

2014 PIPER MERIDIAN N293SF S/N 4697538

Aircraft Specifications and Maintenance Records



CONTACT:

Ann Pollard | Office: 781.834.4928 | Mobile: 781.249.7330

SHORELINE AVIATION, INC.

Marshfield Airport KGHG, 93 Old Colony Lane, Marshfield, MA 02050



DESCRIPTION:

Beautiful 2014 G1000 Meridian, 395 TT, NDH, Service Center Maintained, GDL 69A XM, KTA 870 Traffic, WX500 Stormscope, TAWS-B, GWX 68 WX Radar, Dune Interior, Sharp Paint!

AIRFRAME:

- 2014 Airframe
- 395 Hours Total Time Airframe

ENGINE(S):

- 395 Hours Total Time Since New
- Pratt & Whitney Canada PT6A-42A
- TBO: 3,600 hours

PROP SPECS:

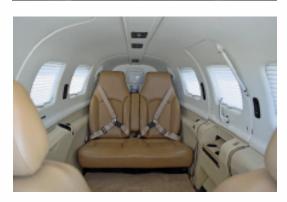
- Hartzell HC-E4N-3Q 4 Blade
- Prop 395 Hours Total Time Since New

AVIONICS/RADIOS:

- Garmin G1000 Avionics Suite with Synthetic Vision Dual 10" Primary Flight Displays
- 15" Multi-Function Display
- Dual GIA 63W with WAAS LPV GPS
- GFC 700 Autopilot
- GMC 710 AP Controller
- GCU 476 Keypad
- Garmin Safe Taxi
- Dual GMA 1347 Audio Panels
- Dual GDC 74A Air Data Computers
- GTX 33 ES Mode S Transponder
- GWX 68 Weather Radar
- Standby Flight Instruments









AVIONICS/RADIOS (Continued):

- Bendix King KTA870 Active Traffic
- TAWS-B Terrain Awareness/Warning System GDL69A Satellite Radio/Weather Data Receiver XM Radio Displayed on MFD
- Jeppesen Chartview
- BFGoodrich WX500 Stormscope
- GFC700 Autopilot/Flight Director
- Garmin GWX68 Color Radar

ADDITIONAL/ OPTIONAL EQUIPMENT:

- Jeppesen Chart View
- GDL 69A XM Satellite Radio/ Weather
- KTA 870 Traffic Advisory System
- WX500 Stormscope
- TAWS-B (Terrain Awareness and Warning System) Fold-Down Crew Chairs
- LED Taxi and Landing Lights
- Known-Ice System Equipment
- Piper HFC-134A Air Conditioning
- Overhead Switch Panel
- Dual Elevator and Rudder Controls
- Compressor Wash Ring
- Exceedance Warning System
- Crew Alerter System
- Turbine Inlet Plugs
- Stainless Steel Cowling Fasteners
- Wingtip Recognition Lights
- 3-Postion Strobe Lights
- Relief Tube
- Executive Writing Table
- Right Hand Storage Cabinet
- H3R Halon Fire Extinguisher
- Sun Shields
- (2) Hardwired Cockpit Bose A20 Headsets









EXTERIOR:

Matterhorn White (P6294) over Black Pearl (815826) with Cumulus Gray (816074) Trim. Very sharp!

INTERIOR:

Premium Dune (Tan) Leather Interior with Coordinated Side Panels, Carpet, and Headliner. Fold-out Executive Table, Individual Reading Lights, Accent Lights, Phone/Mic/Aux Music Input Jacks

INSPECTION STATUS:

Annual Inspection by Piper Service Center 12/16, Next Due 12/31/17 IFR Certification Completed 11/15, Next Due 11/30/17

PRICE: \$1,595,000 US

AIRCRAFT LOG





NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

PAINT TYPE: Dupont Imron Polyurethane

AIRCRAFT DESCRIPTION

R	Legistration No	N	2	93	33	S	F			
1	cogistiation 110							_		

Model: PA-46-500 TP	Popular Name: MEKIDIHN
Serial No.: 4697538 P6294 Colors: MATTERHORN WHITE BLACK	Type Certificate No.: A 2550
Colors: MATTERHORN WHITE BLACK	PEARL & CUMULUS GRAY
Engine Manufacturer: PRATE WHITNEY	Serial Numbers: Single PCE-RM0606
Original Engine Model: PTGA-42A	Left
	Right
Propeller Manufacturer: HARTZELL	Hub or Serial Number:Single HH4871
Original Propeller Model: HC-E4N-3Q	Left
	Right
В	slade Numbers
Left	Right 2014 MODEL
L37656	
137653	
L37648	"
L37657	

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

(See Log for Details)	Aircraft	Compliance	Certificate No.
otostian Ainundhinaan			=
2013-23	2.9	5 5013	
f manufacture.		MOA	
R-832848-CE FT. INC.			
			f manufacture.

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
			ris .	

Certificate No.

Date	Aircraf	t Time	Recorder			
Date	This Date	Total	Reading	Maintenance	and Remarks	Signature
NOV 2 2 2013	Brought Forward →	2.9	the certifica	e aircraft meets the requirements for tion requested and have issued a rworthiness Certificate.	The ATC Transponder Tests and Inspections required by FAR 91.413 performed this date and found to comply with FAR 43. Appendix F.	were
			FAR 91.411	r and Static System Test required by have been performed. The have been tested:	1. Make GARMIN Model GIX 33 S/N 89/25	
-			On (Prl)	10/01/13 (Sec) 10/02/13	2. Make GARMIN Model GTX 33 S/N 89/25 Details of this inspections are on file at this facility under:	5812
				55,000 ft 55,000 ft	ACFT S/N 4697538 Date 10/3	0/13
				netalled per FAR 91.207, Battery t date: DEC. 2020 NOV 2 2 2013	The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: 10/3 Robert L. Osen	0/13
		·	ROBE	RT L. OLSEN DMIR-832848-CE Piper Aircraft, Inc.	ROBERT L. OLSEN DMIR-832848-CE Piper Aircraft, Inc. Vero Beach, Florida	
Total To Carry Forward		2.9		Vero Beach, Florida		

Date	Aircro	ft Time	Recorder		AA *: 1		
	This Date	Total	Reading		Maintenance		
IOV 2 2 2013	Brought Forward	2.9	The stall system computer is adjusted at the factory. Component changes require that the computer settings be checked and adjusted per Piper Process Specification (PPS) 60089-3. The settings for this aircraft are: Tipgrams +/- ½ STALL WARNING TIP GRAMS				
		1.00					
		*		FLAPS	ACTUAL SETTINGS		
			Ť	Full Up 0°	+3.6		
				10° - 20°	+4.4		
				Full Down 36°	+ .075		
			Part 91.411	nave been perfo	tatic system test required by FAR primed. The standby altimeter has primed feet on 08/21/13.		
			Signed:	Robert	1.08en		
			Piper	4 4 4	SEN DMIR-832848-CE IRCRAFT, INC.		
Total To Carry Forward					<u> </u>		

Registration	No	N	29	13	S	F	

and Remarks		Signature	Certificate No.
MAKE: Piper MCDEL: PA46-500TP S/N: 4697538 REG. NO: N293SF WORK ORDER: 2041-12-2013	Piper Aircraft, Inc. 2926 Piper Drive Vero Beach, Fl 32960 Phone: 772-567-4361 ext 2671		DATE: 12/3/2013 A/C TSN: 3.6 Landings: HOBBS: 3.6
Airframe Entries			
	ets inop. Verified continuity of wiring and security of connector -24-20 and 91-35-10. Removed intermittent relay and install beptable.		
Maintenance Release			
was found Airworthy for r Dated 12/3/2013. DATE: 12/3/2013	eturn to service. Pertinent details of the repair are on file at this repair SIGNED: Juan Hoor	_	er No. 2041-12-2013, rder: 2041-12-2013
		Printed by EBis 3	(datcomedia.com)
		P	

AIRCRAFT LOG



Registration	N293SF
Model No.	PA46-500TP
Serial No.	4697538

Leading the Business of Aviation

Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y

Phone (210) 384-3388 Fax (210) 384-3394

AIRFRAME	RECORD
ENT	RY

1	Hour Meter	53.3
	Total Time	53.3
	Landings	
	PAGE 1	OF 2

- COMPLIED WITH FIRST 50-HOUR WARRANTABLE INSPECTION IN ACCORDANCE WITH THE PIPER PA46-500TP INSPECTION GUIDE PART NUMBER 765-041.
- 2. COMPLIED WITH THE FOLLOWING SPECIAL INSPECTIONS:
 - 1 MONTH OXYGEN CYLINDER INSPECTION.
 - 1 MONTH STANDBY ATTITUDE INDICATOR INSPECTION/TEST
 - 1 MONTH AIRCRAFT MAIN BATTERY COMPARTMENT INSPECTION.
 - 1 MONTH FIRE EXTINGUISHER INSPECTION.
 - 1 MONTH ELT SELF TEST.
 - 3 MONTH HYDRAULIC FLUID LEVEL CHECK
 - 3 MONTH BRAKE RESERVOIR LEVEL CHECK.
 - 50 HOUR PROPELLER HEAT INSPECTION

 - 50 HOUR CHECK OF OLEO STRUTS.

		 -	L	_	
	1 1				
	1		ļ		
Total To Carry Forward					
		1	1		
Carry Forward]		
•		į.	1		

----CONTINUED-----

Registration No._



Registration	N293SF		
Model No.	PA46-500TP		
Serial No.	4697538		



Leading the Business of Aviation

Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 384-3388 Fax (210) 384-3394

AIRFRAME RECORD **ENTRY** Hour Meter 53.3 53.3 Total Time Landings

PAGE 2 OF 2

- INSTALLED NEW OIL BREATHER DRAIN DUCT P/N 566-466.
- APPLIED NEW CHAFFE TAPE P/N 380-049 ON RIGHT WING FLAP COVE AT WING SKIN SPLICE.
- ADJUSTED FORWARD PIN ON LOWER CABIN DOOR REFERENCING PA-46-500TP MM 52-10-00. OPS CHECK GOOD.
- EXTERIOR PAINT SEALANT APPLIED BY OUTSIDE VENDOR, AERO TECH AIRCRAFT SERVICES.
- INSTALLED NEW RADOME BOOT P/N ATR-066 IAW AEROTECT PROTECTIVE FILMS RADOME BOOT INSTALLATION MANUAL
- 8. INSTALLED BATTERY MINDER P/N 24041-AA-S3 AND RTA-2415NJ REFERENCING BATTERY MINDER 24041-AA SERIES 24 VOLT AVIATION-CALIBRATED MAINTAINER INSTRUCTION MANUAL. OPS CHECK GOOD.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order:

11M-286				
Date:	04/29/2014	Authorized Signature:	Rund Kuml	Richard Kurland
				1

AIRCRAFT LOG

AHR AVIATION CRS#CF2R740R SAN ANTONIO INTERNATIONAL A/P AIRFRAME ENTRY PG. 1 N293SF S/N 4697538 HOBBS: 068.1 W/O# 38984 Performed the Following: Removed defective #1 GTX33 Txp p/m 011-00779-10 s/n 89125805. Installed a serviceable warranty exchange GTX33 p/n 011-00779-10 s/n 89105806. Loaded software and config'd GTX33. GTX33 s/n 89105806 ramp checked serviceable per the Piper and Garmin Line Maintenance manuals and meets the requirements of FAR91.413 Part 23 App F. All maintenance performed on this Aircraft was performed in accordance with current regulations of the Federal Aviation Administration and was determined to be in an aircrostry condition and is approved for return to service for work performed. Perinnent details of the paintenance are on file at this Repair Station under the Work Order Number stated above. A copy of this work order has been given to the operator. INSPECTOR: Bryant D Potyk 24TE: 29 May 2014	anance	SUN AVIATION, INC., Vero Beach, FL (VRB) Date: 06/20/14 AIRCRAFT LOG N293SF Hobbs: 92.2 Model: PA46-500TP Aircraft SN: 4697538 Bled right Co-Pilot side brake and serviced brake reservoir per PA46-500TP MM 32-40-00. 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 # S001707 Signature CRS # ECWR470D Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (772) 562-9257
— INSPECTOR. Styan D Potyk 25 May 2014		
_		
otc ar		

Registration No._____





AIRFRAME RECORD ENTRY

Registration	N293SF		
Model No.	PA46-500TP		
Serial No.	4697538		

Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y

Phone (210) 384-3388 Fax (210) 384-3394

Hour Meter	173.2
Total Time	173.2
Landings	
PAGE 1	OF 2

- COMPLIED WITH AN ANNUAL INSPECTION USING THE PIPER PA-46-500TP MAINTENANCE MANUAL CHAPTER 5-20-00 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. PERFORMED POST INSPECTION ENGINE RUNS AND SYSTEM CHECKS WITH ALL INDICATIONS AND OPERATIONS NORMAL.
- 2. COMPLIED WITH THE FOLLOWING PIPER CHAPTER 5-20 SPECIAL INSPECTIONS:
 - 30 DAY BATTERIES AND BATTERY COMPARTMENT INSPECTION. NO DEFECTS NOTED.
 - 30 DAY OXYGEN BOTTLE INSPECTION, NO DEFECTS NOTED.
 - 30 DAY/12 MONTH PORTABLE FIRE EXTINGUISHER INSPECTION AND WEIGHT CHECK. NO DEFECTS NOTED.
 - 30 DAY INSTALLED ELT INSTALLED TRANSMITTER SELF TEST. TESTED GOOD.
 - 30 DAY/12 MONTH STANDBY ATTITUDE INDICATOR EMERGENCY POWER SUPPLY INSPECTION AND CAPACITY TEST. NO DEFECTS NOTED.
 - 90 DAY HYDRAULIC PUMP RESERVOIR LEVEL CHECK.
 - 90 DAY BRAKE FLUID RESERVOIR FLUID LEVEL CHECK.
 - 50 HOUR INSPECTION OF OLEO STRUTS FOR PROPER EXTENSION AND LEAKS. NO DEFECTS NOTED.
 - 50 HOUR PROPELLER HEAT INSPECTION AND OPERATIONAL CHECK. NO DEFETS NOTED.
 - 100 HOUR/12 MONTH LUBRICATION ITEMS.
 - 12 MONTH PROPELLER LUBRICATION.
 - 12 MONTH INSPECTION/TEST OF PILOT'S OXYGEN MASK. NO DEFECTS NOTED.
 - 12 MONTH INSPECTION AND RETORQUE OF ENGINE MOUNT TO FIREWALL ATTACH BOLTS.
 - 12 MONTH CAPACITY TEST OF THE MAIN AIRCRAFT BATTERY. TEST PASSED.
- 12 MONTH INSPECTION AND CHECK OF THE GFS700 SYSTEM. NO DEFECTS NOTED.

 COMPLIED WITH 13 MONTH FAD 04 007(R) FLT INSPECTION.

 TO THE GENERAL PROPERTY OF THE GENERAL PROPE
- COMPLIED WITH 12 MONTH FAR 91.207(D) ELT INSPECTION AND TEST. NO DEFECTS NOTED. BATTERY DUE REPLACEMENT 12/2020.

	 	 _
		٦

Registration	No
--------------	----



	FU	
Leading	the Busine	ss of Aviation

AIRFRAME RECORD ENTRY

Registration N293SF
Model No. PA46-500TP
Serial No. 4697538

Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 384-3388 Fax (210) 384-3394

ENIKI					
Hour Meter	173.2				
Total Time	173.2				
Landings					
PAGE 2 OF 2					

- 4. ADJUSTED LEFT AND RIGHT AILERON CABLE TENSIONS PER PA-46-500TP MM 27-00-00 AND 27-10-00.
- ADJUSTED YAW AND ROLL SERVO BRIDLE CABLE TENSIONS PER PA-46-500TP MM 22-10-00.
- 6 POLISHED LEFT AND RIGHT LANDING LIGHT LENSES AND APPLIED CLEAR EROSION TAPE P/N WF-CLF-315-2500
- COMPLIED WITH PIPER SB 1204. OPERATING HISTORY OF THIS AIRCRAFT HAS BEEN DETERMINED TO BE "CATEGORY I, NORMAL USAGE" AT THIS TIME. NEXT DUE 12-24-2014 OR 423.2 HRS.

I CERTIFY THAT AN ANNUAL INSPECTION HAS BEEN PERFORMED ON THIS AIRFRAME IN ACCORDANCE WITH FAR 43 APPENDIX D, AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 11M-3142

	Date:	12/30/2014	Authorized Signature:	K-	I / Cal	Richard Kurlan
_			- ,			
-					· ·	

AIRCRAFT LOG

Date	Aircraft Time		Reco	rder	
	This Date	Total	Read	ding	Maintenance
11/9/15	Brought Forward	213.9	Reg: N 2 Date: ii / TTSN: 2 / TACH: 2	9/2015	$ \begin{array}{ccccc} N & E & A & I & R \\ & A & V & I & O & N & I & C & S \end{array} $
			The ALtimete	er, Pitot, Si	tatic and Altitude Reporting Systems have been tested and
			The ATC Tra Appendix F, a	nsponde rs as required	has been tested and found to be in compliance with FAR 43, by FAR 91.413
			1	VEXAI	R AVIONICS CRS:N4OR087B WO: 2966
11/9/15		213.9	W.O. 7	966	PERFORMED SOFTWARE UPDATE ON GIOOO NAV/COM/GPS SYSTEM IN ACCORDANCE WITH SERVICE
,					IN ACCORDANCE WITH SERVICE
					LETTER (PIPER) 1195. UPGRADED SOFTWARE TO 720,17. OPS CHECK
				1	SOFTWARE TO 720,17. OPS CHECK
					PERFORMED: ALL READINGS SATISFADOR
					Bryami Saluts
Total To Carry Forward					BENSAMIN SCHULTZ
-					CRSN4ORØ87B
					NEXAIR AVIONICS LLC

and R		A	VIATION	Shoreline Aviation, Inc.	
				Marshfield Municipal Airport George Harlow Fleld (GHG) 93 Old Colony Lene Marshfield, MA 02050	
	11/9/2015	N293SF	PA46-500TP, s	erial # 4697538	Aircraft Logbook
	Hobbs Hours: 2 Engine CSN: 13		: 213.9 :: Total Ldgs	138 :: #1 Engine TT: 2	13.9 :: Prop. TT: 213.9 ::
	Completed anni maint, manual a		cordance with FAR 43	, app. D using Piper form	s for Events #1 & #2 from the
	2) Completed t	he following Piper re	ecommended Special	. Next due 11/16. ELT b Inspections: 30 day, 90 c	pattery is due 12/20. day, 6 month, 1 year, main 131 & Piper Service Letter
	1135.			•	•
	 C/W Piper Staction is required 		7 on the empennage ri	vets and found rivets inst	alled per figure 2 so no further
		Service Bulletin 128		ose gear servicing placare odifying the cabin altitude	d per bulletin instructions. encoder installation per
	6) C/W Piper S instructions.	Service Bulletin 1280	by installing a new ca	abin fire extinguisher per	Piper kit 88572-001
	7) C/W Piper S 8) C/W Piper S	Service Letter 1189E	by inspection of the	uum bleed port cover kit p GCU reverse current prot	part # 88553-001. ection and color coding of
		ctors per Letter inst Aircraft has been i		e with an annual inspecti	ion and was determined to be
	in an airworthy		nopeoted in accordant	c war arramaa napeoa	on and was determined to be
	Shoreline Aviati 93 Old Colony L Marshfield, MA	ane			
	781-837-8521	4	0	1) /	

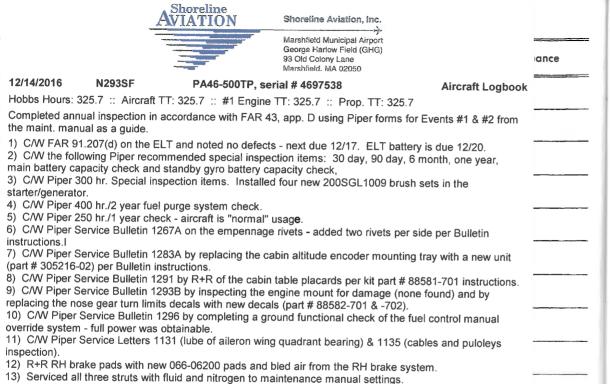
John E. Sheehan A+P 3439269 IA

AIDCDAET LOC

	uary-2016 WO#	ET MANSFIELD, I 3013 HOBBS 235. A46-500TP	MA 02048 N4OR087B 3	Pg 1 / 1
	LO)(s/n:88956560)		57513). INSTALLED EXCHAN MAG SWING. OPS CHECK PER	
	_	Shoreline AVIATION	Shoreline Aviation, Inc. Marshiloid Municipal Airport	-
	Nonce	DA40 500TD	George Hartow Fleld (GHG) 93 Old Colony Lane Marshfield, MA 02050	-
Hobbs Hours	N293SF 235.3	PA46-0001P,	serial # 4697538	Aircraft Logbook
Executive Airo 2) Serviced a 3) Completed instructions w The above wo	eraft Interiors in CT. Il three struts with fl Garmin magnetom ith satisfactory resu rk was completed in	See attached Piper puid and nitrogen to ma eter calibration proceduts.	www.ite synthetic leather mat haperwork for material certification. hintenance manual settings. Hure to both GRS77 units per tent regulations of the Federaned.	maintenance manual
Shoreline Avia 93 Old Colony Marshfield, M 781-837-8521	Lane	Signad V	lward t No	rah

Edward J. Novak Jr. A+P 2832024 IA

		Registration No.			
		AVIATION	Shoreline Aviation, Inc. Marshfield Municipal Airport George Harlow Field (GHG) 93 Old Colony Lane Marshfield. MA 92050		Certificate No.
1/22/2016	N293SF	PA46-500TP, se	rial # 4697538	Aircraft Logbook	
The above work	w Micheling air	6.00x6 8pr main tires. Rep I in accordance with curren e for the work accomplished	t regulations of the Feder	al Aviation Administration and	
Shoreline Aviatio 93 Old Colony L Marshfield, MA 781-837-8521	ane	Signed Lim	A Asabor	ioi f	
			James Asadoorian J	r. A+1 31308880	
				The state of the s	



Edward J. Novak Jr. A+P 2832024 IA

12/14/2016

starter/generator.

instructions.

inspection)

Cari Leak check OK.

to be in an airworthy condition.

14) R+R generator ammeter shunt relay with a new unit (part # 584-428).

16) R+R LH main gear extend hose. Hose fittings were reused and new 111-4 hose material was used.

I certify that this Airframe has been inspected in accordance with an annual inspection and was determined

15) R+R RH outboard elevator static wick with a new unit.

			Signature	Certificate No
	LOGBOOK ENTRY			
	I I			
	<u>AIRFRAME</u>			
	Name: Nacro Llc A/C: N293SF			
	W.O.: 9586 Time:			
1	Date: 12/30/16 AC S/N: 4697538	İ		
	Replaced the tube in the right tire with a new tube P/N 302-246-401.			
	Assembled and reinstalled the right tire and inflated tire to 55 psi.			
ŀ				
	With respect to the work performed and described above, this aircraft is			
	approved for return to service.			
	Signature P ///// App 1// Lap 1000000			
П	Signature: A&P 1898863 August/Mazzella			
1	FlightLevel Norwood LLC - Maintenance			
	209 Access Rd., Norwood, MA 02062			
	2007 NOCCSS Rd., (NOT WOOD, IVIA 102002			
				†
		1		
				ļ
		i		
		}		
	N			
		į		
			W	
		1		

Dominton M.



Engine Logbook





Volume #: 1

Opened on: 2 8 SEP 2013

ENGINE DETAILS

1. Manufacturer	Pratt & Whitney Canada Corp.
2. Type/Model/Series	E.T.C. E- <u>12</u> PT6A- <u>42A</u> B/S: <u>1192</u>
3. Serial Number	PCE- RM0606

THIS ENGINE SERVICED WITH

BY TURBO 2380

OIL AT THE PIPERFACTORY

CYCLE COUNT AS OF __NOV 2 2 2013

NUMBER OF CYCLES __4

Section 1: Record of engine maintenance and elementary work

Date //	Time since new	Time since overhaul	Total cycles	Det	tails of task
2 8 SEP 2013	00	00		inhibiting run co	acceptance test and mpleted satisfactoril on for safe operation.
b/W20B	00	00	0	Applied Procyon corrosion compressor Inlet case per Pratt&Whit Maintance. Manual P/N 3021442 Cha	ney
S NOV 7013	Pratt & Whitney c/o Piper Aircrat 2926 Piper Driv	ft, Inc.		№ Pratt & W	/hitney -
	Vero Beach, FL	32960 raft Model	Aircraft Serial Number	A United Technologic Aircraft Registration	Aircraft Hour Meter
	Engi	ne Model 6A-42A	4697538 Engine Serial Numb RM0606	er Engine Position Single Engine	Engine Total Time 0 Engine Total Cycles
	E. al Elass and	d ITT indications	during engine grou	t was removed and replaced of the state of t	take off power. Removed
	Remove Toro	ue Limiter P/N:	3055738-01A S/N:	C79658 and installed a new poove Propeller fluctuation.	Forque Limiter P/N
	Remove Torq 3055738-01A	que Limiter P/N: A S/N: C79535 for been performed ada PT6A-42A 6	3055738-01A S/N: or troubleshooting ab	C79658 and installed a new pove Propeller fluctuation. The applicable standards of air manual P/N 3021442 Rev No.	rworthiness and Pratt & 1.47 dated 08 March 2013.

		Signature	AME ACA/AMO SCA/AMO
NG/√0 <u>35300</u> RPM, at <u>850</u> SHP/δ√0			
			
ITT Trim: 22.7 C°		K. PIVIDOR	
T5 Trim Resistance: 48.5 Ohms	(1401)	///	T.C. 4-58 NO. 024
		c k	
	ť	4 PT 3 45539	3
		Δ ,	
		Wam D Gen	Disa

Section 1: Record of engine maintenance and elementary work

Date //	Time since new	Time since overhaul	Total cycles	Details of task
Date: <u>[1-]2-2</u> 01			E	
Aircraft S/N: <u>4697 53</u>	Reg. Num	nber: <u>N293SF</u>	•	
Aircraft Engine Model:	PT6A-42A S/N: !	PCE-RM0606		
TTE: 1.8	Cycles:	2		
Performed Engine Wate Manual Part Number 302 Cleaning, Engine Washin	21442, Chapter/ Section g Instructions.	n 71-00-00, Power Plai	se nt	
Signature:		ficate Number: AP33	200004	
	PIPER AIRCRAFT,		528631	
· ·pc·	FIFER AIRCRAFT,	, INC.		
			= =	
Date: 11/22/20	013			
Aircraft S/N: <u>4697 \$</u>	32 Reg. Nu	mber: <u><i>N2</i>93<i>SF</i></u>	2	
Aircraft Engine Mode				
TTE: 2.9				
Performed Engine Wa	,		nce	
Manual Part Number 3 Cleaning, Engine Wash	021442, Chapter/ Secti	on 71-00-00, Power Pl	ant	
Signature:	Shif		(Market Agent Agent	
Name: <u>Tony Sch</u>		tificate Number: AP:	3328631	
Piper	PIPER AIRCRAF	T, INC.		
				- 10 mm/r

Signature

AME ACA/AMO SCA/AMO



Registration	N293SF
Model No.	PA46-500TP
Serial No.	4697538
Engine M/N	PT6A-42A
Engine S/N	PCE-RM0606

Leading the Business of Aviation

Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394

ENGINE RECORD ENTRY

Hour Meter	53.3
Total Time	53.3
Landings	

PAGE 1 OF 1

- COMPLIED WITH FIRST 50-HOUR WARRANTABLE INSPECTION IN ACCORDANCE WITH THE PIPER PA46-500TP INSPECTION GUIDE PART NUMBER 765-041.
- COMPLIED WITH A COMPRESSOR AND TURBINE WASH.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of the repair are on file at this repair station under

Work Order: 11M-2860

Date:

04/29/2014

Authorized Signature:

Richard Kurland

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

Date: 06/20/14 **Engine LOG**

Hobbs: 92.2 Model: PA46-500TP

Aircraft SN: 4697538

Performed a compressor inlet and CT desalination wash per P&W PT6A-42A MM 71-00-00.

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 # S001707

N293SF

Signature . CRS # ECWR470D Sun Aviation, Inc., Municipal Airport, Vero Beach, FL 32961 (772) 562-9257

						-4	
Registration N293SF Registration N293SF Model No. PA46-500TP Serial No. 4697538 Engine M/N PT6A-42A Engine S/N PCE-RM6606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-4 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. 2. COMPLIED WITH 12 MONTH/100 HOUR MOMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A M 71-00-00. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A M 71-00-00. 4. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A M 71-00-00. 5. PERFORMED GROUND RUN WITH SATISFACTORY RESULTS. 1. CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D, AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED RE RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 1113142 Date: 12/30/2014 Authorized Signature: Richard Farms File (RICH) Signature: Richard Kurla Richard Signature: Richard Kurla Richard Signature: Ri	Date - / /			Total cycles		Details of	task
Registration N. P.48-50TP Model No. P.46-500TP Serial No. 4697538 Engine M/N PT6A-42A Engine M/N PT6A-42A Engine S/N PCE-RM0606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-6 EVENT 1 AND 2 INSPECTION OF HEAVEN AS A SUIDE. 2. COMPLIED WITH 12 MONTH/100 HOUR MAGNETIC CHIP DETECTOR BRIDGE AND CONTINUITY CHECK PE PRATT & WHITNEY PT6A-42A MM 72-10-00. NO DEFECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A MM 72-10-00. ON DEFECTS NOTED. 5. PERFORMED GROUND RUN WITH SATISFACTORY RESULTS. 1. CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D. AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Mainthide Maint		Piper		Leading the Busines	S of Aviation		
Model No. PA46-500TP Serial No. 4697538 Engine M/N PT6A-42A Engine S/N PCE-RM0606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-4 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. 2. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A MM 72-14-00 NO DEFECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A MM 72-10-00 NO DEFECTS NOTED. 5. PERFORMED GROUND RUIN WITH SATISFACTORY RESULTS. 6. COMPLIED WITH 100 HOUR STATIC INSPECTION OF MANUAL OVERRIDE SYSTEM PER PT6A-42A MM 70-00-00. NO DEFECTS NOTED. 7. COMPLIED WITH 100 HOUR STATIC INSPECTION OF MANUAL OVERRIDE SYSTEM PER PT6A-42A MM 70-00-00. NO DEFECTS NOTED. 8. PERFORMED GROUND RUIN WITH SATISFACTORY RESULTS. 8. ICERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D, AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Perlinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Marabidid Mark Occopy House Head (Richa) says the maint manual as a guide. 11/9/2015 N293SF PA46-600TP, serial # 4697638 Engine Logbook Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed engine compressor performance recovery wash and compressor turbine water was per the engine maint manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual inspection in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, inc. 93 Old Colony Lane Marshfield, MA 20050	Pegistr	ation N29	RSF (Cutter Aviation San	Antonio, Inc.	Hour Meter	173.2
Serial No. 4697538 Engine M/N PT6A-42A Engine M/N PT6A-42A Engine S/N PCE-RM0606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-6 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. 2. COMPLIED WITH 12 MONTH/100 HOUR MACNETIC CHIP DETECTOR BRIDGE AND CONTINUITY CHECK PE PRATT 8 WHITHEY PT6A-42A MIY 2-10-00. NO DETECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT 8 WHITNEY PT6A-42A MIY 2-10-00. NO DETECTS NOTED. 5. PERFORMED GROUND RUN WITH SATISFACTORY RESULTS. 1. CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D, AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FO RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Maintenance Available Availa				367 Sanda	u Rd.	Total Time	173.2
Engine M/N PT6A-42A Engine M/N PCE-RM0606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-6 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE 2. COMPLIED WITH 12 MONTH/100 HOUR MAGNETIC CHIP DETECTOR BRIDGE AND CONTINUITY CHECK PERATT & WHITNEY PT6A-42A MM 72-10-00. NO DEFECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A MM 72-10-00. NO DEFECTS NOTED. 4. COMPLIED WITH 100 HOUR STATIC INSPECTION OF MANUAL OVERRIDE SYSTEM PER PT6A-42A MM 71-00-00. NO DEFECTS NOTED. 5. PERFORMED GROUND RUN WITH SATISFACTORY RESULTS. 1. CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA43. APPENDIX D. AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Authorized Signature: Richard Kurla Minimipal Airport Query Brown of the Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint manual as a guide. 11/8/2015 N293F PA46-500TP, serial #4697538 Engine Logbook Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Pratt & Whitney SB 3456R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. 1 certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA CO250 781-837-8521				San Antonio, Te	xas 78216	Landings	
Engine S/N PCE-RM0606 1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-6 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. 2. COMPLIED WITH 12 MONTH/100 HOUR MAGNETIC CHIP DETECTOR BRIDGE AND CONTINUITY CHECK PE PRATT & WHITNEY PT6A-42A MM 72-10-00. NO DEFECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A M 71-00-00. 4. COMPLIED WITH 100 HOUR STATIC INSPECTION OF MANUAL OVERRIDE SYSTEM PER PT6A-42A M 70-00-00. NO DEFECTS NOTED. 5. PERRORMED GROUND RUN WITH SATISFACTORY RESULTS. 1. ICERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D. AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Authorized Authorized Authorized Authorized Authorized Signature: Richard Kurla 11/9/2016 N293SF PA46-500TP, serial # 4697538 Engine Logbook Hobbs Hous: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Prop. TT: 213.9 :: Prop. TT: 213.9 :: Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Prat & Whitney \$8 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. 1 certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521				AA Repair Station i 2 (210) 340-6780 F	ax (210) 384-3394		05.4
1. COMPLIED WITH A 100 HOUR INSPECTION USING THE PA46-500TP MAINTENANCE MANUAL CHAPTER 5-20-0 EVENT 1 AND 2 INSPECTION CHECKLISTS AS A GUIDE. 2. COMPLIED WITH 12 MONTH/100 HOUR MAGNETIC CHIP DETECTOR BRIDGE AND CONTINUITY CHECK PE PRATT & WHITNEY PT6A-42A MM 72-10-00. NO DEFECTS NOTED. 3. COMPLIED WITH 100 HOUR COMPRESSOR AND TURBINE WASH IAW PRATT & WHITNEY PT6A-42A M 71-00-00. 4. COMPLIED WITH 100 HOUR STATIC INSPECTION OF MANUAL OVERRIDE SYSTEM PER PT6A-42A M 70-00-00. NO DEFECTS NOTED. 5. PERFORMED GROUND RUN WITH SATISFACTORY RESULTS. I CERTIFY THAT A 100 HOUR INSPECTION HAS BEEN PERFORMED ON THIS ENGINE IN ACCORDANCE WITH FA 43 APPENDIX D. AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FA RETURN TO SERVICE. Pertinent details of the repair/inspection is on file at this repair station under Work Order: 111 3142 Date: 12/30/2014 Authorized Signature: Shoreline Avisition, Inc. WIATTION Shoreline Avisition, Inc. AVIATION Shoreline Avisition, Inc. 11/9/2015 N293SF PA46-500TP, serial # 4697538 Engine Logbook Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C.W. Prat & Whitney SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. 1 certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521				, (210) 010 010 0	(,	PAGET	OF I
Date: 12/30/2014 Authorized Signature: Richard Kurla Shoreline Aviation, Inc. Marshfield Municipal Airpon George Harlow Field (GHC) 93 Old Colony Lare Munsthfield Mar 2020 11/9/2015 N293SF PA46-500TP, serial # 4697538 Engine Logbook Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) CW Pratt & Whithey SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521	3. CO 71- 4. CO 70- 5. PE	MPLIED WITH 100 00-00. MPLIED WITH 10 00-00. NO DEFECT RFORMED GROUN FY THAT A 100 HC	O HOUR COMPRES O HOUR STATIC S NOTED. D RUN WITH SATIS OUR INSPECTION H	INSPECTION OF I	MED ON THIS ENGIN	SYSTEM PER PT	FE WITH FAR ROVED FOR
AVIATION Marshield Marchical Airport George Harlow Field (GHG) 93 Old Colony Lane Marshield. MA 02050 Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Pratt & Whitney SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. 1 certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521		12/30/201	4 Authori	zed Signature:	Roul K	Rice Rice	chard Kurland
11/9/2015 N293SF PA46-500TP, serial # 4697538 Engine Logbook Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Pratt & Whitney SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521			AVIA	ATION SI	arshfield Municipal Airport gorge Harlow Field (GHG) Old Colony Lane		
Hobbs Hours: 213.9 :: Aircraft TT: 213.9 :: Total Ldgs: 138 :: #1 Engine TT: 213.9 :: Prop. TT: 213.9 :: Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Pratt & Whitney SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521						Engine Lo	arbook
Engine CSN: 138 Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events #1 & #2 from the maint. manual as a guide. 1) Completed engine compressor performance recovery wash and compressor turbine water was per the engine maintenance manual instructions. 2) C/W Pratt & Whitney SB 3465R2 on the torque limiter and noted no looseness - no further actions is required. 3) Ground runup and functional checks were satisfactory with no fuel or oil leaks noted. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition. Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521		11/9/2015	N293SF				
Shoreline Aviation, Inc. 93 Old Colony Lane Marshfield, MA 02050 781-837-8521 Signed		Engine CSN: 138 Completed annual i maint. manual as a 1) Completed engi maintenance manu 2) C/W Pratt & WI 3) Ground runup at certify that this Air	nspection in accorda guide. ne compressor perfo al instructions. hitney SB 3465R2 on and functional checks rcraft has been inspe	nce with FAR 43, app rmance recovery was the torque limiter and were satisfactory with	Dusing Piper forms for and compressor turbing noted no looseness - no fuel or oil leaks noted.	or Events #1 & #2 from the water was per the of the of further actions is re- ted.	m the engine equired.
		Shoreline Aviation, 93 Old Colony Lan Marshfield, MA 02	Inc.	Signed	John E. Sheehan A-	►P 3439269 IA	
							
	-						
					1		

		Signature	AME ACA/AMO SCA/AMO
	Shoreline		
_	Shoreline Aviation, Inc.	· · ·	
_	Marshfield Municipal Airport George Harlow Field (GHG)		
	93 Old Colony Lane Marshfield. MA 02050		
	12/14/2016 N293SF PA46-500TP, serial # 4697538 English Hobbs Hours: 325.7 :: Aircraft TT: 325.7 :: #1 Engine TT: 325.7 :: Prop. TT: 325.7	gine Logbook	
	Completed annual inspection in accordance with FAR 43, app. D using Piper forms for Events	#1 & #2 from	<u> </u>
_	the maint. manual as a guide. 1) Completed compressor performance recovery wash and compressor turbine water wash pe	r engine	
	maintenance manual instructions. 2) Installed two new engine ignitor plugs (part # 10-390667-1).		
	3) Ground runup and functional checks completed with satisfactory results and no fuel or oil le		
_	I certify that this Engine has been inspected in accordance with an annual inspection and was obe in an airworthy condition.		
_	Shoreline Aviation, Inc.		
	93 Old Colony Lane Marshfield, MA 02050		
	Marshfield, MA 02050 781-837-8521 Signed Calward Moved &		
	Edward J. Novak Jr. A+P 2832024	IA	
	*		
<i>y</i>			
,			

Fax: 937.778.4391

Telex: 4332032

Piqua, Ohio 45356-2634 U.S.A. Telephone: 937.778.4200

One Propeller Place

HARTZELL PROPELLER INC.



PROPELLER LOGBOOK

PROPELLER MODEL HC-E4N-3Q

PROPELLER S/N HH 4871

LOGBOOK #

Date	Propeller TSN TSC	A/C Hrs	Description of all operations pertaini Service Documents, Overhaul, Major	ng to Airworthiness Directives, or Minor Repair, and Inspections.
	Prome	eller Lo	ন	
te: 🛴	<u>1-12-2</u> 013	Hobbs Time: _	1.8	
craft :	s/n: <u>469753</u>	Reg. Numb	er: <i>N2935F</i>	
р Ма	odel: <i>HC-E4</i> A	1-3Q s	/N: <u>##4871</u>	
nplie	ed with Hartzell Pro	opeller Owner's Mar	nual	
	ed Lubrication of	Prop by Manufact		
_		after 1 to 2 hours op	eration.	
natur	re:	my	<u></u>	
me:	Tony Schweitz	er A&P Certifica	ate Number: AP3328631	
ipe	er PII	PER AIRCRAFT, IN	С.	
		,		
		1		
$\overline{}$				
	1 1	1		
_				
	Pi		» CIITER»	PROPELLER RECORD
	Pij	per	Leading the Business of Aviation	PROPELLER RECORD ENTRY
	Registration	N293SF	Leading the Business of Aviation Cutter Aviation San Antonio, Inc.	ENTRY
	Registration Model No.	N293SF PA46-500TP	Leading the Business of Aviation Cutter Aviation San Antonio, Inc. 367 Sandau Rd.	ENTRY
	Registration Model No. Serial No.	N293SF PA46-500TP 4697538	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y	Hour Meter 53.3 Total Time 53.3 Landings
	Registration Model No. Serial No. Prop M/N	N293SF PA46-500TP 4697538 HC-E4N-3Q	Leading the Business of Aviation Cutter Aviation San Antonio, Inc. 367 Sandau Rd.	Hour Meter 53.3 Total Time 53.3 Landings
	Registration Model No. Serial No.	N293SF PA46-500TP 4697538	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y	Hour Meter 53.3 Total Time 53.3 Landings
	Registration Model No. Serial No. Prop M/N Prop S/N	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-339	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID	Leading the Business of Aviation Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-339	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP 2. LUBRI	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID CATED PROPELLE	Leading the Business of Aviation Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-339- 60-HOUR WARRANTABLE INSPECTION IN ACCO	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1 PRDANCE WITH THE PIPER PA46-
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP 2. LUBRI The aircraft/com Aviation Adminis	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID CATED PROPELLED ponent identified abortation and is approved.	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394 60-HOUR WARRANTABLE INSPECTION IN ACCOUNTY TO SEPART NUMBER 765-041. R HUB PER LUBRICATION CHART 12-20-00.	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1 PRDANCE WITH THE PIPER PA46-
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP 2. LUBRI The aircraft/com Aviation Adminis and functionally	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID CATED PROPELLED ponent identified about tration and is approviested in accordance	Leading the Business of Aviation Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-339- 60-HOUR WARRANTABLE INSPECTION IN ACCO	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1 PRDANCE WITH THE PIPER PA46-
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP 2. LUBRI The aircraft/com Aviation Adminis and functionally funder Work Order	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID CATED PROPELLE ponent identified about a proper identified about a proper identified about a proper identified and is approximated in accordance are: 11M-2860	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394 60-HOUR WARRANTABLE INSPECTION IN ACCOUNTE PART NUMBER 765-041. R HUB PER LUBRICATION CHART 12-20-00. Dove was maintained or altered in accordance with yed for return to service for the work performed. As with mfg's instructions. Pertinent details of the reservice for the work performed.	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1 PRDANCE WITH THE PIPER PA46-
	Registration Model No. Serial No. Prop M/N Prop S/N 1. COMP 500TP 2. LUBRI The aircraft/com Aviation Adminis and functionally funder Work Order	N293SF PA46-500TP 4697538 HC-E4N-3Q HH4871 LIED WITH FIRST 5 INSPECTION GUID CATED PROPELLED ponent identified about tration and is approviested in accordance	Cutter Aviation San Antonio, Inc. 367 Sandau Rd. San Antonio, Texas 78216 FAA Repair Station No. U7TR491Y Phone (210) 340-6780 Fax (210) 384-3394 60-HOUR WARRANTABLE INSPECTION IN ACCOUNTY TO SEPART NUMBER 765-041. R HUB PER LUBRICATION CHART 12-20-00.	Hour Meter 53.3 Total Time 53.3 Landings PAGE 1 OF 1 PRDANCE WITH THE PIPER PA46- Current regulations of the Federal All disrupted systems were restored epair are on file at this repair station

ate	Proj TSN	peller TSO	A/C Hrs					
		Pi	pei		Leading the Busine	SS of Aviation	PROPELLER ENTR	
	Regis	tration	N29	93SF	Cutter Aviation Sar		Hour Meter	173.2
	Mode		PA46	-500TP	367 Sanda		Total Time	173.2
	Seria	No.		7538	San Antonio, Texas 7821 FAA Repair Station No. U7TF		Landings	
ĺ	Prop			4N-3Q	Phone (210) 340-6780 F	ax (210) 384-3394	PAGE 1 OF 1	
	2. Lt 3. IN	OMPLIEI -20-00 E\ JBRICAT ISTALLE	D WITH A 1 /ENT 1 ANI FED PROPI D NEW BE	D 2 INSPE ELLER HU TA CARBO	INSPECTION USING THE PIL CTION CHECKLISTS AS A G B PER LUBRICATION CHART ON BLOCK P/N 3044 PER PA	UIDE. ⁻ 12-20-00. -46-500TP MM 61-10-0	NTENANCE MANUA	
	I CERT FAR 4 RETUR 3142	TIFY THA 3 APPEN RN TO S	NT A 100 H NDIX D, AN ERVICE. F	OUR INSP ID HAS BE Pertinent d	VITH SATISFACTORY RESULE ECTION HAS BEEN PERFORE EEN DETERMINED TO BE IN etails of the repair/inspection i	RMED ON THIS PROPI I AIRWORTHY COND Is on file at this repair s	ITION AND IS APPE	ROVED FOR Order: 11M-
	Date:		12/30/20	14	Authorized Signature:	Roul K	Ric	hard Kurland
		-						
	0)			0			0
					Ma Ge 93	coreline Aviation, Inc.		
		Engine Complete maint. n	Hours: 213.9 CSN: 138 ted annual in	nspection in guide.	PA46-600TP, serial aft TT: 213.9 :: Total Ldgs: 138 n accordance with FAR 43, app.	:: #1 Engine TT: 213.9 D using Piper forms for	Events #1 & #2 from	
		2) Grou	ınd runup aı	nd function craft has be	erosion from the leading edges of all checks were satisfactory with een inspected in accordance with Signed	no grease or oil leaks no n an annual inspection a	oted. Ind was determined to	be
+								
		1						
-								

Date	Prop TSN	eller TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.			
				Shoreline AVIATION Marshfield Municipal Airpor George Harlow Fleid (GHG 93 Old Colony Lane Marshfield. MA 02050 12/14/2016 N293SF PA46-500TP, serial # 4697538 Hobbs Hours: 325.7 :: Aircraft TT: 325.7 :: #1 Engine TT: 325.7 :: Prop. TT Completed annual inspection in accordance with FAR 43, app. D using Piper for the maint. manual as a guide. I certify that this Propeller has been inspected in accordance with an annual int to be in an airworthy condition. Signed Edward J. Novak Jr.	Propeller Logbook 7: 325.7 orms for Events #1 & #2 from spection and was determined		
	0)					

WEIGHT AND BALANCE



6.5 WEIGHT AND BALANCE DATA AND RECORD (Continued)

MODEL PA-46-500TP MERIDIAN

Airplane Serial Number	4697538
Registration Number	N293SF
Date	11/21/13

AIRPLANE BASIC EMPTY WEIGHT

Item	C.G. Arm Weight x (Inches Aft = Moment (Lbs) of Datum) (In-Lbs)		
Actual Standard Empty Weight* Computed	3427.3	136.8867	469151.8
Optional Equipment	36.1	182.7008	6595.5
Basic Empty Weight	3463.4	137.3642	475747.3

^{*}The standard empty weight includes full oil capacity and 3.0 gallons of unusable fuel.

AIRPLANE USEFUL LOAD - NORMAL CATEGORY OPERATION

(Ramp Weight) - (Basic Empty Weight) = Useful Load

(5134 lbs) - (3463.4 lbs) = 1670.6 lbs.

THIS BASIC EMPTY WEIGHT, C.G. AND USEFUL LOAD ARE FOR THE AIRPLANE AS LICENSED AT THE FACTORY. REFER TO APPROPRIATE AIRCRAFT RECORD WHEN ALTERATIONS HAVE BEEN MADE.

WEIGHT AND BALANCE DATA FORM Figure 6-5

REPORT: VB-1993

ISSUED: November 12, 2008

6-6

** Aircraft S/N 4697458 & Up

*Aircraft S/N 4697340, 4697399 - 4697457 Refer to page 6-17a for Notes 1 and 2.



6.9 WEIGHT AND BALANCE DETERMINATION FOR FLIGHT (cont)

Weight	Arm Aft of	Moment
(spunod)	Datum	(inch-pounds
	(inches)	
	135.50	
	135.50	
	136.70	
	177.00	
	177.00	
	218.75	
	218.75	
	157.48	
	222.31	
	248.23	
	286.50	
-42.61		
Locate the arm (Center of Gravity, C.G.) of the takeoff weight on the Center of Gravi If this point falls within the Weight/C.G. envelope, the loading is acceptable for takeoff.	ity Limits grapl	ı (figure 6-33).
	Neight oounds) 42.61 er of Grav or takeoff.	

Weight and Balance Computation Form **Standard Configuration (Normal Category)**

Figure 6-13A

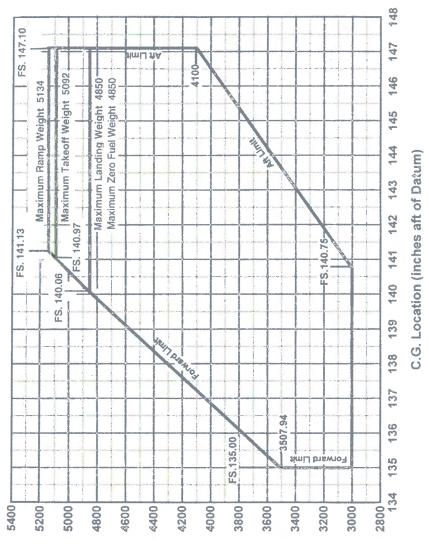
REPORT: VB-1993

6-16

ISSUED: November 12, 2008

REVISED: JUNE 30, 2011

6.9 WEIGHT AND BALANCE DETERMINATION FOR FLIGHT (cont)



Aircraft Weight (pounds)

Center of Gravity Limits Graph

Figure 6-33

REPORT: VB-1993 6-30

ISSUED: November 12, 2008

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION-FEDERAL AVIATION ADMINISTRATION STANDARD AIDWORTHINESS CERTIFICATE

	OTANDAND AIRWONTHINEGO GERTII IGATE									
1	NATIONALITY AND	2 MANUFACTURER AND MODEL 3 AIRCRAFT SERIAL 4 CATEGORY	П							
	REGISTRATION MARKS	PIPER								
	N293SF	AIRCRAFT, INC. PA-46-500TP 4697538 NORMAL								

5 AUTHORITY AND BASIS FOR ISSUANCE

This airworthiness certificate is issued pursuant to 49 U.S.C. § 44704 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.

Exceptions:

NONE

6 TERMS AND CONDITIONS

Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the FAA, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE

FAA REPRESENTATIVE

NOV 2 2 2013

of D. O. Sen

DESIGNATION NUMBER

ROBERT L. OLSEN DMR-832848-CE

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years or both.

THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (04-11) Supersedes Previous Edition







