

Engine Logbook





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TC-1001185

Catalogue No. T52-4/2-2003E

Volume #: 1 Opened on: 07 MAY 2015

ENGINE DETAILS

Pratt & Whitney Canada Corp. 1. Manufacturer

2. Type/Model/Series E.T.C. E- 12 PT6A- 42A B/S: 1192

3. Serial Number PCE- RM 0678

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

CYCLE COUNT AS OF _______JUL 1 0 2015

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
07 MAY 2015	0.0	NIA	0	New engine final acceptance test and	NG/√Θ <u>35 350</u> RPM, at <u>850</u> SHP/δ√Θ		
				inhibiting run completed satisfactorily and is in condition for safe operation.	T5 Trim Resistance: 48.4 Ohms	K. PIVIDOS	(E) T.C. 4-53 NO. 024
1 MAY 2015		N/A	0	"Applied Procyon corrosion inhibitor to compressor inlet case per Pratt & Whitney Maintenance Manual P/N 3021442 Chapter 72-00-00."		A4P#3455393 Wlam Dibra	karsan
Date: 4/6/2015		er: <u>/V 5⁻O o S</u> g			Shoreline AVIATION	Shoreline Aviation, Inc.	1
ircraft Engine Model:	PT6A-42A S/N:	PCE-RM067	8			Marshfield Municipal Airport George Harlow Field (GHG) 93 Old Colony Lane Marshfield. MA 02050 Serial # 4697599	Engine Logboo
erformed Engine Wate lanual Part Number 302 leaning, Engine Washing ignature	r Wash non B	Whitney Maintenar on 71-00-00, Power Pl	nce ant		Hobbs Hours: 576.9 Completed compressor and compressor turbine water instructions. The above work was completed in accordance with a Administration and is approved for return to service for the service of the servi	at regulations of the Federal Av	ce manual
Piper	PIPER AIRCRAFT	ertificate Number: 20	696791IA —		Charalina Aviation Inc	Edward J. Novak Jr. A+P 28	L
	i				O.g	Edward Y. Novak Jr. A+P 28	132024 IA
ate: 7/7/2015	,						
ircraft S/N: 46975 9 9	O . I GITTINE	N5005@					
ircraft Engine Model:	PT6A-42A S/N:	PCE-RMO67	8				
erformed Engine Wate lanual Part Number 302 Beaning, Engine Washing	Cycles: 5 Fr Wash per Pratt (1442, Chapter/ Sections)		nce ant				
Damian Gall	belo	ertificate Number: 2					
Piper	PIPER AIRCRAFT	Number: 2	696791IA				

	Date //	Time since new	Time since overhaul	Total cycles	Detai	ils of task	
	Leading the Bus Registration:	iness of Aviation N500SQ	4300 (Aviation Dallas, Inc. Claire Chennault Dr. dison, TX 75001	Pip) Per	
-	Model No. Serial No.	PA46-500TP	Engi	ne Log Entry	Hour Meter	55.6	
7	Performed Piper	warrantable 1st 50 ho	ur inspection per Pi	par oui l		55.6	
-	The aircraft/compo	pressor turbine wash	and rinse in accord	ance with Pratt & White	o-041. MM 71-00-00. No defects no regulations of the F-1		
	and is approved for	return to service for the	as maintained or alter	ed in accordance with current	MM 71-00-00. No defects no	oted.	
-	mfg's instructions.	Pertinent details of the	repair are on file at the	disrupted systems were restor s repair station under Work O	6-041. MM 71-00-00. No defects no regulations of the Federal Aviation and functionally tested in accordance (1964).	on Administration	
\dashv	Date: Febr	uary, 1 2016			rder#: 06M-4123 4126	ordance with	
_ 1.		1	CRS# UXCR66	3X	1123,4120		
					- M	Robert Fulcher	
			Cutter	Aviation Dallas, Inc.		oner	
	Leading the R	usiness of Aviation	.500 (Claire (hennoule D		A	20000
	Registration:	N50000	Ad	dison, TX 75001			
-	Model No.	N500SQ			Pip	er	
	Cominal N	PA46-500TP	Engi	ne Log Entry	AC TT		
	D .	4697599	PT6A-	42A PCE RM0678		16.9	
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	1 Chormed com	Trecor turk:	all this some			10.7	
-	checks with no l	eaks noted Refehen	ton pressure transc	ducer was seening The	Engine TT 1 Cycles 10 enance manual Event 1 and 2 1-00-00. Performed engine graned hose to fitting	ound drying run	
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Signature

AME ACA/AMO SCA/AMO



Loyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502

AFTC: 190

Eng. TT: 211.50 Engine S/N: CE-RM0678

N 214WB Hobbs: 211.50

Date: 4/17/2017

Work Accomplished

Engine -

-- Discrepancy--

Event 1 inspection due.

Complied with event 1 per Piper Meridian MM. inspection guide.

--Discrepancy--Fuel nozzle cleaning and flow check due initial check at 200.0 Hobbs.

Removed nozzles for cleaning and inspection. Installed five new nozzles reinstalled new gaskets. Leak check ok. Sublet Service

Completed: 4/05/2017

Description: FN850/3250 FUEL NOZZLE FLOW CHECK S/N-56337

Performed By: Prime Turbines PO #: 23380

--Discrepancy-Engine due initial borescope inspection at 200.0 Hobbs.

Performed borescope inspection of hot section. No defects noted at this time.

--Discrepancy--

Engine minor inspection due.

Complied with engine minor inspection, cleaned and inspected all filters. inspected engine mounts, hoses and wiring, serviced engine with

oil and ground run normal.

--Discrepancy--

Engine- Check Fuel Control Unit Manual Override System due. Performed with Event 1.

Rigging and operational checks good.

--Discrepancy--

Engine- Perform a Deceleration Check. Performed a Deceleration Check ground run normal. --Discrepancy--

Engine- Clean/ Inspect Post-SB3350 P3 Filter Drain Valve Housing. Removed P3 filter for inspection and cleaning reinstalled and safety.

--Discrepancy--

Engine-Check Scavenge Pump Inlet Screen. Removed screen for inspection and cleaning, reinstalled and safety.

--Discrepancy--

Engine-Perform a Filter Patch Test for Engines Installed with Pre-SB3463 Gears.

Oil samples taken and sent to A.O.A. for analysis.

--Discrepancy--

Engine -Check Engine oil to fuel heater installation.

Inspected fuel to oil heater no defects noted.

--Discrepancy--

Engine - Continuity Check Chip Detector Magnetic.

Performed Engine - Performed continuity check no defects noted.

--Discrepancy--

Engine - Examine Oil Filter Element and Secondary Screen due.

Examined Oil Filter Element and Secondary Screen inspected, and clean.

--Discrepancy--

Service bulletin PT6A-72-3383 due, Introduction of vane ring damping strap assembly. Category 3 (This is recommended service bulletin due at 900 hours due at 900 hours - re-visit at that time.

Compressor and turbine wash due.

Complied with Compressor and turbine wash's per Pratt & Whitney MM. 71-00-00. --Discrepancy--

Spark ignitors worn to manufacturers limits. (.300)

Installed new Igniter's with new gaskets, ground run normal.

--Discrepancy-

Service bulletin PT6A-72-3473 R2 due, replacement of compressor stator assembly. This service bulletin is not applicable to this serial number engine number engine

--Discrepancy--

Service bulletin PT6A-72-3485 due, re-identification of fuel control unit. Service bulletin not applicable by FCU serial number

This engine is approved for return to service with respect to the work performed. Juan S Rodriguez AP3069833 LGM

Page 2

Date - / /		Fime since overhaul	Total cycles	Details of task			Signature	AME ACA/AMO SCA/AMO
	West Coast Turb 759 Persimmon H Bulverde, Texas 7 Tel: (714) 470 344	ill 8163 .3	•			Soyd's AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502 WO# 18894 Work Accomplished	4	N 15SA ACTT: 377.10 ACTC: 360.00 ENGTT: 377.10 ENGTC 360.00 Date: 12/13/2017
	ENGINE PT6A-42A TTSN: 211.5	S/N: RM TCSN:	40678 190			Engine -		
	inspection. All four is approved for ret performed, upon it completion of a salleak check. All wo Canada PT6A-42A 26/2012.	and acceptab urn to servion stallation of tisfactory do rk performed # 3021442	cope inspection of Hot Se vith scheduled fuel nozzle ble per the M/M. This end ce with respect to work of removed components a ocumented ground run ar ed IAW Pratt & Whitney 2 M/M, Rev No. 46, Date	gine and and and and and and and a		Discrepancy: Perform engine compressor wash. Resolution: Performed compressor wash IAW Pratt and Whitney PT6A-42A Maintenance Manual. Test run of engine, normal operation no defects noted. Discrepancy: Exposed wire at sensor inside engine compartment. Resolution: Repaired sensor wire with high temperature silicone RTV. THE ABOVE MAINTENANCE WAS PERFORMED IN ACCORDANCE WITH THE SCOTT MANUAL, FAR 91.409 (f)(3), 135.411 (a)(2). DETAILS ARE ON FILE AT THIS REPAIR FACILITY UNDER WOR THE ENGINE IS APPROVED FOR RETURN TO SERVICE ONLY FOR THE WORK PER	T AVIATION MAINTENA KORDER REFERENCE RFORMED.	NCE PROCEDURES D IN THIS DOCUME
	Date: April 14, 201	7_Approve	red in accordance with current regula herespect to work performed, is approsed by: Julian Larrasquitu	tions of ved for		George A. Leazer AP3557664		
	A & P license #: 31							
					/			

	Date //	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AN SCA/AN
	Work Accomplis Engine - Discrepancy: Engine driven fuel p Resolution: Installed new fuel p Discrepancy: Engine driven fuel p Resolution: Removed and clear Discrepancy: Starter generator bir Resolution: Installed overhauled Discrepancy: Compressor and tur Resolution: Performed compressor	shed sump outlet filter inspectump outlet filter. No other outlet filter inspectump inlet screen clear need fuel pump inlet screen ushes worn below minuted starter generator and orbine washes due.	ground run OK.S/N on	CAMP item#731030. s time. AMP item#731040. led screen and safetied.		AVEX Inc. 205 Durley Avenue, Suite A, Camarillo, CA 93010 (805) 389-1188 ENGINE Pratt & Whitney PT6A-42A S/N PCE-RM0678 Work Order 14098 TTS Work Order Hobbs: 500.7 TCS TSO 1. Performed borescope of engine first stage compressor blades I.A.W. Pratt and Whitney MM. Some minor FOD marks on first stage within allowable limits 2. Complied with borescope inspection of the hot section, Hot section appears normal for time in service, I.A.W. Pratt and Whitney MM Chapter 72 3. Borescoped the engine first stage compressor blades post maintenance I.A.W. Pratt and Whitney MM Chapter 72. No changes noted between pre and This aircraft, airframe, aircraft engine, propeller or appliance was repaired/inspected current Federal Aviation Regulations and has been found to be in an airworthy condiperformed. Pertinent details of the repair/inspection are on file at Avex, Inc. under W	post maintenance inspections in accordance with the	5
	THE ABOVE MAIN- FAR 91.409 (f)(3), 1 DOCUMENT. THE	FENANCE WAS PERF 35.411 (a)(2). DETAIL ENGINE IS APPROVE	FORMED IN ACCORDA S ARE ON FILE AT TH ED FOR RETURN TO S	ANCE WITH THE SCOT HIS MAINTENANCE FAI SERVICE ONLY FOR TH	T AVIATION MAINTENANCE PROCEDURES MANUAL, CILITY UNDER WORKORDER REFERENCED IN THIS HE WORK PERFORMED.			
	Mark W Wiebe AP5					Muncie Aviation Company An Employee Owned Company Reg. Mark Hobbs/Tach Make Model S/N	Piper'	
						N15SA 519.5 Piper PA46-500TP 4697599 Engine Log Entry Removed Inlet screen and inspected 1st. Compressor Blades F.O.D found to be in A blending operation on all 16 blades removed less than 0.010 of material. Preformed Reinstalled all removed items. Ground run ops. and leaked checked normal. All world Chapt 72-30-05 Sect. A,B,C,D and Chapt. 71-00-00 Sect. B (1)-(23). The aircraft/component identified above was repaired/inspected in accordance with rederal Aviation Administration and found airworthy, and is approved for return to second and the repair/inspection are on file at the second second control of the repair/inspection are on file at the second second control of the repair/inspection are on file at the second second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the repair/inspection are on file at the second control of the second control of the repair/inspection are on file at the second control of the second c	k done IAW P&WCPT6A-42A current Regulations of the	
						765-289-7141		
torquesson.								

SE AND COLON DIC., Vern Base 1, EMBS SERVICE STORY AND COLOR S	Date/	Time since new	Time since overhaul	Total cycles	work Details of task		ENGINE LOG Model: PT6A-42A S/N:4697599 SN: PCE-RM0678 t I & II Annual Engine Inspection per Piper PA46-500TP Event I & II Compressor inlet and CT wash per PSW PT6A-464-500TP	
Signature Aviation, Inc. Municipal Airport. Vera Beach, R. 3561 (773) 532-2577 Signature Aviation, Inc. Municipal Airport. Vera Beach, R. 3561 (773) 532-2577 Aircraft Engineering Send Sender Aviation and International Sender Airport Sender Sen	Date: 04/24/19 Hobbs: 625.9 Engine TT: 625.9 Accomplished an E Manual as a guide. SL1155 ground idle 73-10-02. Accompli Accomplished Pipe Replaced breather h 00. Replaced breath MM 71-70-00. Repl P&W PT6A-42A MM PA46-500TP MM 21 corrosion inhibitor to	ENGINE LO Model: PT SN: PCE-R Event I & II Annua C/W Compressor e adjustment. Act ished 600 hour H er SB1296 fuel compose and adel clan her coupling and graded starter gener M 72-60-00. Replation of the engine inlet properties.	OG 6A-42A RM0678 al Engine Inspect r inlet and CT wa complished 600 P fuel pump inlet entrol unit manua nps, installed P/N' asket at the AGB, rator garloc seal a ced A/C and alter -00. Saftied sev- per P&W MM 72-0 n and reversed be	S/N:4697599 tion per Piper PA46-5i sh per P&W PT6A-42/ hour HP fuel outlet filt t screen inspection/cle il override inspection-le s MS21919WCH18 and installed P/N's MILH600 and "O" ring, installed P/N eral bleed air clamps pe 0-00. Applied corrosion ta block per P&W PT6A	MM 71-00-00. Accomplished Piper er replacement per P&W -42A MM aning per P&W -42 MM 73-10-02. Pratt & Whitney Canada SB A3487. 566-705 per PA46-500TP MM 71-70-0-1 and 54026-000 per PA46-500TP N 3059046-01 and AS3209-03 per 73965-023 and 73965-024 per PA46-500TP MM 21-30-00. Applied phibitor to the RGB per P&W PT6A-	73-10-02. Accomplished Accomplished Piper SE Tensioned A/C and altern preventative to the inlet a installed P/N's ring top haper P&W OT6A-42A MM MM 79-30-00 and 71-00-PT6A-42A MM 72-20-00. and first half of (c). The smagnetized. If no metallic week (25 hours minimum 65 hours maximum) per 7 MAINTENANCE RELEAS above was repaired and in Administration and is applengine and or appliance in	4 600 hour HP fuel pump inlet screen inspection/cleaning per P&W - 1296 fuel control unit manual override inspection-Pratt & Whitney Cleator drive belts per PA46-500TP MM 21-50-00 and 24-30-00. Applied correa per P&W PT6A-42A MM 72-00-00. Replaced prop shaft seal, gasket 18-3075812-01, ring bottom half P/N 3075814-01, seal-3114661-01 and green per P&W PT6A-42A MM 72-00-00. Replaced oil temperature sender gasket, installed P/N 484-84 DO. Replaced oil tank pressurizing valve cover gasket, installed P/N 3039 Accomplished maintenance steps per P&W PT6A-42A EMM 72-00-00 19 debris is found, return the engine to service and check RGB chip detected and the properties of the second half of (c) and (d) need to be accomplished. If propeller shaft or flat debris is found, return the engine to service and check RGB chip detected and the propeller of the pro	per P&W -42A MM 42 MM 73-10-02. Canada SB A3487. Dirrosion t and retainers, gasket-3116679-01 43 per PA46-500TP 9939 per P & W 12.M(1)(2))(a)(b) ange are not or daily for one vals. d
Aircraft Registration	manifold/nozzles a inspection of the h 500TP MM 76-10-00 MAINTENANCE RE above was repaired Administration and it engine and or applia office, WO # \$0038	assemblies clean not section per Po 0. ELEASE: This aircondition is approved for relative and inspected in an approved for relative maintenance and an approved for Section 176. AD's Researcondition is approved for relative maintenance and approved for relative and approved for	ing and flow check W PT642A MM 7 craft, airframe, airco accordance with co turn to service. All e manuals and inst ched THRU REV. 2	7 PT6A-42A MM 79-20-2 ck per P&W MM 71-00- 72-00-00. Adjusted beta graft engine, propeller or current regulations of the work was performed in ructions. Pertinent deta 2019.07	1. Accomplished 400 hour fuel 1. Accomplished 400 hour fuel 10. Performed boroscope 10. Valve and NF reset rod per PA46- 10. Appliance identified	Signature Sun Aviation, Inc. Munic	Date: 5/04/2020; Aircraft: N15SA; Type: PA-46-500TP; S/N: 4697599; Hobbi Make: Pratt & Whitney Canada Model: PT6A-42A SN: PCE-RM0678 1. Complied with RGB chip detector and oil filter inspection per EMM 72-00	
18 Hangar Road Westhester County Airport West Harrison N Y 10604 L855-AOG GAMA (OPS 7) Aircraft Registration NISSA A675999 Arcaft Model Professor Aircraft Total Time Aircraft Total Landings Aircraft Total Landings Date Engine Serial Number							wire. Removed oil filter and inspected. No debris found. Cleaned in electros Isopropanol solvent. Reinstalled oil filter with new O-rings p/n AS3209-120, AS3209-143. Secured with original hardware.	Sonic cleaner with AS3209-224 and
N15SA 4697599 Aircraft Model PA-66-500TP Page 1 of 1 Aircraft Total Time Aircraft Total Landings Engine Model PT6A-42A Engine Serial Number Engine CSN 660 Accomplished inbound/preliminary inspection Accomplished Final inspection The above maintenance performed on this arriame/engine/special and coordance with all manufacturer's instructions, paguals and current PAP. This aircraft is approved for return to service with respect to the North performed ABOVE. Alteraft Total Landings Page 1 of 1 Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified above was repaired and inspected in accordance with all manufacturer's instructions, paguals and current PAP. This aircraft is approved for return to service. ABOVE. Alteraft Total Landings Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft airframe, engine or appliance identified above was repaired and inspected in accordance with all manufacturer's instructions, paguals and current PAP. This aircraft is approved for return to service. ABOVE. ABOVE. AIRCROMPLISA 400 Great Meadow Rd Stratford, CT 06615 This aircraft airframe, engine or appliance identified above was repaired and inspected in accordance with current egulations of the FAA and is approved for return to service.	Aircraft D.		~ ~ ~	West H	arrison Market County Airport		No serious title 9 0 clock fuer hozzle to allow for insertion of the guide Inserted the borescope and inspected turbine blades. No defects were n fuel nozzle IAW Pratt & Whitney Canada EMM 73-10-05 using 1 new 30295 AS3209-009 O-rings.	noted. Reinstalled the 566 gasket and 8
Engine Logbbok Entry 600 Accomplished inbound/preliminary inspection Performed compressor desalination wash per P&WC MM 3021442 71-00-00 Paragraph 6A, no defects Date: 11/06/2020; Aircraft: N15SA; Type: PA-46-500TP; S/N: 4697599; Hobbs: 816.20 Complied with Desalination wash IAW P&WC PT6A-42A MM Chapter 71-00-00 paragraph 6. Engine was run after wash. No defects noted. The above maintenance performed on this airframe/engine/appliance was performed in accordance with all manufacturer's instructions, paguals and current FAR's, This aircraft is approved for return to service with respect to the work performed. AS DEC. ACCOMPLISHED A SOURCE AND	N15SA Aircraft Tot 680 Engine Mode	4697599 tal Time	PA-46-50 Aircraft Total La Serial Number RM 0678	20TP 70270 Andings Engine TSN 670	Page 1 Of 1 Date 08/20/2019		 recovery wash using RMC compressor wash and a rinse with fresh water. Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 0661 This aircraft, airframe, engine or appliance identified above was repaired at accordance with current regulations of the FAA and is approved for return to 	15 nd inspected in
The above maintenance performed on this airframe/engine/appliance was performed in accordance with all manufacturer's instructions, manuals and current FAR's. This aircraft is approved for return to service with respect to the work performed. Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.	 Accomplise Performed noted. 	shed inbound/preli compressor desali	(F) (1)	24	600			 bbs: 816.20
A&Put Parishing	• Accomplis	shed Final inspection	the same				Complied with Desalination wash IAW P&WC PT6A-42A MM Chapter 71-00	
DI CASES 119to	1		arrent FAR's. This airci	-	A&P# 35312		This aircraft, airframe, engine or appliance identified above was repaired and accordance with current regulations of the FAA and is approved for return to	d inspected in

form 1. Becard of angine maintenance and elementary work

Date: 3/19/2021; Aircraft: N15SA; Type: PA-46-500TP; S/N: 4697599; Hobbs: 838.60; Total

Make: Pratt & Whitney Canada Model: PT6A-42A SN: PCE-RM0678 TSN =838.60

I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and I certify that this engine has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. See Three Wing

Inspect engine compressor section inlet housing for corrosion and reapply corrosion inhibitor Inspect engine compressor section inlet nousing for corresion and reapply corresion innibitor IAW EMM 72-00-00. Complied with by visual inspection. The coating is intact and does not show

Disconnected and removed forward chip detector. Cleaned magnetic poles. Replaced O-rings Disconnected and removed forward chip detector. Cleaned magnetic poles. Replaced U-rings with new O-rings M83248/1-115. Performed chip detector annunciator check. Checked good.

Complied with 100 hour forward chip detector continuity check IAW PT6A-42 AMM 72-10-00

Performed FCU manual override system static check ops check IAW P&WC EMM Section 71-

Cleaned and inspected FCU / reverse com linkages IAW MM 72-00-00. No defects noted.

Removed oil filter housing cover and removed filter. Replaced housing cover O-ring with new Removed oil filter housing cover and removed inter. Replaced housing cover 0-ring with new M83248/1-143 O-rings. Cleaned filter in electrosonic cleaner. Replaced filter assembly 0-rings

with new M83218/1-120, M832818/1-224 O-rings. Reinstalled filter cover using original hardware.

Cut safety and removed P3 filter / filter housing. Inspected and cleaned filter. Replaced housing Cut safety and removed P3 filter / filter housing. Inspected and cleaned filter. Replaced housing cover O-rings with new M83248/1-126 O-ring. Replaced filter O-ring with new M83248118/1-015 cover O-rings with new M83248/1-126 O-ring. Replaced filter O-ring with new M83248118/1-015 O-ring. Replaced filter element O-ring with new AS3209-014 O-ring. Reinstalled filter / housing

Removed ignition leads and igniters. See item #71. Complied with 100 hour inspection of spark Removed ignition leads and igniters. See item #/ I. Complied with 100 nour inspection of spark igniters IAW EMM 74-20-02. Both igniters failed leads retention test. Rechecked lead retension

Removed reduction gear box scavenge screen and visually inspected. No defects noted. Removed reduction gear box scavenge screen and visually inspected. No defects noted.

Removed and replaced O-ring on the plug with a AS3209-019 O-ring. Installed plug and safetied

Removed filter housing / filter assembly. Installed new filter p/n AN6235-3A. Replaced filter O-Removed filter housing / filter assembly. Installed new liner p/n AND235-3A. Replaced filting with new MS5988/1-212. Replaced housing cover O-ring with new MS5988/1-928.

Removed and inspected inlet screen. No defects found. Replaced screen cap O-ring with new MS5988/ 1-916 O-rings. Reinstalled screen assembly.

Disconnected and removed aft chip detector. Cleaned and inspected for signs of damage. No Disconnected and removed aft chip detector. Cleaned and inspected for signs of damage. No defects noted. Performed continuity and annunciator checks. Checked good. No defects noted.

Replaced left igniter p/n CH34055 was installed with new gasket p/n 3010880. Torqued to 230 in Replaced left igniter p/n CH34U55 was installed with new gasket p/n 3010880. Torqued to 23 / lbs and safetied. Replaced left igniter lead with CH53399-01. Safetied with .025 safety wire

safety wire.	
	W/)

Details of task

Removed fuel control unit Honeywell p/n 4138014-1 s/n C82443 from engine driven fuel pump. Inspected FCU IAW 73-20-00 (7) fuel contamination and blue grease has washed out of the forward bearing. Installed repaired Honeywell fuel control p/n 4138014-1 s/n C82443 after repair / recalibration by International Governor Services. See FAA Form 8130-3 dated 3/22/21 rig controls IAW AMM Sections 71-00-00 and 76-10-00. Sections for Honeywell FCU'S.	nature	AME ACA/AMO SCA/AMO
Removed Argo-Tech fuel pump p/n 399701-5 s/n 013799 m/n 399700. Installed repaired Argo Tech fuel pump p/n 399700 s/n 013799 after repair by International Governor Service. For details see FAA 8130-3 form dated 3/22/2021.		
Pump and FCU were repaired by IGS seeFAA Form 8130-3 dated 3/22/21.		
Reinstalled fuel pump and FCU IAW PT6A-42A MM 73-20-00 (5) and 73-10-02 (6).		
Complied with inspection and service items per PT6A-42A MM table 601.		
Run up aircraft set nose gear to 64.6 at idle. Verified full power ability of MOR lever IAW AMM 71-00-00. Complied with ground performance. No defects noted.Added 1 quart of turbine oil BP2380.		
Complied with power recovery wash and rinse IAW Pratt and Whitney Canada 71-00-00 (6) (B). Reinstalled drain caps and left igniter that was removed for the wash. Drain plugs were safetied using .026 wire.		
Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615		
This aircraft, airframe, engine or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-21-5125. Aug. 2 3/19/2 Kyle S. Bork A&P IA 3492553 Date		
Date: 6/09/2021; Aircraft: N15SA; Type: PA-46-500TP; S/N: 4697599; Hobbs: 866.00 Removed the nose bug and checked torque on bleed air lines from the propeller governor back to the fuel control unit. Tightened two loose "B" nuts. Resafetied as required. Closed cowl and installed nose bug. FCU rigging was checked and found to be correct.		
Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615		
This aircraft, airframe, engine or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.		
Kyle S. Bork A&P IA 3492553 Date		
	1	
200 Airport Drive, Westminster, Ma Phone: (410) 574-4144 / Fax: (4) Experience the Skytech-Advantage		
Experience the Skytech-Advantage		
Engine Log Entry N15SA W/O: DMW-992 Date: October 1,	2021	
Aircraft: PA-46-500TP S/N: 4697599 ACTT: 912.9 HOBBS: 912.9 Engine: PT6A-42 S/N: PCE-RM0678 ETSN: 912.9		
 Performed compressor and compressor turbine desalination wash IAW Piper PA-46-500TP AMM chapter 12-00-0 Adjusted alternator belt tension IAW Piper PA-46-500TP AMM chapter 24-30-00 Serviced engine with oil IAW Piper PA-46-500TP AMM chapter 12 	0 and P&WC	
 Adjusted AGB breather hose clamp to prevent chaffing top cowling. MAINTENANCE RELEASE		
MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulation was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency	s and y under	

for Skytech, Inc. 200 Airport Dr. Westminster, MD 21157

CRS# LF1R294K

Page 6

Date //	Time since new	Time since overhaul	Total cycles	De	etails of task	0,	
			' '				
<u> </u>	tech, inc.		200 Airport	Drive, Westminster, Maryland 21157			
- Try	Experience the Skytech-A	Advantage	Phone: (41	0) 574-4144 / Fax: (410) 848-6451			
				(1.0,010.045)			
Engine Log E		15SA W/O	01WO-1291 D				
Aircraft: PA-46-50 Engine: PT6A-42	O/14. 40	697599		ate: March 21, 2022			
Performed a 100-HOUR I	nspection:	OL-KMOOTS ETSN:	987.3 HOBBS: 9	987.3 ACSN: 791			
• Performed Utilized the	an annual/100 hour inspet following checklists: Pine	ection of this engine IAW 14	CFR Part 43 & 42.45	ACSN: 791 ECSN: 791 appendix D (as applicable). aspection Worksheets; and			
P&WC PT6 Complied with the follow C/W 1 year	A-42A MM chapter 72-00-	0-00, Periodic Inspection.	05-20-00 Events #1 and #2	appendix D (as applicable).			
	and actedio ill	Spection IAW PRIME DEC.					
• CAN 100 ha	our FCO manual override s	system static operational sha	A MM chapter 72.		-		
• C/W 100 hc	our oil filter inspection/clea	y check IAW P&WC PT6A-42 system static operational che age and rod end inspection I/ aning IAW P&WC PT6A-42A a valve inspection and cleaning	W P&WC PT6A-42A MI	M chapter 72.			
• C/W 100 ho	our P3 filter and filter drain our spark igniter inspection	valve inspection and cleaning	MM chapter 72.	apter 72.			
 C/W 1000 h C/W power 	our AGB scavenge oil pur	mp inlet screen inspection IA	&WC PT6A-42A MM chapter	chapter 72.			
71-00-00. • C/W 600 br	us opping for	n and functional check IAW P mp inlet screen inspection IA th IAW Piper PA-46-500TP M	IM chapter 12-00-00 and Dec	1 chapter 72. 74. pter 72-60-00. WC PT6A-42A MM chapter			
and P&WC	our oil filter replacement t PT6A-42A MM chapter 72	by installing new filter p/n30s	59258-01 IAW Dia	-3A IAW P&WC PT6A-42A 00TP MM chapter 5-30-00			
C/W 1000 h	our P3 filter replacement i	by installing new filter p/n 30	59788.01 IAW Piper PA-46-5	00TP MM chapter 5-30-00 00TP MM chapter 5-30-00			
None applie	ng Airworthiness Directi	tives (AD's):	99700-01 IAW Piper PA-46-5	00TP MM chapter 5-30-00			
Complied with the following	ng Service Bulletins (SE	B's):		33-50			
							_
	_		-			(secol	
	toch ino.		200				
Sky	tech, inc.		200 Airport	Drive, Westminster, Maryland 21157			
	Experience the Skytech-A	-	1 Horie: (41	0) 574-4144 / Fax: (410) 848-6451			
 CW Pratt ar unit p/n 10 	d Whitney SB 3501 R1 h	by removing engine oil/fuel h	Deater -				
Completed the following a	%WC PT6A-42A MM cha	oplied by Meggitt (Troy) Inc.	redier assemble .				
Obtained er		-p.s. 10-01.	, wo# 4504163512 CRC #	37 and installing overhauled	-		
o Inspectat	gine oil sample and subm	nitted to lab for evaluation	, wo# 4504163512, CRS #	37 and installing overhauled S1WR141N, dated 26 Oct,			
inspected ei	igine oil sample and subm	nitted to lab for evaluation.					
inspected ei	igine oil sample and subm	nitted to lab for evaluation.					
o Justified the pressure at 03-05-22 15 02-27-22 15	igine oil sample and subm ngine compressor section 00-00 Section 6. No corro: following engine oil press Start and Transient power i:39:26 Oil Pressure High	nitted to lab for evaluation. n inlet housing for corrosion assion noted at this time. sure exceedances IAW PWC er settings is 200 psi. No action 135.5psi 00:00:01					
" Inspected et chapter 72-0 " Justified the pressure at 03-05-22 15 02-27-22 14 02-06-22 14 01-23-23 4	igine oil sample and subm ngine compressor section 10-00 Section 6. No corror following engine oil press Start and Transient power 5:39:26 Oil Pressure High 1:28:15 Oil Pressure High 1:28:15 Oil Pressure High	nitted to lab for evaluation. in inlet housing for corrosion is sisten noted at this time. sure exceedances IAW PWC ar settings is 200 psi. No action 135.5psi 00:00:01 135.8psi 00:00:06 137.5psi 00:00:06					
e chapter 72-0 Justified the pressure at 03-05-22 15 02-27-22 14 01-23-22 14 01-22-22 14 01-16-22-22 14 01-16-23-24 15 01-16-23-24 16 01-16-23-24 16 01-16-23-24 17 01-16-23-24 17 01-16-23-24 17 01-16-23-24 17 01-16-23-24	igine oil sample and subm ngine compressor section 00-00 Section 6. No corro: following engine oil press Start and Transient power 3:39-26 Oil Pressure High 1:44:10 Oil Pressure High 1:44:58 Oil Pressure High 1:44:58 Oil Pressure High	nitted to lab for evaluation. in intended housing for corrosion is sion noted at this time, sure exceedances IAW PWC if settings is 200 psi. No action 135.5psi 00:00:01 135.5psi 00:00:06 137.5psi 00:00:02 136.6psi 00:00:09					
spected en chapter 72-4 Justified the pressure at 03-05-22 15 02-27-22 14 01-23-22 14 01-6-22 14 01-6-22 14 01-6-22 14 01-6-22 14 01-6-22 14 01-08-22 16 01-08-22 14 01-08-22 14 01-08-22 14 01-08-22 14 01-08-22 14 01-08-2	igine oil sample and subm ngine compressor section 10-00 Section 6. No corror following engine oil press Start and Transient power 3:39:26 Oil Pressure High 1:44:10 Oil Pressure High 1:44:58 Oil Pressure High 1:42:26 Oil Pressure High 1:22:20 Oil Pressure High 1:22:20 Oil Pressure High	nitted to lab for evaluation. in interpretation					
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200 AIRPORT DRIVE WESTMINSTER, MD 21157 United States

> AME ACA/AMO SCA/AMO

Phone: 410-574-4144 / Fax: 410-848-6451

Engine Log Entry	N15SA	W/O: 01WO-1818	Date: March 16, 2023	
Engine: PT6A-42A	S/N: PCE-RM0678	ETSN: 1,083.40	ETSO:	ECSN: 839.00
		-,	2.00.	ECSIV. 839.00

Engine Inspection

 Performed an annual/100 hour inspection of this engine IAW 14 CFR Part 43, § 43.15 and appendix D (as applicable). Utilized the following checklists: Piper PA-46-500TP AMM 05-20-00 Events #1 and #2 Inspection Worksheets; and P&WC PT6A-42A MM chapter 72-00-00, Periodic Inspection. Airworthiness Directives checked through bi-weekly 2023-06.

Engine Discrepancies

- Obtained engine oil sample and submitted to lab for evaluation.
- Inspected engine compressor section inlet housing for corrosion and applied corrosion inhibitor IAW P&WC PT6A-42A MM chapter 72-00-00 Section 6. No corrosion noted at this time.
- C/W power recovery and turbine wash IAW Piper PA-46-500TP AMM 12-00-00 and P&WC PT6A-42A MM 71-00-00.

Downloaded and cleared exceedance files per owner's authorization from dates: Dec. 17th, 2022 - oil pressure 136.1 psi for 7 seconds Dec. 18th, 2022 - oil pressure 136.9 psi for 15 seconds Dec. 19th, 2022 - oil pressure 136.7 psi for 3 seconds Dec. 25th, 2022 - oil pressure 139.0 psi for 1 second Jan. 8th, 2023 - oil pressure 137.2 psi for 7 seconds Jan. 14th, 2023 - oil pressure 137.2 psi for 14 seconds Jan. 15th, 2023 - oil pressure 136.6 psi for 1 second Jan.16th, 2023 - oil pressure 138.2 psi for 17 seconds Jan.29th, 2023 - oil pressure 135.9 psi for 1 second Feb. 4th, 2023 - oil pressure 140.2 psi for 10 seconds Feb. 4th, 2023 - oil pressure 135.3 psi for 1 second Feb. 4th, 2023 - oil pressure 136.1 psi for 1 second Feb. 12th, 2023 - oil pressure 136.8 psi for 1 second

200 AIRPORT DRIVE WESTMINSTER, MD 21157 United States

Phone: 410-574-4144 / Fax: 410-848-6451

Feb. 18th, 2023 - oil pressure 136,3 psi for 8 seconds Work performed IAW Piper PA-46-500TP AMM 77-40-00.

Installed new LH and RH engine ingiters p/n CH34055 IAW P&WC PT6A-42A AMM chapter 74-20-00.

Engine Time Limits

- C/W 1 year/600 hour chip detector inspection IAW P&WC PT6A-42A MM chapter 79.
- C/W 100 hour chip detector continuity check IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour FCU manual override system static operational check IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour FCU/reverse cam linkage and rod end inspection IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour oil filter inspection/cleaning IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour P3 filter and filter drain valve inspection and cleaning IAW P&WC PT6A-42A MM chapter 72.
- C/W 100 hour spark igniter inspection and functional check IAW P&WC PT6A-42A MM chapter 74.
- C/W 400 hour fuel nozzle inspection and borescope inspection IAW P&WC PT6A-42A MM chapters 73-10-05 and 72-00-00. Fuel nozzle inspection/repair performed by StandardAero,w/o RPR61519.

Engine Service Bulletins

 C/W P&W SB 3522 by accomplishing parts a thru d. both LH and RH ignition lead wire codes are not affected by the service bulliten. Both nuts are the new 416ss type. No further action required.

MAINTENANCE RELEASE

I certify that this aircraft and/or component identified above was repaired and inspected in accordance with the inspections documented within this maintenance record entry and current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent detail of the repair are on file at this agency under **Work**

Signed 4

_ for SKYTECH - DMW - MAINTENANCE, 200 AIRPORT DRIVE, WESTMINSTER, MD 21157 CRS#:



200 Airport Drive, Westminster, Maryland 21157

Phone: (410) 574-4144 / Fax: (410) 848-6451

Engine Log Entry	N15SA	W/O: 01WO-2115 Date: September 20, 2023
Aircraft: PA-46-500TP	CINI. ACCRECA	
Engine: PT6A-42A	S/N: PCE-RM0678	ACTT: 1147.2 HOBBS: 1147.2 ACSN:

Performed compressor and compressor turbine desalination wash IAW P&WC PT6A-42A EMM 71-00-00.

MAINTENANCE RELEASE

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under Work Order No: 01WO-2115

for Skytech, Inc. 200 Airport Dr. Westminster MD 21157

Page 7

Date //	Time since new	Time since overhaul	Total cycles	Details of task	6
CUN ANDATIO					(
Date: 12/27/20	N, INC., Vero Be				
Hobbs: 1168.8			IE LOG	N15SA	
		CNLDO	PT6A-42A	S/N:4697599	
Performed com	nressor & comp	SN: PC	E-RM0678		
	ipressor a compr	ressor turbine in	let and desalina	tion wash per P&W MM 71-00-00.	
above was re	paired and inspe	ected in accord	ance with curre	ngine, propeller or appliance identified ent regulations of the Federal Aviation	
Administratio	n and is approv	ed for return to	Service All	ent regulations of the Federal Aviation	
applicable air	craft, engine a	nd or applianc	e maintenance	ent regulations of the Federal Aviation ork was performed in accordance with	
details are on	file at the repair	nstation office,	WO # S005575	ork was performed in accordance with manuals and instructions. Pertinent	
Signature /					-
Sun Aviation	Inc. Municipal		CRS # F	-CWP470D	
oun Aviation,	inc. Municipal.	Airport, Vero B	each, FL 32961	(772) 562 0257	
				(172) 362-9257	
-		I			
SUN AVIATION. I	NC., Vero Beach,	FL (VRR)			
Date: 04/26/2024	, <u></u>	ENGINE LOG		_	
- Hobbs: 1198.0	1	Model: PT6A-42A		N15SA	_
Engine TT: 1198.	0_	SN: PCE	-RM0678	S/N:4697599 -	
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Signature

AME ACA/AMO SCA/AMO

SUN AVIATION, INC., Vero Beach, FL (VRB)

Date: 06/09/2025 Hobbs: 1317.1

ENGINE LOG Model: PT6A-42A SN: PCE-RM0678

N15SA S/N:4697599 CSN:1800

Engine TT: 1317.1 Accomplished an Event I & II Annual Engine Inspection per Piper PA46-500TP Event I & II Maintenance Manual. C/W Compressor inlet and CT wash per P&W PT6A-42A MM 71-00-00. Accomplished Piper SL1155 ground idle adjustment. Accomplished 600-hour HP fuel outlet filter replacement per P&W PT6A-42A MM 73-10-02. Accomplished 600-hour HP fuel pump inlet screen inspection/cleaning per P&W PT6A42 MM 73-10-02. Accomplished Piper SB1296 fuel control unit manual override inspection-Pratt & Whitney Canada SB A3487. Performed an oil analysis. Accomplished a boroscope inspection of the hot section per P&W PT6A-42A EMM 72-00-00. Removed and replaced AC and alternator belts PN:73965-024 & 73965-023 per PA46-500TP AMM 21-50-00 & 24-30-00. Removed old beta block. Fitted and installed a new beta block, PN:CA3044 per PA46-500TP AMM 61-10-00. Removed inlet screen, cleaned compressor inlet and applied corrosion inhibitor. Installed inlet screen as required per PA46-500TP AMM 72-00-00. C.T Blades appear to have stage 3 sulfidation: Removed Prop, power section, hot section components and intermediate power turbine guide vane. Installed hot section components repaired by Standard Aero, WO#RPR65Z66. Cleaned, flowed and installed fuel nozzles. Removed PT intermediate guide vane for repair. Installed intermediate PT guide vane and retaining shroud. Installed power section. Installed propeller and adjusted beta linkage. Work done per Piper PA46-500TP AMM 61-10-00, 71-00-00, 76-10-00 and P&W PT6A-42A EMM 70-00-00, 72-40-01, 72-50-01, 72-50-02, 72-50-03, 73-10-05, 77-20-00. Accomplished Pratt SB3482 on FCU. Removed starter and FCU. Installed repaired fuel control per P&W PT6A-42 EMM 73-20-00.

MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO #S005983. AD's Researched THRU REV. 2025.10

Signature: Sun Aviation, Inc. Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

CRS # ECWR470D



Shoreline Aviation, Inc.

Marshfield Municipal Airport George Harlow Field (GHG) 93 Old Colony Lane Marshfield, MA 02050

7/1/2025

N15SA

PA46-500TP, serial # 4697599

Engine Logbook

Hobbs Hours: 1326.5

Completed compressor desalinization water wash and compressor turbine water wash per engine maintenance manual

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Donald Harrington A+P 1939767



Shoreline Aviation, Inc.

Marshfield Municipal Airport George Harlow Field (GHG) 93 Old Colony Lane

N15SA 9/4/2025

PA46-500TP, serial # 4697599

Engine Logbook

Hobbs Hours: 1339.2

Completed compressor desalinization water wash and compressor turbine water wash per engine maintenance manual

The above work was completed in accordance with current regulations of the ederal Aviation Administration and is approved for return to service for the work accomplished

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
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	-	AVIATION					
0/0/			Marshfield Municipal Airport George Harlow Field (GHG) 93 Old Colony Lane Marshfield. MA 02050				
obbs Hours: 1250 a	5SA :: Aircraft TT: 1352.9	PA46-500TP	Cominal III and				
The compless	or desalinization water			Engine Logbook			
he above work was o	completed in accordar	ice with current	essor turbine water wash per engine	e maintenance manual			
to service for the	e work accomplished	Signal Si	igned of the Federal Aviation Ad	e maintenance manual dministration and is approved for			
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