



Transport
Canada

Transports
Canada

TP 14182
(Revised 05/2005)

Engine Logbook

GAS GENERATOR MODULE LOG BOOK

TC-1001185



05/2005

Canada

Volume #: 1

Opened on: 07 JUN 2017

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.

2. Type/Model/Series E.T.C. E- 21 PT6A- 66D B/S: 1354

3. Serial Number PCE- RVO546


[illegible]


le 03/11/17 au total de 8125


Visa du Département Qualité



Section 1: Record of engine maintenance and elementary work



TBM
DAHER



Muncie Aviation Company
 An Employee Owned Company



Piper

Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSN
N813GG	110.5	P&W	PT6A-66D	RV0535	110.5	110.5	97	110.5

Socata First Inspection C/W ref TBM Service manual chapter 5-20-02
 C/W Compressor Wash & Isitu Fuel Nozzle cleaning per P&W MM Ch 71-00-00
 Reinstalled bleed lines and drain plugs following wash
 I Certify that this Engine has been inspected in accordance with a First Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service.
 Details of the repair/inspection are on file at this C.R.S under Shop Order No. S-18-0513
 Date 6/20/2018 Signed [Signature] Inspector For Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



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Piper

Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSOH
N813GG	174.2	P&W	PT6A-66D	RV0546	174.2	174.2	131	174.2

C/W Annual/A+ Inspection ref TBM Service manual chapter 5-20-02
 Completed compressor wash cleaning Ref. PWC MM CH. 71-00-00.
 Performed Torque Limiter function check - OK.
 See AD Listing Dated 12/6/2018 for Details
 I Certify that this Engine has been inspected in accordance with a Annual/A+ Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service.
 Details of the repair/inspection are on file at this C.R.S under Shop Order No. S-18-0717
 Date 12/7/2018 Signed [Signature] Inspector For Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141


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Piper

Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSOH
N813GG	346.6	P&W	PT6A-66D	RV0546	346.6	346.6	250	346.6

C/W Annual/B+ Inspection ref TBM Service manual chapter 5-20-03
 Completed compressor wash cleaning Ref. PWC MM CH. 71-00-00.
 ITT exceedance was 944 dec. for 11 sec. Area A of Fig. 501 in P&WC PT6A-66D MM. P/N 3070902 Chap. 71-00-00.
 Performed a boar-scope inspection of Exhaust Case, Exhaust Ducts and 2nd stage PT Blades no defects noted at this time, will check Battery for condition and check start sequence on post-maintenance ground run.
 Removed Oil Cooler air inlet duct, removed defective battery vent air inlet hose coupling and replaced with NEW couplingg T700A24300061000 and reinforcement P/N T700H5120085100 IAW Daher Repair Data Sheet No. 70-299 Ref. Drawing
 See AD Listing Dated 12/31/2019 for Details
 I Certify that this Engine has been inspected in accordance with a Annual/B+ Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service.
 Details of the repair/inspection are on file at this C.R.S under Shop Order No. S-19-1086
 Date 1/6/2020 Signed [Signature] Inspector For Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



MAC
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Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSOH
N813GG	463.9	P&W	PT6A-66D	RV0546	463.9	463.9	339	463.9

C/W Annual/A+ Inspection ref TBM Service manual chapter 5-20-02

Completed compressor wash cleaning Ref. PWC MM CH. 71-00-00.

Comply with 400 hour fuel nozzle flow test. Reinstalled using new gaskets and orings. Torqued and safetied

See AD Listing Dated 2/3/2021 for Details

I Certify that this Engine has been inspected in accordance with a Annual/A+ Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service.

Details of the repair/inspection are on file at this C.R. Stunder Shop Order No. S-21-1700

Date 2/4/2021 Signed [Signature] Inspector For Muncie Aviation Company

CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



FAA CRS # URZR891L / EASA.145.5152

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

Date : 04/15/2021

Serial Number : 1196

Registration : N813GG

Aircraft type : TBM 700N

Meter Time: 480.2 Hobbs

Time Since New : 480.2

Cycle Since New : Ukn

Work Order : 7312

- Eng. PT6A-66D S/N. RV0546 TSN. 480.2 CSN. Ukn
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades, no defect noted.
- Engine survey performed by Southeast Turbines, CRS #E7BR231O, under W.O. #TS8356, dated 04/15/2021. No defect found at this inspection. Inserted Borescope Inspection Report in engine log book.

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. # 7312,

Date : 04/15/2021 Signature: [Signature] Darren SEAGO

CRS # URZR891L / EASA. 145.5152

[illegible]

Signature

AME
ACA/AMO
SCA/AMO**DAHER**

FAA CRS # URZR891L / EASA.145.5152

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

Date : 09/15/2022

Serial Number : 1196

Registration : N813GG

Aircraft type : TBM 700N

Meter Time: 612.2 Hobbs

Time Since New : 612.2

Cycle Since New : 453

Work Order : 7572

- PT6A-66D s/n - RV0546, Eng. TT - 612.2, Eng. TC - 453
- The Engine trend monitor picked up the following exceedances and resolution for each exceedance.
 1. On 11 Sep 2022 at 16:59:21 there was an ITT exceedance of 857 degrees C and an Ng exceedance of 104.4% for a total of 2 seconds. According to Pratt & Whitney maintenance manual figures 501 and 505 from Chapter 71-00-00, ITT exceedance fell within no action required and the Ng exceedance fell into area A, document exceedance.
 2. On 12 Apr 2022 at 17:20:26 there was an ITT exceedance of 842 degrees C for a total of 14 seconds. According to Pratt & Whitney maintenance manual figure 501 from Chapter 71-00-00, ITT exceedance fell within no action required.
 3. On 28 Jul 202 at 13:30:51 there was an ITT exceedance of 868 degrees C and an Ng exceedance of 105.3% for a total of 4 seconds. According to Pratt & Whitney maintenance manual figures 501 and 505 from Chapter 71-00-00, ITT exceedance fell within no action required and the Ng exceedance fell into area A, document exceedance.

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. # 7572,

Date : 09/15/2022 Signature:  Dino Fantinato

CRS # URZR891L / EASA. 145.5152

DAHER

FAA CRS # URZR891L / EASA.145.5152

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

Date : 04/06/2023

Serial Number : 1196

Registration : N813GG

Aircraft type : TBM 700N

Meter Time: 646.5 Hobbs

Time Since New : 646.5

Cycle Since New : 478

Work Order : 7869

- Engine PT6A-66D S/N. RV0646 TSN.646.5 CSN. 478
- Performed a Standard A+/Annual Inspection IAW TBM AMM, Chapt's 05-20-02, 05-20-05, 14 CFR Part 91.409(a)(1) and Part 43 Appendix D.
- Performed a FOD visual inspection of the first stage compressor blades IAW P&WC Maintenance Manual, Chapter 72-30-05. No discrepancies noted.
- Performed engine minor inspection IAW P&WC Maintenance Manual, Chapter 72-00-00 paragraph 8 Table 601.
- Removed P3 filter bowl and drain valve assembly. Cleaned and Inspected P3 filter. Re-installed P3 filter, filter bowl and drain valve assembly with new o-rings IAW P&W EMM, Chapter 73-10-07.
- C/W AGB internal scavenge screen inspection IAW P&WC Maintenance Manual, Chapter 72-60-00. No defects noted. Performed ground run and leak checks as required with no defects being noted.
- Removed and replaced RGB chip detector P/n: 3045951-02 with new IAW P&WC Maintenance Manual, Chapter 72-10-00. Performed operational checks with no further defects being noted.
- C/W P&WC SIL PT6A-213 Inspected engine compressor inlet case for corrosion, no defect noted. 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 IAW Pratt & Whitney maintenance manual chapter 71-00-00.

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. # 7869,

Date : 04/06/2023 Signature:  Darren SEAGO

CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared in accordance with "A +" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Pertinent details on file under W.O # 7869 and Copy given to customer.

Aircraft T.T : 646.5 Engine T.T : 646.5 Prop T.T : 646.5

Signature:  Darren SEAGO

Date : 04/06/2023 CRS # URZR891L / EASA 145.5152

SERVICE CENTER