

Engine Logbook



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

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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

ENGINE DETAILS

1. Manufacturer	Pratt & Whitney Canada Corp.
2. Type/Model/Series	E.T.C. E- 12 PT6A- 42A B/S: 1415
3. Serial Number	PCERM 0 8 23

THIS ENGINE SERVICED WITH bp TURBO 2380 OIL AT THE PIPER FACTORY

CYCLE COUNT AS OF OCT 1 3 2018

NUMBER OF CYCLES 7



Section 1: Record of engine maintenance and elementary work

Time since new Time since overhaul Total cycles 1 1 AUG 2018 O NA O	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation. "Applied Procyon corrosion inhibitor to	NG/ $\sqrt{\Theta}$ 35 χ 00 RPM, at 850 SHP/ δ $\sqrt{\Theta}$ ITT Trim: 23.4 C° T5 Trim Resistance: 50. χ Ohms	Signature E. WEISTRA 3155373	AME ACA/AMO SCA/AMO
Date: 10/3/18 Aircraft S/N: 4698090 Reg. Number: N603MA Aircraft Engine Model: PT6A-42A S/N: PCE-RM0 82 3	compressor inlet case per Pratt & Whitney Maintenance Manual P/N 3021442 Chapter 72-06-00."		William D	SwoOsSen
TTE:				
Date: 10/12/18 Aircraft S/N: 4698090 Reg. Number N60 3 MA Aircraft Engine Model: PT6A-42A S/N: PCE- PM0 8 2 3				
Performed Engine Water Wash Pratt & Whitney Maintenance Manual Part Number 3021442 Papter/ Section 71-00-00, Power Plant Cleaning, Engine Washing Instructions Signature: Name: David T Wallace Jr A&P Certificate Number: AP51627416 PIPER AIRCRAFT, INC.				

Section 1: Record of engine maintenance and elementary work

Date Time since Time since Total cycles --/--/--Details of task new overhaul TBM **Muncie Aviation Company** An Employee Owned Company Reg. Mark Hobbs/Tach N603MA S/N P&W PT6A-42A PCE-RM0823 C/W 1st Warrantable 50 Hr Inspection using Piper Form P/N 765-044 The aircraft/component identified above was repaired/inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed Details of the repair/inspection are on file at this CRS under Shop Order No. S-19-0844 Inspector For Muncie Aviation Company **Muncie Aviation Company** TBM An Employee Owned Company Reg. Mark Hobbs/Tach ETT <u>Cycles</u> Prop 182.4 P&W PT6A-42A RM0823 182.4 182.4 195 182.4 Annual Inspection copleted this date Ref Piper Inspections Events #1 & #2 Completed compressor wash and fuel nozzle in-situ cleaning. Installed P3 filter and engine fuel lines. C/W per P&W Ch 71-00-00 See AD Listing Dated 11/8/2019 for Details I Certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</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 upder Shop Order No. <u>S-19-1056</u> Date 11/12/2019 Signed Kols Junth Inspector For Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141 TBM **Muncie Aviation Company** An Employee Owned Company Reg. Mark Hobbs/Tach Model N603MA ETT 346.1 Cycles P&W PT6A-42A RM0823 Annual Inspection copleted this date Ref Piper Inspections Events #1 & #2 346.1 346.1 300 Completed compressor wash cleaning. Installed P3 filter and engine fuel lines.per P&W MM Ch 71-00-00 400 Hr Fuel Nozzle Flow teast C/W by Dallas Airmotive see 8130 for details reinstalled all Nozzles using new "O"rings and gaskets Torqued down and saftied VSP269 Pratt & Whitney SB3501 R1 Oil to fuel heater Deferred for parts not available Treated compressor inlet with Corrosion X MIL-PRF-81309G, reinstalled inlet screen See AD Listing Dated 12/7/2020 for Details Certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</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 the at his C.R.S. under Shop Order No. S-20-1629

CRS# A.IVR135C Muncic Indiana 47303 705 000 7111



AME

ICA/AMO

CA/AMO

ETT <u>Cycles</u> Model Make Hobbs/Tach Reg. Mark 440 RM0823 PT6A-42A P&W 486 N603MA

Annual Inspection completed this date Ref Piper Inspections Events #1 & #2 Completed compressor wash & Insitu Fuel Nozzle cleaning per P&W MM Ch 71-00-00

C/W 500 hour RGB oil scavenge screen inspection,removed plug and screen no debris found in screen, cleaned screen and installed screen and cover with new oring. TQ'd bolt to 40 in.lbs. secured with safety wire.

VSP269 Pratt & Whitney SB3501 R1 Oil to fuel heater to be C/W at a later date

Slight CT wheel blade to segment rub to be taken care of at a later date. Piper <u>SB1370</u> Inertia separator duct shredder angle modification/replacement to be C/W at a later date

I Certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</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 CR.S under Shop Order No. S-21-2104

Date 12/2/2021 Signed Inspector For Muncie Inspector For Muncie Aviation Company CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

TBM

Muncie Aviation Company An Employee Owned Company



ETT A/C TT PT6A-42A PCE-RM0823 590.4 Make Reg. Mark Hobbs/Tach 590.4 **PWC** N603MA 590.4

Completed Annual Inspection IAW Piper Inspection Report P/N 767-008.

Completed compressor wash and ruei nozzle in-situ clearing.

vvA57932 and replaced with overhauled, p/n 10994A, 5/11 vvA10901

Performed borescope inspection and found T-wheel blades rubbing and slight metal transfer. Removed power section refrormed borescope inspection and round 1-wheel blades labbling and oligin motal deficiency. Removed power section and T-wheel. Reworked high section of one segment to provide proper blade clearance. All relevant wear limits within and T-wheel. Reworked high section of one segment to provide proper blade clearance. All relevant wear limits within and T-wheel and power section.

Pratt & Whitney MM CH 72-00-00,27-40-01,72-50-02 and 72-50-01. Reinstalled T-wheel and power section. Removed and replaced left igniter with new, p/n CH 34055.

Operational and leak check of above items found to be satisfactory.

AD Listing dated 11/11/2022. certify that this <u>Engine</u> has been inspected in accordance with an <u>Annual</u> Inspection and was determined to be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance we be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance we be in airworthy condition. The aircraft/component identified above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with a <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with an <u>Annual</u> Inspection and was determined above was repaired and inspected in accordance with a <u>Annual</u> Inspection and inspected in accordance with a <u>Annual</u>	/ith
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Section 1: Record of engine maintenance and elementary work

Date //	Time since new	Time since overhaul	Total cycles		Details of task	(1)	Signature	AME ACA/AMO SCA/AMO
			MAC	7 7	_			
TE	3/17	Muuna	ie Aviation (Piper —			
	DAHER	An En	and area Owned	Company	ripei _			
-		All LI	mployee Owned	Company		_		
	g. Mark Hobbs	Make	Model	S/N A/C TT	ETT			
Ne	603MA 848.0	PWC	PT6A-42A PCE-		848.0			
1. Completed a	n Annual inspection							
 Performed with Complied with 	th compressor wash 300 hour starter or	IAW Piper MM C	H 5-20-00.					
Complied with Complied with	nn compressor wash h 300 hour starter ge h 400 hour fuel man	enerator cleaning	ise. and inspection. N	o defects noted.	Approximation of the second of	_		
Standard Aer	0. Using new aring	ifold adapters ins	pection. Removed	o defects noted. and reinstalled nozzle: Ref_P&WC MM CH 73	s after inspection by			
					s after inspection by 3-10-03. Ref Standard			
OUT THE TAME	1001							
7. Adjusted engi	or erosion on compression of the speed of the speed. Ref Mand leak check of the speed of the spe	essor inlet blades	. Ref PWC MM CH	1 72-30-05.				
8. Operational a	ne idle speed. Ref N nd leak check of abo	MM CH 76-10-00.						
See AD Listing Do	of all days	ove items lound to	o be satisfactory.		<u></u>	-		
certify that this	ated 11/16/2023 for	Details.		.nnual Inspection and		$\overline{}$		
Current airworthy	condition The aircr	inspected in acco	ordance with an A	nnual Inspection and repaired and inspecte	I was determined			
Details for the rep	condition. The aircrass of Federal Aviation pair/inspection are or	n Agency, approv	entified above was	repaired and inspecte	d in accordance with)-		
Date: 11/21/2023	Signed:	n file at this O.R.S	S under Shop Orde	er No. <u>S-23-2967</u>	_			
AJVR135C	, Muncie, Indiana 47	7303 765-280 71	Inspect	or for Muncie Aviation	Company			
KAN SALA			41	repaired and inspecte rvice. er No. <u>S-23-2967</u> or for Muncie Aviation		30		
						-		
H. C.								
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			1		The state of the s			

Section 3: Records of engine component installations

			T						Entered by (print)
Date installed	Engine time since overhaul	Total cycles	Component description	Type/Model/Series/ Part Number	Serial Number	Position	Date removed / /	Reason for removal	Entered 5) 4
1 1 AUG 2018			Refer to life limited componer	nt cards and			//		76 49 NO. 118
1 AUU 2010	18 N/A		Refer to life limited componen serialized components list incl	uded with the					E. WEISTRA
			shipping package.		7.				E. WEISTIM
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Section 4: Record of engine applicable airworthiness directives, airworthiness limitations and equivalent mandatory requirements

and	equivalent man	datory requir	ements	
Reference (e.g. AD #)	Effective date	Compliance threshold	Compliance interval	Description of requirements
				This section includes an Engine Airworthiness Directives Record pag - P&WC Form 2371 to record relate airworthiness directives.

DO NOT input any technical data subject to EAR, ITAR or ECL in this document.

Engine Airworthiness Directives



Pratt & Whitney Canada Corp. 1000, Marie-Victorin Longueuil, Quebec Canada J4G 1A1

Engine PCE-RM0823 S/N

			Lic.#	Date
2.	A.D.'s	Sign	or Stamp	of the second second second second second
FAA A.D. 2012-09-10	Not Applicable. The manufacturer and part number of the First Stage Reduction Sun Gear and associated Planetary Gear Set installed during engine manufacture not listed in the Applicability section of the A.D.	E. WEISTRA	(E) NO. 118	1 1 AUG 2018