Check 43 Complied with Special Check 43 - Engine Chip Detector with reference to Pratt & Whitney Canada PT6-66D Maintenance Manual PN. 3070902, Chapter 79-20-02.

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

Signed

[Signature]

for Atlantic Aero, Inc. CRS# EWGR752D

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

Engine Inspection Items

- 05-00-00 I certify this ENGINE has been inspected in accordance with an ANNUAL / A+ inspection and is approved for return to service.
AD notes checked through Bi-Weekly 2014-17.

Signed

[Signature]

for Atlantic Aero, Inc. CRS# EWGR752D



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

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
 Date : 9/19/2014

A/C Reg #: N576MA
 Work Order #: STP51451
 A/C Ser #: 545
 A/C Time : 510.70

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

Special Inspection Items

Complied with cleaning of P3 filter in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapter 72-00-00.

Special Check 45 Complied with P-3 Filter Drain Valve Housing Clean & Inspect in accordance with Pratt & Whitney Canada PT6-66D maintenance manual chapter 72-00-00.

Special Check 46 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: *[Signature]* 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
 Date : 9/18/2015

A/C Reg #: N576MA
 Work Order #: S15-53820
 A/C Ser #: 545
 A/C Time : 711.80

LANDMARK AVIATION
 1030 PTI Drive, Greensboro NC 27409
 Tel 800-334-2001 Fax 336-668-4434
 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: *[Signature]* 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
 Date : 9/18/2015

A/C Reg #: N576MA
 Work Order #: S15-53820
 A/C Ser #: 545
 A/C Time : 711.80

LANDMARK AVIATION
 1030 PTI Drive, Greensboro NC 27409
 Tel 800-334-2001 Fax 336-668-4434
 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.

SI-35 Cleaned P3 Filter in accordance with Pratt & Whitney Canada Engine Maintenance Manual number 3070902, chapter 73.10.07.

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.

SI-43 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.

SI-45 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: *[Signature]* 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 TCSN: 507

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

F.A.A. CRS YRRR491L
 7511 Lemmon Ave
 Hangar C
 Dallas, Texas 75209

Performed borescope inspection of this engine finding FOD on one 1st 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: *[Signature]* 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 TCSN: 507

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

F.A.A. CRS YRRR491L
 7511 Lemmon Ave
 Hangar C
 Dallas, Texas 75209

Dressed 1st 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.


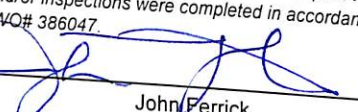
Sales Order No: FS46286 Date: 4/12/16
 Signed: *[Signature]* Todd Wheeler


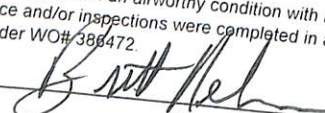
For Dallas Airmotive, Incorporated
 Repair Station YRRR491L

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	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</p> <p>***Engine Work***</p> <p>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.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</p> <p>Patrick Higgins A&P 3624624 IA</p> <p><i>[Signature]</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>Date: Oct.20,2016 Hobbs: 955.6 ACTT: 955.6 Eng.TT: 955.6</p> <p>Engine Log Book Entry Reg.: N576MA Aircraft model: TBM700 /850 Engine model: PT6A-66D Aircraft s/n: 545 Engine s/n: PCE-RV0207</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 <i>[Signature]</i> 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><i>166111</i></p>					
<p>AERO SALES & INSPECTORS</p> <p>Logentry Date 19 June 2017 inspection.</p> <p>Aircraft: Socata TBM 700 Engine: Pratt & Whitney PT6-66D Propeller: Hartzell HC-E4N/ Aircraft total hours: 1061</p> <p>Registration N576MA Aircraft Serial no 545 s/n Engine PCE -RV0207 s/n HH4009 Landings Unknown</p> <p>Annual check C+ plus TSNEW: 1061 hrs EC.: UK TSNEW: 1061 hrs SMOH 247</p> <p>Engine</p> <p>Performed an annual, minor 200/1000 hrs inspection i.a.w. FAR 43 appendix D & Pratt & Whitney Maintenance manual checklist 3070902 R15.</p> <p>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.</p> <p>Performed SB14474R2 oil sample. Performed SB14489 safety cable installation. Performed SB14507R1 interconnect rod inspection, no remarks.</p> <p>All AD's complied with up to June 19th 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&P 2498403 IA <i>[Signature]</i></p> <p>M. Westenberg inspection authorization FAA A&P 2498403 IA</p>					
<p>Date: June 05,2018 Engine Log Book Entry 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.</p> <p>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 ARCST1110281.</p> <p>Carried-out an engine Hot Section Borescope inspection including a first stage compressor borescope inspection with satisfactory results. Cleaned exhaust duct drain.</p> <p>Performed a Compressor Performance recovery wash and Turbine rinse followed by a satisfactory Engine Power check.</p> <p>Signed: M.Smets <i>[Signature]</i> 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><i>186508</i></p>					
<p>Date: July 05,2019 Engine Log Book Entry 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.</p> <p>Socata SI 2016-005: HTS Engine Oil Introduction i.a.w. P+WC SB 14001 R19. Topped-up w. Aeroshell Turbine Oil 560.</p> <p>Replaced EDFP Outlet Filter element replaced. Installed with new packings.</p> <p>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.</p> <p>Cleaned exhaust duct drain.</p> <p>Performed a Compressor Performance recovery wash and Turbine rinse followed by a satisfactory Engine Power check.</p> <p>Signed: M.Smets <i>[Signature]</i> 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><i>196786</i></p>					
<p>WO# 385712 Date: 11/4/2019 Reg# N576MA Eng. SN: PCE-RV0207 Hobbs: 1429.5 ETT: 1429.5 ETC: 889</p> <p>ELLIOTT AVIATION</p> <p>Engine Log Entry</p> <p>Maintenance Action</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>[Signature]</i> Jason Wright 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>					

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	<div>  Engine Log Entry </div> <div> Elliott Aviation of Des Moines, LLC Des Moines Airport 2800 McKinley Avenue Des Moines, IA 50321-2806 </div>		
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. Maintenance Action * 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 Ferrick for Elliott Aviation of Des Moines, LLC CRS# JEMR166F				

WO# 386472 Reg# N576MA Hobbs: 1606.1 ETT: 1606.1	Date: 9/5/2021 Eng. SN: PCE-RV0207 ETC: 1333	<div>  Engine Log Entry </div> <div> Elliott Aviation of Des Moines, LLC Des Moines Airport 2800 McKinley Avenue Des Moines, IA 50321-2806 </div>		
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				

WO# 386852
Reg# N576MA
Hobbs: 1727.6
ETT: 1727.6

Date: 10/6/2022
Eng. SN: PCE-RV0207
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.
- * 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.

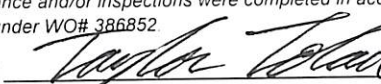
- C.T. Disk Assembly, P/N 3053975-01, S/N A002PA01 was repaired; for details see FAA Form 8130-3 dated 27-SEP-2022.
- I.E. Duct Assembly, P/N 3123302-01, S/N RWA73C682 was repaired; for details see FAA Form 8130-3 dated 27-SEP-2022.
- Inner Combustion Liner, P/N 3116790-01, S/N RWA75C239 was inspected; 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

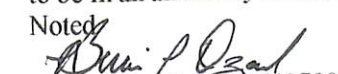
for Elliott Aviation of Des Moines, LLC
CRS# JEMR166F

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OZARK AIRCRAFT MAINTENANCE LLC CAPE GIRARDEAU REGIONAL AIRPORT CAPE GIRARDEAU MO

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.

Noted

Brian J. Ozark AP41640790

Section 1: Record of engine maintenance and elementary work

[illegible]



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

POWER SECTION

MODULE LOG BOOK

TC1001185



05/2005

Canada

Volume #: 1

Opened on: 11 MAR 2010

ENGINE DETAILS

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

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

Section 1: Record of engine maintenance and elementary work

Date --/--/---	Time since new	Time since overhaul	Total cycles	Details of task
11 MAR 2010	○ ○	○ ○	○	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/NO 34700 RPM, at 850 SHP /δVθ ITT Trim: 18.7 C° T5 Trim resistance: 48.4 Ohms
				M. VANMAANEN T.C. 4-58 NO. 039
21 juin 2010	1 ^h 50	0.0	1	VOL d'essai constructeur
2 JUILLET 2010	3 ^h 30	0.0	2	
6 JUILLET 2010	4 ^h 40	0.0	3	
9 JUILLET 2010	5 ^h 35	0.0	4	
12 juillet 2010	6 ^h 55	0.0	5	
13 juillet 2010	8 ^h 00	0.0	6	
15 juillet 2010	8 ^h 50	0.0	7	
				SOCATA - DEPARTEMENT QUALITE VERIFICATION et ENTRETIEN STOCKAGE
				DAHER-SOCATA SOCATA Agrément de Production ER - 21G - 0027
				AERO SALES & INSPECTORS Logentry Date 19 June 2017 inspection. Aircraft: Socata TBM 700 Engine: Pratt & Whitney PT6-66D Propeller: Hartzell HC-E4N/ Aircraft total hours: 1061 Registration N576MA Annual check C+ plus Aircraft Serial no 545 s/n Engine PCE -RV0207 s/n HH4009 Landings Unknown TSNEW: 1061 hrs EC.: UK TSNEW : 1061 hrs SMOH 247 <u>Engine</u> 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 th 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

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



ELLIOTT
AVIATION

Engine Log Entry

Maintenance Action

Signed John Ferrick for Elliott Aviation of Des Moines, LLC
CRS# JEMR166F

Page 1 of 1



ELLIOTT
AVIATION

Engine Log Entry

Overhaul/Replacement

agency under WOF 386472.

Signed Brett H. [Signature] for Elliott A. [Signature]

Inspection instructions were completed in accordance with the applicable manufacturer's maintenance manuals. Pertinent details are on file at this

Signed Brett Nelson
Brett Nelson
for Elliott Aviation of Des Moines, LLC
CRS# JEMR166F

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ELLIOTT
AVIATION

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

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
Taylor Tolan CRS# JEMR166F

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