



Engine Logbook

GAS GENERATOR MODULE LOG BOOK





Volume #: Opened on: 0 6 JUN 2019

ENGINE DETAILS

Pratt & Whitney Canada Corp. 1. Manufacturer

3. Serial Number

2. Type/Model/Series

E.T.C. E- 21 PT6A- 66D B/S: 1354

PCE-RV6648

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

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

Date//	Time since new	Time since overhaul	Total cycles	Details of task		Signat	AME ACA/AMC SCA/AMO
0 6 JUN 2019	0.0	N/A	0	inhibiting run completed satisfactorily ———and is in condition for safe operation.	This Gas Generator module is combined with Power Section. S/N: PS-RVO648		
	\rightarrow			N	G/√Θ <u>346∞</u> RPM, at <u>850</u> SHP/δ√Θ .		
					ITT Trim: [7.4 C°		
					T5 Trim resistance: 61.0 Ohms	G. GERTF	748
						9	0
17 JUL 2019		0.0	1	Vol d'essai constructeur			
22 ACIG 2019		0.0	2				
23 AUG 2019		0.0	3				
28 AUG 2019		0.0	4				
30 AUG 2019		0.0	5				
02 SEP 2019		0.0	6				
03 SEP2019		0.0	7				
05 SEP 2019		0.0	8				
10 SEP 2019	12440	0.0	9				
	Arrêté prése	nt livret à la Cie	DAHER	· · · · · · · · · · · · · · · · · · ·			DAHER
					Cie DAHER - DEPARTEMENT QUALITE	COM	PAGNIE DAHER
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		work			
					NHIJT
DAHER			Daher Aircraft, Inc.		PT6A-66D
Data	FAA CRS	# URZR891L / EASA.145.5152	601 NE 10th Street		Engsh RV064
Date : 02/24/2020	Serial Number : 1295		Pompano Beach, FL 33060		
Meter Time: 86.2 Hobbs	Time Since New : 90 0	Registration: N41JT	Aircraft type : TBM 700N		ENGTSN 208.2
 Eng. PT6A-66D, S/N.PCE-RV0 Complied with aircraft First Inst 		Cycle Since New : 56	Work Order: 6986		
- Performed proliming	Decilon IAW TBM Maintenance La		Found aircraft in airworthy condition.		This engine
- Complied with engine compre	porescope inspection of engine first	nual, Chapter 05-20-01 and 05-12-01. stage compressor blades with no defe IAW Pratt & Whitney maintenance	Found aircraft in airworthy condition. ects being noted. manual Part No. 3070902, Revision		and relight de
discrepancies boins	essor performance recovery wash Chapter 71-00-00. Operational chec this time.	IAW Pratt & Whitney maintenance	ects being noted.		1018 °C 1
The aircraft Airf	this time.	k performed with no	mandar Fart No. 3070302, Nevision		
Federal Aviation Administration	Propeller, Appliance Identified Abov	/e Was Repaired A	cordance With Current Regulation Of To Service For the Work Performed.		by Powe, st
Date : 02/24/2020 0:	And Accordance With EASA 1 epair Ae on File At This Repair Sta Darren St	45.A.50 And Is Approved For But	cordance With Current Regulation Of		condition per 1
CRS # URZR891L / EASA. 14	5.5152 Darren St	tion Under W.O. # 6986,	To Service For the Work Performed.	_	
210A. 14	0.0102				
	I certify that this Engine has	been inspected/repaired in accordance			
	with "First 100 hrs" inspection	been inspected/repaired in accordance on per Socata MM & Far 43 and IA o be in Airworthy condition.	ce	_	
	details on si-	be in Airms in a 1 al 43 and IA	w		
	Aircraft (.T : 86.2 Engine T.T	86 and copy given to customer	ent		
	Date : 02/24/02	. 86.2 Prop T.T : 86.2			
	Signature :	R891L / EASA 145 5450			TE
		145.5152			
					Reg. Mark
					N41JT
				$\overline{}$	
					Annual/B+ Insp C/W Compress
TBI					C/VV Compress
	DAHED VILIPAGE -				AD's checked to
Reg. Mark Hobb	An Employ	Owned Company			I Certify that this
N41JT	Make Make	Owned Company			to be in airworth
C/W Ca Inspection	P&WC Model	Company	Piper [*]		current Regulati Details of the re
C/W 1 year To	Ref. DAHED - 16A-661	2/14			Date
Service Air Condition	miter function chart IAW P&WC	0 MM. Chap 05 20 140.2	ETT Cycles PTSN		CRS# AJVR135
Applied all 4 service	miter function check during engin ing system to Daher new Specific port valve cores with new, p/n 80 leaks detected Specific	D RV0648 140.2 D PT6A-66D MM. Chap. 05-20-05 e ground run-up	140.2 104 140.2		Orton ric trives
AD's checked	leaks detected with new present	Pations 71-00-00.	(A1).		- :SALIED
10 10 (11)	101- C. OHIVIO- CO	09000			DAHER
to be in airworthy com	ngine has been income	20 for D with dye check in stalled new caps, p	/n 2211000		
current Regulations of	Iltion. The aircraft/com-	0 MM. Chap.05-20-02 and 05-20-05 PT6A-66D MM. Chap. 71-00-00. e ground run-up rations 189000070 and installed new caps, p. 19900070 of the company of the co	viced with 1 35 kg of D424		Date: 04/19/2022
Date of the repair/ins	Pederal Aviation Agency	ntified about Annual/A	/n 2211008 and 2211009. /iced with 1.35 kg of R134 refrigerant.		Meter Time: 86.2 Hobbs
CRS# A II :: S	igned are on file at this C.D.	ed for return	ection and was determined		- Performed FOD visua
AJVR135C, Mur	Icie, Indiana	D8900070 and installed new caps, p.	cted in accordance with		- Performed FOD visual - Performed compression
	igned are on file at this C.R.S. ocie, Indiana 47303 765-289-71.	ael No			The aircraft Airframe
	1 209-71	Inspector For Muncie	Autor		Federal Aviation Adr
		- Inde	Aviation Company —	Lie	Permanent Records Date: 04/19/2022 S
					I Data : 04/19/2022 Si
			_	7.21	CRS # URZR891L / E

N4IJT TBM940	Signature	AME ACA/AMO SCA/AMO
PT6A-66D NC SN 129	5	
Eng SN RVO648 Mobbs 20	8.2	
EngTSN 208.2 Lodgs 19	5	
This engine experienced a enadverte	it Shutdown	
and relight during taxi. It records	l was	
1018 . An engineering evaluation		
by PAWC, shows the engine is in sen	si Cabla	
condition per Letter DAA 2021-600-PT	6. A. 66D - BYDLYR	
	6.11 000	
ASP And Enter AD130	3745785	
Attanta Turking Manage	1	
	7	

TBM

Muncie Aviation Company



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

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 <u>Engine</u> has been inspected in accordance with a <u>Annual/B+</u> 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 Inspector For Munci 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

Serial Number : 1295 Time Since New: 86.2

Registration: N41JT Cycle Since New: 56 Aircraft type: TBM 700N 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 Accordance With EASA 145.A.50 And Is Approved For Return To Service For the Work Performed. Permanent Records Of Tige Repair Are on File At This Repair Station Under W.O. # 6986,
Date: 04/19/2022 Signature: CRS # URZR891L / EASA. 145.5152

Date //	Time since new	Time since overhaul		cycles		[Details of t	ask					
Reg. Man N41JT mpleted A+ inspect mplied with all app mpleted compress mplied with 1 year D Listing Dated 10/	296.9 ion IAW Socata it icable 1-year spe or wash and T who Auto Throttle Fur	Make P&WC Inspection checial inspection eel rinse. Referenctional test.	Model PT6A-66D ecklist. Ref. Non requirement. PWC MM (All checks of	S/N RV0648 MM CH 05-20 nts IAW Dah CH. 71-00-00 f auto throttle	A/C TT 296.9 0-01. er Special Ins). functional te	st checked	d good.	<u>Piper</u> . <u>PTSM</u> 296.9	-	5.2 pmpde Engr	Enginie Second Reg. Mark N41JT	Hobbs 383.0	Muncie An Emp
by that this <u>Engine</u> in airworthy condition of Fellow III in the regulations of Fellow III in the repair/ins in 10/07/2022 Sign # AJVR135C, Municipal III in the regulation of the repair/ins in 10/07/2022 Sign # AJVR135C, Municipal III in the regulation of the reg	on. The aircraft/coderal Aviation Ago bection are on file ed:	ency, approve at this C.R.S	ntified above ed for return under Shop Inspe	to service. Order No	a and mspeci	ed ili acco	ordance with			 Complie Perform Complie Using no Complie Took oi Exceed Visually exceed Operation See AD List I certify that to be in ain current regulation	ted a C+ inspective with all applicated with compressed with 400 hour lew orings and gated with 400 hour learned and send ance recorded or inspected turbinance. The condition of Federal the repair/inspected to the repair/	able 1-year sp sor wash and fuel manifold skets, torqued borescope inset to AvLab. On 06/07/2023 e section thro eck of above in 023 for details as been inspet The aircraft/cal Aviation Agaion are on file	ecial inspection T-Wheel rins adapters inspection. No dispection. No dispection. No dispection and sample report the sample report the sample report the sample exhaust of the sample report to the sample report the sample report in according to
										using new gas e article has be be airworthy wit tails are on file	Reg. Mark N41JT fuel nozzle and p ket and orings. T en repaired and i h respect to the r at this C.R.S. und	Hobbs 399.9 Derformed bororqued and son an appected in an anintenance, ther Work Order	afetied. Grour ccordance wit preventative i er No. S-2

	Signature	AME ACA/AMO SCA/AMO
This EngiNE Experience AN A		
 Exceeling of 887 DeaC For		
 5.2 Seconds An In Sperticults		
proper of found No Issues put	Orthogon 2	AP50188178A
 Engrue Back a Servere		

MAG cie Aviation Company Employee Owned Company

Piper

Cycles Model S/N A/C TT ETT RV0648 383.0 383.0 217 PT6A-66D

- -20-00.
- ction requirements IAW Daher Special Inspection Checklist.
- spection. Removed and reinstalled nozzles after inspection by Standard Aero, ied. Ref. P&WC MM CH 73-10-03. Ref Standard Aero wo RPR62696.
- o defects noted.
- eport contained no negative results.
- Duration 4 seconds, ITT Celsius 885, Np RPM 180, Ng% 35.6, IAS Kts 0. st duct. No defects noted. Recorded exceedance in engine logbook. Cleared
- I to be satisfactory.

cordance with a <u>C+/Annual</u>Inspection and was determined identified above was repaired and inspected in accordance with oved for return to service. S-23-2899 S under Shop Order No. Inspector for Muncie Aviation Company 7141

MAC lviation Company yee Owned Company



<u>Model</u> S/N A/C TT ETT PT6A-66D RV0648 399.9 399.9

pection. No defects noted. Uploaded pictures to MAC server. Reinstalled nozzle ound run and leak check good.

with the current FAA Regulations and was determined e maintenance or alterations performed. -23-3095

tor for Muncie Aviation Company. Date 12/18/2023 Signed Insp CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141.



Hobbs

573.9

Reg. Mark

N41JT



ETT

Cycles

345

toster	Mondia	Com	DOM
An Emp	loyee Owne	10	- as a
	TO THE OWNE	O L Om	namy

Model

S/N A/C TT

PT6A-66D 1. Removed engine and sent to Standard Aero for repair due to first stage compressor damage. RV0648 573.9 573.9

Make

P&WC

The article has been repaired and inspected in accordance with the current FAA Regulations and was determined to be airworthy with respect to Date 11/11/2024 Signed Signed Inspector for Muncie Aviation Company. CRS# AJVR135C. Muncie, Indiana 47303. 765-289-7141.

Standar 40591 Airpor Manufacturer:	t Rd, New Londo	n, NC 28127	StandardAero CRS# SA7R522E						
Description:	Pratt & W	hitney Canada	Model No:						
Engine Assembly		Serial No:		PT6A-66D					
		CSN:	345 No:		-		Work Order:	44-0	02073
	Life Lin	nited Components I	nstallation (TSO:	10	Order/ Task: CSO: Proved Life Limits	17	50/2
Name:			monation (Vote: Refer	to SB, Latest Re	N/A	CSO:	N	I/A
otor, Stg 1 Comp	P/N:	S/N:	Total Cust			vision, for App	proved Life Limits		
otor, Stg 2 Comp		MCAKAYBM024		Cycles Rem	Name:				
otor, Stg 3 Comp	3040942	MCAKAXUB055	0	24000	Impeller	P/N:	S/N:	Total Cycles	Cycles Rer
otor, Stg 4 Comp	3040933	MCAKAXUM053	345	23655	Disk, Stg 1 PT	3036898	FRAEPWYN26	345	23655
isk, CT	3040944	EAAE000R160	345	23655	Disk, Stg 2 PT	N/D	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	5.55	70.283
lades, CT	3053740-01	YUAB001N132	345	23655	Blade, PT 2	N/D			
	N/D	-1000114132	345	7655	olade, PT 2	N/D			
etails of work perf	ormed:					AND STORY			
15; TSO: N/A; CSO:	the Pratt & Wh	3063, S/N: PKAAA pair. Installed (1) ea accordance with th hitney Canada PT6/	ie Pratt & Wh A-66D Overha	uitney Canad aul Manual	lter P/N: 305925 da PT6A-66D M P/N: 307000	ning: 23655 8-01 and (1) ea Iaintenance Ma	ch New Condition Inual P/N: 3070902 ed December 23, 2	Fuel Filter P	/N: 305977
" and the details - C	the second second second						ed December 23, 2	MOA TONI FOR	O CCNI.
003R0 B	Brad R. Buhl		SIGNATURE	701	return to service	with current n	naintenance rules of the work performed	the Federal A	viation



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

- Completed an Annual/A+ inspection IAW Daher MM CH 5-20-00.
- Performed compressor wash and T-wheel rinse.
- Complied with all applicable 1 year special inspection items.
- 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.
- AD 2024-04-51 Failure of second-stage power turbine (PT2) blades. Complied with during repair. Ref Standard Aero wo 44-02073. P&WC SB A14575R2 Inspection of first stage power turbine (PT1) blades. Complied with during repair. Ref Standard Aero wo 44-02073. Replaced oil cooler inlet duct with new, p/n T700H792001901200. Ref Daher wo 4501220887. 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 Inspector for Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303. 765-289-7141





Engine Logbook

POWER SECTION MODULE LOG BOOK







Volume #:

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TC-1001185 Catalogue No. T52-4/2-2003E

ENGINE DETAILS

Pratt & Whitney Canada Corp. 1. Manufacturer

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

PS-RY0648 3. Serial Number

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
0 6 JUN 2019		NA		N c l c tost	This Power Section module is combined with Gas		
	0.0	1421		New engine final acceptance test completed satisfactorily and is in	Generator. S/N: PCE-RV0648		
				condition for safe operation.			
					NG/√0 <u>3H600</u> RPM, at <u>850</u> SHP /δ√0		
	\rightarrow				ITT Trim: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
					T5 Trim resistance: 61.0 Ohms	G. GERTRIDGE	
						864 Grand market	T.C. 4-58 NO . 003
					,	0 0	
17 JUL 2019	1450	0.0	1	Vols constructeurs			
22 AUG2019	3 H 2 5	0.0	2	Vols constructeurs) 		
23 AUG 2019	4H 55	0.0	3				
28 AUG 2019	5H 55	0.0	4				
30 AUG 2019	6 H 50	0.0	5		·		
02 SEP 2019	7440	0.0	6				
03 SEP 2019	10410	0.0	7				
05 SEP 2019	11450	0.0	8				
10 SEP 2019	12440	0.0	9				
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	Arrôtó prás	ent livret à la Ci	e DAHER		VERIFICATION et ENTRETIEN STOCKAGE	COMPAGNIE Agrément de P	roduction
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