

AIRCRAFT DESCRIPTION

Registration No. N45FF

Model: PA-46-500TP Popular Name: Meridian

Serial No.: 4697241 Type Certificate No.: A2550

Colors: _____

Engine Manufacturer: Pratt & Whitney Serial Numbers: Single PCE-RM0261

Original Engine Model: PT6A-42A Left: _____

Right: _____

Propeller Manufacturer: Hartzell Hub or Serial Number Single _____

Original Propeller Model: HC-E4N-30 Left: HH2407

Right: _____

Blade Numbers

Left	Right
<u>K30671</u>	_____
<u>K31032</u>	_____
<u>K30672</u>	_____
<u>K31030</u>	_____

May 26, 2017

M451T Piper PA46-500TP

S/N 4697241

Motor 883.2 ALET 883.2

Geo-CHEM LLC
Authorized Service Center

Warrior Aviation LLC
Hayward Executive Airport
FAA LRS No. ZAH4560Y
WOML 610958

This is a permanent part of the Aircraft Records. The following inspection, maintenance, repairs or
replacements were accomplished:

1. Completed with Annual Inspection per the Piper Maintenance Manual (Form #1 & 2 Inspection Checklist)
2. Completed engine inspection per Pratt & Whitney M91 (air) motor, routine and 100 hour items
3. Checked A/Ds through **Biweekly 2017-10** dated May 14, 2017.
4. Completed with **SH 1175H Part B** 501th recurring pilot's side work-pit window inspection and no defects were noted.
5. Completed with **SH 1294**, 250TH, wing fire train calibration and found all flight considered Category 1. Wing fire horn recalibration not required at this time.
6. Completed with **SH 1296**, fuel control manual override inspection per Pratt & Whitney SH A3487 and no defects were noted.
7. Completed with **SH 1280A**, HIR, portable fire extinguisher inspection/replacement by inspecting and found Piper p/n: 459-847 (01b) s. # R T-260(0) not installed. No further action required.
8. Completed with 20 hour propeller drive cylinder inspection and no defects and ops checks OK.
9. Completed with 50 hour landing gear strut inspection for proper extension and fluid leakage and no discrepancies noted.
10. Completed with 100 hr / 12 Mo. Lubcs.
11. Completed with FAR 91.207(G) E.T. battery replacement. Replaced battery per 452-013B, SW 364365-084 and installed new battery on 371747-013. Also battery expires Oct 2019.
12. Completed with 12 month FAR 91.207(G) E.T. checks. Performed visual inspection and operational checks, not checked OK. Installed and and placed switch to "ARM" position. Battery expires Oct 2019.
13. Completed with 200 hr / 4 Mo. battery (p/n: RG-43 w/n: 40722107) capacity check and battery pressed at 85%. Re-charged and reinstalled. Next capacity check due: 6/31/17 on 434471hr.
14. Completed with 1 month battery compartment inspection, no defects noted.
15. Completed with 1 month fire extinguisher inspection, no defects noted.
16. Completed with 1 month oxygen system inspection, no defects noted.
17. Completed with 1 month hydraulic power pack fluid level check and serviced as required.
18. Completed with 2 month brake reservoir fluid level check and checks OK.
19. Completed with 12 month Airborne pit: H137 check valve inspection per SL-39A and valve ops checks OK.
20. Completed with 12 month engine mount bracket and hardware inspection, no defects noted.
21. Completed with 12 month pilot's oxygen mask test per AMM 35-10-50 and no defects noted.
22. Completed with 12 month emergency power supply capacity test. Replaced PS-834A power supply per 501-1682-01. SW: 80121 and seal for test. Reinstalled same power supply after successful test performed by NACair Systems, CSRSA WBS319191.
23. Completed with 60 month inspection of the wing, horizontal stabilizer and vertical stabilizer attach fittings per AMM 55-10-00, 55-20-00 and 57-40-00 and no defects noted.
24. Completed with 60 month inspection of the elevator trim tab protrusion per AMM 55-20-50 and no defects noted.
25. Completed with 300 hour oxygen system inspection, no defects noted.
26. Completed with 601 hour / 12 month ship detector bridge gap check and ship detector checks OK.
27. Tightened connection at the A2 terminal of the K-405 relay. #1 generator system ops checks OK.
28. Checked reverse lockout system by checking pins 4 and 5 at connector F317 and no defects noted. Checked connectors at F333 connector and all check OK. Performed operational check of the reverse lockout system and all checks OK.

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acft/Case	Hysteresis		
-1000	0		1.0	61@1800			
0	0		1.0				
500	-1.0		1.0	% Altitude Tested	Altitude Tested	Amount Hysteresis	
1000	-2.0	0	1.0	50%	18h	0	
1500	-1.0		1.0	40%	14h	0	
2000	-1.0	0	1.0	After Effect <input type="checkbox"/> Check Pitot Heat <input type="checkbox"/>			
3000	-1.0	0	1.0	Baro. Scale Error (± 25 ft.)			
4000	-1.0		1.0	28.10	-1727		
5000	-1.0		1.0	28.50	-1340		
6000	-1.0		1.0	29.00	-863		
8000	-1.0		1.0	29.50	-392		
10000	-1.0	0	1.0	29.92	0		
12000	-1.0		1.0	30.50	+531		
14000	-1.0		1.0	30.90	+893		
15000	-2.0	0	1.0	30.99	+974		
16000	-2.0		1.0	Aircraft # N45FF			
18000	-2.0		1.0	Date Tested: 5/17/17			
20000	-2.0	0	1.0	Technician:			
22000	-3.0		1.0	Inspector:			
25000	-7.0	0	2.0	Tested in compliance with Appendix E, Part 43, F.A.R 91.411			
30000	-4.0	0	2.0	Tested to: 75h ft. W.O.#: 13166			
35000	-5.0	0	2.0	Precision Static Testing FAA CRS# QJAR856X			
40000				Form 1A PILOT / FIRST OFFICER / STAND-BY			
45000							
50000							

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acft/Case	Hysteresis		
-1000	-1.0		-1.0	61@1800			
0	-1.0		1.0				
500	-1.0		1.0	% Altitude Tested	Altitude Tested	Amount Hysteresis	
1000	-1.0	0	1.0	50%	18h	0	
1500	-1.0		1.0	40%	14h	0	
2000	-2.0	0	2.0	After Effect <input type="checkbox"/> Check Pitot Heat <input type="checkbox"/>			
3000	-2.0	0	2.0	Baro. Scale Error (± 25 ft.)			
4000	-2.0		2.0	28.10	-1727		
5000	-2.0		2.0	28.50	-1340		
6000	-2.0		2.0	29.00	-863		
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16000	-3.0		2.0	Aircraft # N45FF			
18000	-3.0		2.0	Date Tested: 5/17/17			
20000	-3.0	0	2.0	Technician:			
22000	-4.0		2.0	Inspector:			
25000	-4.0	0	2.0	Tested in compliance with Appendix E, Part 43, F.A.R 91.411			
30000	-5.0	0	2.0	Tested to: 75h ft. W.O.#: 13166			
35000	-6.0		2.0	Precision Static Testing FAA CRS# QJAR856X			
40000				Form 1A PILOT / FIRST OFFICER / STAND-BY			
45000							
50000							

Test Altitude	Scale Error	Friction Error	Encoder	Leak Acft/Case	Hysteresis		
-1000	+1.0			61@1100			
0	-1.0						
500	-0.0			% Altitude Tested	Altitude Tested	Amount Hysteresis	
1000	-5.0	0		50%	18h	+1.0	
1500	0			40%	14h	+2.0	
2000	0	0		After Effect <input checked="" type="checkbox"/> Check Pitot Heat <input type="checkbox"/>			
3000	-2.0	0		Baro. Scale Error (± 25 ft.)			
4000	-2.0			28.10	-1727		
5000	-2.0			28.50	-1340		
6000	-2.0			29.00	-863		
8000	-2.0			29.50	-392		
10000	-3.0	0		29.92	0		
12000	-4.0			30.50	+531		
14000	-2.0			30.90	+893		
15000	-3.0	0		30.99	+974		
16000	-4.0			Aircraft # N45FF			
18000	-6.0			Date Tested: 5/17/17			
20000	-8.0	0		Technician:			
22000	-8.0			Inspector:			
25000	-5.0	0		Tested in compliance with Appendix E, Part 43, F.A.R 91.411			
30000	-1.0	0		Tested to: 75h ft. W.O.#: 13166			
35000	-6.0	0		Precision Static Testing FAA CRS# QJAR856X			
40000				Form 1A PILOT / FIRST OFFICER / STAND-BY			
45000							
50000							

