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TP 14182  
(Revised 05/2005)

# Engine Logbook

## GAS GENERATOR MODULE LOG BOOK

TC-1001185



05/2005

Canada

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Opened on: 06 JUN 2019

Other related Transport Canada Publications:

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TP 14058E/F

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TP 3910E, 2nd Edition (Jan. 1987)  
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TP 14182E  
(05/2005)  
TC-1001185  
Catalogue No. T52-4/2-2003E

## 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- RV0648



## 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
06 JUN 2019	0.0	N/A	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-RV0648 NG/VO 34600 RPM, at 850 SHP/8VO ITT Trim: 17.4 C° T5 Trim resistance: 61.0 Ohms	G. GERTRIDGE G. Gertridge
17 JUL 2019	1H 50	0.0	1	Vol d'essai constructeur		
22 AUG 2019	3H 25	0.0	2			
23 AUG 2019	4H 55	0.0	3			
28 AUG 2019	5H 55	0.0	4			
30 AUG 2019	6H 50	0.0	5			
02 SEP 2019	7H 40	0.0	6			
03 SEP 2019	10H 10	0.0	7			
05 SEP 2019	11H 50	0.0	8			
10 SEP 2019	12H 40	0.0	9			
Arrêté présent livret à la Cie DAHER le 10/09/2019 au total de 12H 40 Visa du Département Qualité				Cie DAHER - DEPARTEMENT QUALITE VERIFICATION et ENTRETIEN STOCKAGE	DAHER COMPAGNIE DAHER Agrément de Production FR-21G-0018	



# Section 1: Record of engine maintenance and elementary work

**DAHER**

Date : 02/24/2020

Meter Time : 86.2 Hobbs

FAA CRS # URZR891L / EASA.145.5152

Serial Number : 1295

Time Since New : 86.2

Registration : N41JT

Cycle Since New : 56

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

Aircraft type : TBM 700N

Work Order : 6986

- Eng. PT6A-66D, S/N.PCE-RV0648, TSN. 86.2, CSN. 56
- Complied with aircraft First Inspection IAW TBM Maintenance Manual, Chapter 05-20-01 and 05-12-01. Found aircraft in airworthy condition.
- Performed preliminary F.O.D. borescope inspection of engine first stage compressor blades with no defects being noted.
- Complied with engine compressor performance recovery wash IAW Pratt & Whitney maintenance manual Part No. 3070902, Revision No.17.1, Dated AUG 18/2016 Chapter 71-00-00. Operational check performed with no discrepancies being noted at this time.

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. # 6986,  
Date : 02/24/2020 Signature: Darren SEAGO  
CRS # URZR891L / EASA. 145.5152

I certify that this Engine has been inspected/repared in accordance with "First 100 hrs" inspection per Socata MM & Far 43 and IAW EASA-145 and determine to be in Airworthy condition. Pertinent details on file under W.O # 6986 and copy given to customer.  
Aircraft T.T : 86.2 Engine T.T : 86.2 Prop T.T : 86.2  
Signature : Darren SEAGO  
Date : 02/24/2020 CRS # URZR891L / EASA 145.5152

**TBM**  
DAHER

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

**Piper**

Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSN
N41JT	140.2	P&WC	PT6A-66D	RV0648	140.2	140.2	104	140.2

Annual/A+ Inspection C/W Ref. DAHER TBM 930/940 MM. Chap.05-20-02 and 05-20-05 (A1).  
C/W Compressor Wash, CT-Wheel Rinse IAW P&WC PT6A-66D MM. Chap. 71-00-00.  
Service Air Conditioning system to Daher new Specifications  
replaced all 4 service port valve cores with new, p/n 8089000070 and installed new caps, p/n 2211008 and 2211009.  
Applied a vacuum. No leaks detected. Service with 10 ml of oil with dye check in it and serviced with 1.35 kg of R134 refrigerant.  
AD's checked to this date see AD List Dated 09/21/2020 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-20-1531  
Date 09/25/2020 Signed Darren SEAGO Inspector For Muncie Aviation Company  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

N41JT

PT6A-66D

Eng SN RV0648

Eng TSN 208.2

TBM 940

NC SN 1295

Hobbs 208.2

Ludgs 195

This engine experienced a inadvertent shutdown and relight during taxi, IIT recorded was 1018 °C. An engineering evaluation provided by P&WC, shows the engine is in serviceable condition per Letter DAA 2021-600-PT6A-66D-RV0648.

A+P Jack Lutz API38745785  
Atlanta Turbine Management, Inc

**TBM**  
DAHER

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

**Piper**

Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSN
N41JT	219.5	P&WC	PT6A-66D	RV0648	219.5	219.5	146	219.5

Annual/B+ Inspection C/W Ref. DAHER TBM 930/940 MM. Chap.05-20-03 and 05-20-05  
C/W Compressor Wash, CT-Wheel Rinse IAW P&WC PT6A-66D MM. Chap. 71-00-00.

AD's checked to this date see AD List Dated 10/4/2021 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-21-2004

Date 10/12/2021 Signed Darren SEAGO Inspector For Muncie Aviation Company  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

**DAHER**

FAA CRS # URZR891L / EASA.145.5152

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

Date : 04/19/2022

Serial Number : 1295

Registration : N41JT

Aircraft type : TBM 700N

Meter Time : 86.2 Hobbs

Time Since New : 86.2

Cycle Since New : 56

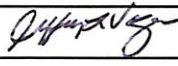
Work Order : 6986

- Performed FOD visual inspection of the first stage compressor blades IAW P&WC EMM, Chapter 72-30-05. No defects noted.
- Performed compressor, turbine recovery wash IAW P&WC EMM, 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. # 6986,  
Date : 04/19/2022 Signature: Darren SEAGO  
CRS # URZR891L / EASA. 145.5152



Section 1: Record of engine maintenance and elementary work

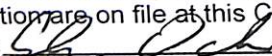
Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
Aug 1/2022	283.5	—		This Engine Experienced An A Exceedance of 887 Deg C For 5.2 Seconds An Inspection Was made & found No Issues put Engine Back In Service		JP50158171A



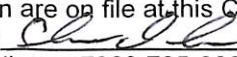
Reg. Mark	Hobbs/Tach	Make	Model	S/N	A/C TT	ETT	Cycles	PTSM
N41JT	296.9	P&WC	PT6A-66D	RV0648	296.9	296.9	117	296.9

Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT	Cycles
N41JT	383.0	P&WC	PT6A-66D	RV0648	383.0	383.0	217

Completed A+ inspection IAW Socata inspection checklist. Ref. MM CH 05-20-01.  
Complied with all applicable 1-year special inspection requirements IAW Daher Special Inspection Checklist.  
Completed compressor wash and T wheel rinse. Ref. PWC MM CH. 71-00-00.  
Complied with 1 year Auto Throttle Functional test. All checks of auto throttle functional test checked good.

See AD Listing Dated 10/06/2022 for Details.  
I certify that this Engine has been inspected in accordance with a A+/Annual 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 for the repair/inspection are on file at this C.R.S under Shop Order No. S-22-2360  
Date: 10/07/2022 Signed:  Inspector for Muncie Aviation Company  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

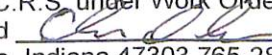
- Completed a C+ inspection IAW Daher MM CH 5-20-00.
- Complied with all applicable 1-year special inspection requirements IAW Daher Special Inspection Checklist.
- Performed with compressor wash and T-Wheel rinse.
- Complied with 400 hour fuel manifold adapters inspection. Removed and reinstalled nozzles after inspection by Standard Aero, using new orings and gaskets, torqued and safetied. Ref. P&WC MM CH 73-10-03. Ref Standard Aero wo RPR62696.
- Complied with 400 hour borescope inspection. No defects noted.
- Took oil sample and sent to AvLab. Oil sample report contained no negative results.
- Exceedance recorded on 06/07/2023 at 6:54PM Duration 4 seconds, ITT Celsius 885, Np RPM 180, Ng% 35.6, IAS Kts 0. Visually inspected turbine section through exhaust duct. No defects noted. Recorded exceedance in engine logbook. Cleared exceedance.
- Operational and leak check of above items found to be satisfactory.

See AD Listing Dated 9/27/2023 for details.  
I certify that this Engine has been inspected in accordance with a C+/Annual 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 for the repair/inspection are on file at this C.R.S under Shop Order No. S-23-2899  
Date: 10/16/2023 Signed:  Inspector for Muncie Aviation Company  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141



Reg. Mark	Hobbs	Make	Model	S/N	A/C TT	ETT
N41JT	399.9	P&WC	PT6A-66D	RV0648	399.9	399.9

- Removed #14 fuel nozzle and performed borescope inspection. No defects noted. Uploaded pictures to MAC server. Reinstalled nozzle using new gasket and orings. Torqued and safetied. Ground run and leak check good.

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-23-3095  
Date: 12/18/2023 Signed:  Inspector for Muncie Aviation Company.  
CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141.





Reg. Mark N41JT Hobbs 573.9 Make P&WC Model PT6A-66D S/N RV0648 A/C TT 573.9 ETT 573.9 Cycles 345

1. Removed engine and sent to Standard Aero for repair due to first stage compressor damage.

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-23-3016 Date 11/11/2024 Signed [Signature] Inspector for Muncie Aviation Company. CRS# AJVR135C. Muncie, Indiana 47303. 765-289-7141.

StandardAero				StandardAero					
40591 Airport Rd, New London, NC 28127				CRS# SA7R522E					
Manufacturer:	Pratt & Whitney Canada			Model No:	PT6A-66D				
Description:	Engine Assembly			Serial No:	PCE-RV0648				
TSN:	573.9	CSN:	345	Work Order:	44-02073				
Life Limited Components Installation (Note: Refer to SB, Latest Revision, for Approved Life Limits)				Order/Task:	1750/2				
				CSO:	N/A				
Name:	P/N:	S/N:	Total Cycles	Cycles Rem	Name:	P/N:	S/N:	Total Cycles	Cycles Rem
Rotor, Stg 1 Comp	3042701	MCAKAYBM024	0	24000	Impeller	3036898	FRAEPWYN26	345	23655
Rotor, Stg 2 Comp	3040942	MCAKAXUB055	345	23655	Disk, Stg 1 PT	N/D			
Rotor, Stg 3 Comp	3040933	MCAKAXUM053	345	23655	Disk, Stg 2 PT	N/D			
Rotor, Stg 4 Comp	3040944	EAAE000R160	345	23655	Blade, PT 2	N/D			
Disk, CT	3053740-01	YUAB001N132	345	7655					
Blades, CT	N/D								
Details of work performed:									
Note: Shaft, Rotor Comp - P/N: 3043063, S/N: PKAAA825240; Total Cycles: 345, Cycles Remaining: 23655									
Performed Compressor F.O.D. Repair, Installed (1) each New Condition Oil Filter P/N: 3059258-01 and (1) each New Condition Fuel Filter P/N: 3059779-01. Tested and Preserved engine in accordance with the Pratt & Whitney Canada PT6A-66D Maintenance Manual P/N: 3070902 Rev. No. 27.0 dated October 7, 2024 and the Pratt & Whitney Canada PT6A-66D Overhaul Manual P/N: 3070903 Rev. No. 22.0 dated December 23, 2024. TSN: 573.9; CSN: 345; TSO: N/A; CSO: N/A.									
Pertinent details of this repair are on file at this repair station under work order: 44-02073									
The aircraft, aircraft engine, appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is considered airworthy and approved for return to service with respect to the work performed.									
AUTHORIZED BY (PRINT):				SIGNATURE:		DATE:			
Brad R. Buhl				<u>[Signature]</u>		March 4, 2025			



Reg. Mark N41JT Hobbs 573.9 Make P&WC Model PT6A-66D SN RV0648 ACTT 573.9 ETT 573.9 Cycles 345

1. Completed an Annual/A+ inspection IAW Daher MM CH 5-20-00.
2. Performed compressor wash and T-wheel rinse.
3. Complied with all applicable 1 year special inspection items.
4. Removed engine due to first stage compressor damaged and sent to Standard Aero for repair. Reinstalled engine after repair by Standard Aero. Ref Standard Aero wo 44-02073. Reconnected engine control cables, engine hoses, and wiring harnesses. Reinstalled inertial separator. Serviced with 9 quarts Aeroshell 560.
5. AD 2024-04-51 Failure of second-stage power turbine (PT2) blades. Complied with during repair. Ref Standard Aero wo 44-02073.
6. P&WC SB A14575R2 Inspection of first stage power turbine (PT1) blades. Complied with during repair. Ref Standard Aero wo 44-02073.
7. Replaced oil cooler inlet duct with new, p/n T700H792001901200. Ref Daher wo 4501220887.
8. Operational and leak check of above items good.

See AD list dated 3/25/2025 for details.

I certify that this Engine has been inspected in accordance with an 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 for the repair/inspection are on file at this C.R.S under Shop Order No. S-23-3016 Date 4/14/2025 Signed [Signature] Inspector for Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141





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TP 14182  
(Revised 05/2005)

# Engine Logbook

## POWER SECTION MODULE LOG BOOK

TC-1001185



05/2005

Canada



Volume #: 1

Opened on: 06 JUN 2019

## 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 PS- RY0648

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

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