

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

Registration No. N1066D
 Model: PA-46-500TP Popular Name: MERIDIAN
 Serial No.: 4697286 Type Certificate No.: A25SO
 Colors: SNOW WHITE / BLUE MET #3 & TITANIUM MET. / BLUE MET. #3
 Engine Manufacturer: PRATT & WHITNEY Serial Numbers: Single PCE-RM0307
 Original Engine Model: PT6A-42A Left _____
 Right _____
 Propeller Manufacturer: HARTZELL Hub or Serial Number: Single HH2717
 Original Propeller Model: HC-E4N-3Q Left _____
 Right _____

Blade Numbers

Left	Right
<u>K47917</u>	_____
<u>K47924</u>	_____
<u>K47920</u>	_____
<u>K47922</u>	_____

[illegible]

A. D. No. / and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
<p style="text-align: center;">LOPRESTI SPEED MERCHANTS 2620 AIRPORT NORTH DRIVE VERO BEACH FL 32960</p> <p>12-19-06 N1066D PA-46-500TP S/N4697286 HOBBS 16.6 INSTALLED LOPRESTI BOOM BEAMS IN NOSE AND ON WING TIPS IN ACCORDANCE WITH STC SA02279AT. INSTALLED LOPRESTI HUBBA CAPS IN ACCORDANCE WITH STC SA01224AT (SEE 337 THIS DATE). WEIGHT AND BALANCE REVISED AND ENTERED INTO FLIGHT MANUAL.</p> <p> STEVEN J VAN ANTWERP AP 2615110911A</p>				

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
DEC 07 2006	Brought Forward →	4.9		I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate.
				The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested:
				On (Pri) 11/1/06 (Sec) 11/9/06
				34,500 ft 34,500 ft
				The ELT is installed per FAR 91.207. Battery Replacement date:
				Dated: DEC 07 2006
				John S. Hambleton
				ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida
				John S. Hambleton
Total To Carry Forward		4.9		

Registration No. N1066D

and Remarks	Signature	Certificate No.
The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43. Appendix F.		
1. Make <u>GARMIN</u> Model <u>GTX330</u> S/N <u>84123565</u>		
2. Make <u>GARMIN</u> Model <u>GTX330</u> S/N <u>84123631</u>		
Details of this inspections are on file at this facility under:		
ACFT S/N <u>4697286</u> Date <u>11/15/06</u>		
The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: <u>11/15/06</u>		
<u>John S. Hambleton</u>		
John S. Hambleton		
ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
DEC 07 2006	Brought Forward →	4.9		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 +/- 1/2
				STALL WARNING TIP GRAMS
				ACTUAL SETTINGS
				FLAPS
				Full Up 0° <u>+3.8</u>
				10° - 20° <u>+4.4</u>
				Full Down 36° <u>+ .9</u>
Total To Carry Forward		4.9		

Signed: John S. Hambleton

ODARF-511281-CE

John S. Hambleton
PIPER AIRCRAFT, INC.

Registration No. N1066D

and Remarks	Signature	Certificate No.
The standby altimeter and static system test required by FAR Part 91.411 have been performed. The standby altimeter has been tested to <u>35,000</u> feet on <u>11/4/06</u> .		
Signed: <u>John S. Hambleton</u> ODARF-511281-CE		
John S. Hambleton PIPER AIRCRAFT, INC.		

MAKE: Piper
MODEL: PA-46-500TP
S/N: 4697286
REG. NO: N1066D
WORK ORDER: 2209-12-2006

The New Piper Aircraft, Inc.

2926 Piper Drive
Vero Beach, FL 32960

Repair Station No. ZPAR410X

DATE: 12/11/2006
TTA: 5.90
Airframe TT: 5.90
Landings:
HOBBS: 5.90

Airframe Entries

Removed battery close out panel, trimmed gasket as required and installed panel. Rework acceptable....

The aircraft, airframe, engine, propeller or appliance identified above was inspected, tested, repaired, rebuilt, modified or upgraded in accordance with Title 14 of the Code of Federal Regulations (CFR), Manufacture's Process Spec. and Type Design Data and with respect to the work performed is approved for return to service. Pertinent details of Customer Acceptance Items/Maintenance are on file at this facility under the work order number listed above.

DATE: 12/11/2006

SIGNED:

Frank Haas

Certified Repair Station No. ZPAR410X

WORK ORDER: 2209-12-2006

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Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N1066DA/C S/N: 4697286DATE: 12/15/06A/C TOTAL TIME: 11.0HOUR METER: 11.0W/O NO: MWO-06-1943ENGINE TOTAL TIME 11.0

S.M.O.H.

1. Jacked aircraft. Adjusted nose gear rollers to achieve proper clearance with steering arm in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 32-20-00. Retorqued nose gear axle nut as required. Operational and clearance checks satisfactory.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, 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 FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-06-1943DATE: 12/15/06SIGNED: Kallista H. S. G.

FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Registration No. _____

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

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A/C REG: N1066DA/C S/N: 4697286DATE: 12/18/06A/C TOTAL TIME: 11.0HOUR METER: 11.0W/O NO: MWO-06-1946ENGINE TOTAL TIME 11.0

S.M.O.H.

1. Removed and replaced generator control unit (GCU) contactor with new, P/N: 499-694 in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 91-24-30.
2. Performed ground run, operational check satisfactory.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, 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 FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-06-1946DATE: 12/18/06SIGNED: Kallista H. S. G.

FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

N1066D

LOG BOOK ENTRY

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4697286

A/C REG:

A/C S/N:

DATE: 12/21/2006

A/C TOTAL TIME:

HOUR METER: 20.9

W/O NO. A-06-1656

ENGINE TOTAL TIME

S.M.O.H.

1. Removed D3 suppressor diode P/N 688-002 and replaced with warranty exchange unit. Operational check satisfactory.

- END -

Maintenance Release

The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# A-06-1656 Date: 12/21/2006

Signed:

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # SO5R204N

Airframe

N1066D

LOG BOOK ENTRY

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4697286

A/C REG:

A/C S/N:

DATE: 02/02/2007

A/C TOTAL TIME:

HOUR METER: 45.0

W/O NO. A-07-1680

ENGINE TOTAL TIME

S.M.O.H.

1. Complied with Avidyne SB# 601-0004-074. Updated MFD software to 530-00180-000 Rev 4. Operational check satisfactory.
2. Complied with Piper SB# 1166. Removed and replaced stall heat module P/N 102227-002 with P/N 10227-007. Operational check satisfactory.
3. Removed autopilot computer P/N 01298-02-01-009 S/N 0635-478 and installed warranty exchange unit S/N 0546-437. Operational check satisfactory.

- END -

Maintenance Release

The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# A-07-1680 Date: 02/02/2007

Signed:

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # SO5R204N

Airframe

Columbia Air Services, Inc.

Page 1 of 1

LOG BOOK ENTRY

A/C REG: **N1066D**

A/C S/N: 4697286

DATE: 03/22/07	A/C TOTAL TIME: 48.2	HOUR METER: 48.2
W/O NO: MWO-07-2028	ENGINE TOTAL TIME 48.2	S.M.O.H.

1. Complied with **Piper SA 46-17A**, Heated windshield circuit connector replacement. Removed existing CB373A12 and D15A12 wires in windshield heat power circuit breaker and replaced with improved wires, P/N: 103493-002 (J3 connector, position 'D') and 104943-004 (P3 connector, position 'D'). Inserted wires into new module, P/N: 475-261 (Qty 1) and module connector, P/N: 475-262 (Qty 2). Performed heated windshield test in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 30-40-00, operational check satisfactory. No further action required.
2. Removed, charged and performed capacity check of aircraft's lead acid battery, P/N: RG-41, S/N: 40159980. Battery passed capacity check. Charged and reinstalled battery. Work performed in accordance with Concorde Manual Drawing 5-0142 Rev. H dated June 12, 2003.
3. Performed ground run, operational check satisfactory.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, 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 FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-07-2028

DATE: 03/22/07

SIGNED:

Halliburton H. S.

FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

Columbia Air Services, Inc.

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LOG BOOK ENTRY

A/C REG: **N1066D/N626AR**

A/C S/N: 4697286

DATE: 06/22/07	A/C TOTAL TIME: 76.8	HOUR METER: 76.8
W/O NO: MWO-07-2144	ENGINE TOTAL TIME 76.8	S.M.O.H.

1. Removed present registration number, **N1066D** from exterior of aircraft and affixed special registration number, **N626AR** per AC Form 8050-64, Assignment of Special Registration Numbers, dated June 19, 2007. A copy of this form has been placed in the aircraft, with the present certificate of registration pending receipt of a revised certificate of registration.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, 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 FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-07-2144

DATE: 06/22/07

SIGNED:

Halliburton H. S.

FOR Columbia Air Services, Inc. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

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A/C REG: **N1066D/N626AR**

A/C S/N: 4697286

DATE: 06/22/07

A/C TOTAL TIME: 76.8

HOUR METER: 76.8

W/O NO: MWO-07-2144

ENGINE TOTAL TIME 76.8

S.M.O.H.

1. Complied with a 1st 50 hour inspection in accordance with The New Piper Aircraft, Inc. Warrantable 1st 50 Hour Inspection Report, P/N: 765-041.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 600 hour/1 year lead-acid battery (initial) capacity check special inspection. Removed, charged and performed discharge capacity check of battery, P/N: RG-41, S/N: 40159980. Battery failed capacity check. Performed conditioning procedure and performed second capacity check. Battery passed 2nd capacity check. Charged and installed battery. Work performed in accordance with Concorde Drawing 5-0142 Rev. H.
4. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
5. Complied with Piper thirty (30) day battery and battery compartment special inspection.
6. Complied with Piper thirty (30) day portable fire extinguisher special inspection.
7. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
8. Complied with Piper ninety (90) day brake reservoir special inspection. Removed and replaced brake reservoir cap o-ring with new, P/N: MS28775-115.
9. Complied with Piper six (6) month propeller lubrication special inspection.
10. **AD 2006-24-07** amend. 39-14836 dated 1/3/07, Propellers returned to service by CSE Aviation, does not apply. Installed propeller, Hartzell Model HC-E4N-3Q S/N: HH2717, is not listed in Table 1 of AD note. No action required.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

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WO NO.

MWO-07-2144

11. Piper **SB 1154B**, Engine mount inspection, was found in compliance by installation of new style engine mount, P/N: 102460-036 at time of manufacture. No further action required.
12. Complied with Piper **SB 1166**, Electronic control module failure. Removed and replaced old style electronic module, P/N: 102227-002 with new style module, P/N: 102227-007. No further action required.
13. Complied with Piper **SB 1173**, Engine oil hose assemblies. Inspected oil hose assemblies, found SB had been previously complied with by rerouting hoses. Removed lower cowl material as required. No further action required.
14. Complied with Piper **SB 1175A**, Pilot's side window inspection. Performed visual inspection of pilot's side window for cracks per Part 1, none noted at this time. **Visual inspection next due: 211.1 ACTT.**
15. Complied with Piper **SB 1183**, Inspection of emergency exit door. Removed, inspected, reworked and reinstalled emergency exit door per Part II instructions.. No further action required.
16. Complied with Piper **SL 1056**, Accessory cooling "air inlet" drain hose routing inspection. Inspected "air inlet" drain hose, found to be correctly routed. No further action required.
17. Complied with Piper **SL 1069**, Flight control cable terminal corrosion inspection. Inspected all flight control cable terminals and turnbuckles for corrosion, no corrosion noted. **Inspection next due: 176.8 ACTT.**
18. Complied with Piper **SL 1107**, Modification to eliminate "GEN INOP" annunciation. Inspected P424 connector and found Pin S (wire P5Y20) previously removed. No further action required.
19. Complied with Piper **VSP-130**, Lear/Romec Service Bulletin 101SB021, Fuel pump torquing of relief valve cover screws, does not apply. Installed fuel pump, P/N: RG34720G has an "M" suffix which is not affected by VSP. No further action required.
20. Piper **VSP-158**, Meggitt/S-TEC Service Letter 03-002, does not apply. Aircraft is Avidyne equipped. No action required.
21. Complied with Piper **VSP-172**, Distribution of Avidyne Service Alert SA-05-001. Inserted copy of Avidyne Service Alert into Pilot's Operating Handbook (P.O.H.). No further action required.
22. Piper **VSP-175**, S-TEC Service Bulletin #06-001, does not apply. Aircraft is Avidyne equipped. No action required.

-----CONTINUED-----

23. Complied with Piper VSP-182, Avidyne Service Bulletin 601-00006-067. Contacted Avidyne Customer Support to verify modification compliance on installed PFD's. Avidyne Verified compliance with modification. No further action required.

24. Evacuated, recycled and reserviced air conditioning system with R134a refrigerant in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 21-30-00. Operational and leak checks satisfactory.

25. Performed compass swing and installed compass correction card.

26. Removed and replaced numerous belly placards with new, P/N: 656-238 (Qty 3), 656-242 (Qty 2), 656-244 (Qty 1) and 656-250. (Qty 2)

27. Removed and replaced left trailing navigation light lens with new, P/N: A615. Relamped light with a new bulb, P/N: A508-28.

Operational check satisfactory.

28. Removed and replaced vacuum regulator filter with new, P/N: B3-5-1.

29. Removed and replaced inboard and outboard static wicks on right aileron with new, P/N: 456-872. (Qty 2)

30. Repositioned and trimmed aft cabin carpet to provide proper access to passenger oxygen masks.

31. Serviced oxygen system as required with Aviators Breathing Oxygen.

32. Lubricated rudder/aileron interconnect rod and phenolic blocks as required.

33. Removed and reinstalled starter/generator, P/N: 200SGL145Q S/N: 6809, after repair. Ref: Aircraft parts Corp. Service Center (Wichita, KS) W/O# MRO-07-0140.

34. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

Maintenance Release			
The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	MRO-07-2144	Date:	06/22/07
Signed:		<i>[Signature]</i>	
For Columbia Air Services, Inc. FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340			

WO NO.

MWO-07-2144

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N, Work Order # MWO-07-2144.
I certify that this Airframe has been inspected in accordance with an 1" 50 Hour Inspection per The New Piper Aircraft, Inc. Warrantable Inspection Report P/N: 765-041 and has been found airworthy for the work performed.
Date: 06/22/07, A/C Total Time: 76.8
Signature: *[Signature]*

A/C REG: _____

A/C S/N: _____

DATE: 08/28/2007

A/C TOTAL TIME:

HOUR METER: 96.0

W/O NO: A-07-1807

ENGINE TOTAL TIME

S.M.O.H.

1. Removed and reinstalled Pitch servo P/N 0108-15-P4 S/N 0637-16600 BCDEFHJK. Operational check satisfactory.

- END -

Maintenance Release			
The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	A-07-1807	Date:	08/28/2007
Signed:		<i>[Signature]</i>	
Columbia Air Services, Inc.			
Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N			

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

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A/C REG: **N626AR**A/C S/N: **4697286**DATE: **12/17/07**A/C TOTAL TIME: **135.9**HOUR METER: **135.9**W/O NO: **MWO-07-2316**ENGINE TOTAL TIME **135.9**

S.M.O.H.

1. Complied with an Annual inspection in accordance with The New Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per **Piper SB 1175A**, found to be satisfactory. **Inspection next due: 185.9 ACTT.**
4. Complied with Piper 200 hour/90 day lead-acid battery (recurring) capacity check special inspection. Removed, charged and performed discharge capacity check of battery. Battery failed capacity check. Removed and replaced battery with new, P/N: RG-41, S/N: 40213063. Charged and installed battery. Work performed in accordance with Concorde Drawing 5-0142 Rev. H. (S/N removed: 40159980).
5. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
6. Complied with 500 hour/one (1) year cabin pressurization system operation special inspection. Performed pressurization system test in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 21-30-00. Operational check satisfactory.
7. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
8. Complied with Piper thirty (30) day battery and battery compartment special inspection.
9. Complied with Piper thirty (30) day portable fire extinguisher special inspection.
10. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
11. Complied with Piper ninety (90) day brake reservoir special inspection.

-----CONTINUED-----

Registration No.

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

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WO NO.

MWO-07-2316

12. Complied with Piper 1 year pilot's oxygen mask special inspection. Serviced oxygen system with Aviators Breathing Oxygen.
13. Complied with one (1) year standby attitude indicator emergency power supply capacity check per The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory (Model 501-1682-01, S/N: 80200).
14. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory.
ELT battery replacement due: 10/31/08.
15. **Piper SB 1178**, Nose gear forging inspection/replacement, does not apply by airframe serial number. No action required.
16. **Piper SB 1181**, Flap track/splice strap inspection and modification, does not apply by airframe serial number. No action required.
17. Complied with **Piper SB 1185**, Placard replacement. Removed and replaced external power placard with new, P/N: 684-761. No further action required.
18. Complied with **Piper SL 1069**, Flight control cable terminal corrosion inspection. Inspected all flight control cable terminals and turnbuckles for corrosion, no corrosion noted. **Inspection next due: 235.9 ACTT.**
19. Resecured storm window latch pin as required.
20. Removed and replaced two (2) static wicks with new, P/N: 456-872.
21. Lubricated lower cabin door handle and latch pin linkage. Trimmed door step tread for proper operation. Operational check satisfactory.
22. Cleaned and lubricated crew seat rollers as required.
23. Removed and replaced cockpit seatback bolts with new, P/N: 691-529 (Qty 4).
24. Adjusted and safetied all flight control cable tensions in accordance with Piper Aircraft PA-46-500TP M.M. chapters 27-10-00, 27-20-00 & 27-30-00. Operational and travel checks satisfactory.
25. Evacuated, recycled and reserviced air conditioning system with R-134A refrigerant in accordance with Piper Aircraft PA-46-500TP M.M. chapter 21-50-00. Operational and leak checks satisfactory.

-----CONTINUED-----

26. Removed and replaced numerous belly placards with new, P/N: 656-242 (Qty 2), 656-244 (Qty 1), 656-250 (Qty 2) and 656-238 (Qty 3).

27. Resecured right inboard stall strip as required.

28. Removed and replaced left and right main tires with new 6.00x6 8 ply tires, P/N:070-317-0, S/N: 7035W00383 (LH) & 7035W00032 (RH). Replaced right main inner tube with new, P/N: 092-315-0.

29. Removed, disassembled, cleaned, and inspected left and right main landing gear oleo strut assemblies. Reassembled with new seals, P/N:MS28775-227 (Qty 2) & MS28775-210 (Qty 1), wipers, P/N: 187-628 (Qty 2) & 187-630 (Qty 1), back-up rings, P/N: 485-082 (Qty 2) & 485-049 (Qty 1). Serviced struts with MIL-H-5606 hydraulic fluid and nitrogen. Operational and leak checks satisfactory.

30. Removed and replaced nose gear inner strut tube with new, P/N: 83619-006. Serviced strut with MIL-H-5606 hydraulic fluid and nitrogen. Operational and leak checks satisfactory.

31. Removed and replaced left brake lining spacer with new, P/N: 068-01100.

32. Installed a washer on left main tire torque link center bolt to correct toe-out condition in accordance with Piper Aircraft PA-46-500TP M.M. chapter 32-10-00.

33. Resecured oil cooler seal as required.

34. Adjusted and safetied alternator and air conditioner compressor belt tensions as required.

35. Removed and replaced vacuum regulator filter with new, P/N: B3-5-1.

36. Performed post inspection ground run, operational and leak checks satisfactory. -----END-----

WO NO.

MWO-07-2316

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N. Work Order # MWO-07-2316
I certify that this Airframe has been inspected in accordance
with an Annual Inspection per The New Piper Aircraft, Inc.
PA-46-500TP Malibu Meridian Maintenance Manual chapter
5-20-00 and has been found airworthy for the work performed.
Date: 12/17/07 A/C Total Time: 135.9

Signature: Rollin H. Edge
Title: Chief Inspector

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-07-2316 Date: 12/17/07 Signed: Rollin H. Edge

For **Columbia Air Services, Inc.** FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

A/C REG: N626ARA/C S/N: 4697286DATE: 12/16/08A/C TOTAL TIME: 219.9HOUR METER: 219.9W/O NO: MWO-08-2548ENGINE TOTAL TIME 219.9

S.M.O.H.

1. Complied with an Annual inspection in accordance with Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per **Piper SB 1175A**, found to be satisfactory. **Inspection next due: 219.9 ACTT.**
4. Complied with Piper 400 hour/2 year fuel purge system special inspection.
5. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
6. Complied with 500 hour/two (2) year fuel strainers special inspection. Defueled aircraft and removed fuel bay access panels as required to access strainers. Inspected strainers, found to be satisfactory. Cleaned, resealed, and reinstalled fuel bay access panels. Fueled aircraft, leak check satisfactory.
7. Complied with 500 hour/one (1) year cabin pressurization system operation special inspection. Performed pressurization system test in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 21-30-00. Operational check satisfactory.
8. Complied with Piper 600 hour/1 year lead-acid battery (initial) capacity check special inspection. Removed, charged and performed discharge capacity check of battery (S/N: 40213063). Battery passed capacity check. Charged and installed battery. Work performed in accordance with Concorde Drawing 5-0142 Rev. J.
9. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
10. Complied with Piper thirty (30) day battery and battery compartment special inspection.

-----CONTINUED-----

WO NO.

MW0 08-2548

11. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
12. Complied with Piper ninety (90) day brake reservoir special inspection.
13. Complied with Piper 1 year pilot's oxygen mask special inspection. Serviced oxygen system with Aviators Breathing Oxygen.
14. Complied with one (1) year standby attitude indicator emergency power supply capacity check per The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory.
15. Performed 1000 hour/1 year acrylic window inspection per Piper Aircraft, Inc. PA46-500TP M.M. chapter 56-00-00.
16. Removed and replaced ELT battery with new, P/N: 452-0130. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement next due: 12/31/2010.**
17. **AD 2008-06-28R1** amend. 39-15468 dated 4/10/08, Avidyne PFD's, does not apply by installed unit serial numbers. No action required.
18. Complied with **Piper SB 1187**, Voltage suppressor replacement. Removed and replaced voltage suppressors with new, P/N: 88432-002. (Qty 6) No further action required.
19. Complied with **Piper SB 1190A**, Aileron quadrant inspection. Performed operational check of aileron quadrant, operational and travel checks satisfactory. No further action required.
20. Complied with **Piper SB 1192**, Stall warning heat control modification. Installed Piper Stall Warning Heat Control Modification Kit No. 88452-002. No further action required.
21. Complied with **Piper SB 1195**, COMM 1 and COMM 2 antenna and skin inspection. Removed, inspected, and reinstalled antennas, found to be satisfactory. **Inspection next due: 319.9 ACTT.**
22. Complied with **Piper SL 1069**, Flight control cable terminal corrosion inspection. Inspected all flight control cable terminals and turnbuckles for corrosion, no corrosion noted. **Inspection next due: 319.9 ACTT.**
23. Complied with **Piper SL 1104**, Flow sensor assembly, mass flow controller and ECS crossover tube assembly replacement. Removed and replaced flow sensor assembly, P/N: 1300464-12 (686-218) S/N: 220 and mass flow controller, P/N: 1300360-26 (686-223) S/N: 218, with modified units. Ref. Enviro Systems, Inc. (Seminole, OK) W/O#s W58012 & W58018. Replaced crossover tube with new, P/N: 88417-003. No further action required. (S/N removed: 470 (controller) & 220 (sensor))

-----CONTINUED-----

WO NO.

MW0 08-2548

24. Adjusted upper cabin door adjustment rod forward door pin as required.
25. Removed and replaced belly placards with new, P/N: 656-238 (Qty 3), 656-242 (Qty 2), 656-244 (Qty 1) and 656-250. (Qty 2)
26. Removed and replaced four (4) static wicks with new, P/N: 456-872. Operational check satisfactory.
27. Installed Piper Wing Fairing Fastener Change Kit No. 767-327 in accordance with Piper Drawing No. 88322 instructions.
28. Resecured main cabin stair tread as required.
29. Removed, cleaned, inspected, reinstalled and ressecured storm window latch pin assembly.
30. Removed and replaced left and right brake discs, P/N: 164-07800 (Qty 2) and linings, P/N: 066-06200 (Qty 8), with new.
31. Removed, disassembled, cleaned, and inspected left and right main landing gear oleo strut assemblies. Reassembled with new seals, P/N: 452-082 (Qty 2) and wipers, P/N: 187-628 (Qty 2). Serviced struts with MIL-H-5606 hydraulic fluid and nitrogen. Operational and leak checks satisfactory.
32. Removed and replaced right main landing gear upper torque link bushings with new, P/N: 452-857. (Qty 2)
33. Removed and replaced start control module with new, P/N: 602-535 in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 91-80-10. Operational check satisfactory.
34. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #SO5R204N, Work Order # MW0-08-2548
I certify that this Airframe has been inspected in accordance
with an Annual Inspection per Piper Aircraft, Inc. PA-46-
500TP Malibu Meridian Maintenance Manual chapter 5-20-00
and has been found airworthy for the work performed.
Date: 12/16/08 A/C Total Time: 219.9

Signature:

Keith C. Hand

Maintenance Release
The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MW0-08-2548 Date: 12/16/08 Signed:

For Columbia Air Services, Inc. FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

Airframe

N626AR

LOG BOOK ENTRY

Page 1 of 1

4697286

A/C REG:

A/C S/N:

DATE: 12/18/2008

A/C TOTAL TIME:

HOUR METER:

219.9

W/O NO: A-08-2164

ENGINE TOTAL TIME

S.M.O.H.

1. Complied with Avidyne SB# 601-0004-077 Rev. 4 and upgraded EX5000 MFD P/N 700-00030-005 S/N 20006356 to release 7. Removed and reinstalled release 7 WAAS upgraded pilots EX5000 PFD P/N 700-00006-003 S/N 20020406 and copilots EX5000 PFD P/N 700-00006-003 S/N 20002456. Performed Mag. calibration and ADU calibration. Operational check satisfactory.
2. Complied with Piper SB# 1115 and upgrade S-Tec 1500 autopilot P/N 01298-02-01-009 S/N 0546-437 to WAAS unit P/N 01304-02-01-009 S/N 0549-437. See FAA Form 337 dated 12-18-2008 for further information. Operational check satisfactory.
3. Removed #1 GNS430 P/N 011-00280-10 S/N 97136823 with GA-56 GPS antenna P/N 011-00134-00 S/N 59424427 and installed WAAS upgraded GNS-430W P/N 011-01060-40 S/N 97136823 with new GA-35 WAAS antenna P/N 013-00235-00 S/N 48749. See FAA Form 337 dated 12-18-2008 for further information. Operational check satisfactory.
4. Removed #2 GNS430 P/N 011-00280-10 S/N 97137137 with GA-56 GPS antenna P/N 011-00134-00 S/N 59424030 and installed WAAS upgraded GNS-430W P/N 011-01060-40 S/N 97137137 with new GA-35 WAAS antenna P/N 013-00235-00 S/N 48750. See FAA Form 337 dated 12-18-2008 for further information. Operational check satisfactory.
5. Complied with Garmin SB# 0730 Rev. A. Updated #1 and #2 GTX-3300's P/N 011-00455-00 S/N 84123631 and S/N 84123565 software from 4.05 to 5.01. Operational check satisfactory.

-END-

Maintenance Release

The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# A-08-2164 Date: 12/18/2008 Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

LOG BOOK ENTRY

Page 1 of 1

A/C REG:

N626AR

A/C S/N:

4697286

DATE:

12/18/2008

A/C TOTAL TIME:

HOUR METER:

219.9

W/O NO:

A-08-2164

ENGINE TOTAL TIME

S.M.O.H.

FLY AT				FLY AT			
TRUE	PILOT	CO-PILOT	STBY	TRUE	PILOT	CO-PILOT	STBY
-1000	N/A	N/A	0	14000	N/A	N/A	-40
0	N/A	N/A	-10	16000	N/A	N/A	-60
500	N/A	N/A	-5	18000	N/A	N/A	-60
1000	N/A	N/A	0	20000	N/A	N/A	-60
1500	N/A	N/A	0	22000	N/A	N/A	-100
2000	N/A	N/A	0	25000	N/A	N/A	-100
3000	N/A	N/A	-5	30000	N/A	N/A	-120
4000	N/A	N/A	-5	35000	N/A	N/A	-150
6000	N/A	N/A	-5				
8000	N/A	N/A	-15				
10000	N/A	N/A	-15				
12000	N/A	N/A	-30				

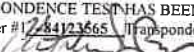
Pilots and copilots PFD's was certified by Avidyne Release 7 upgrade.

Certified to 35,000ft

MAINTENANCE RELEASE

I CERTIFY THAT THE TRANSPONDER/ALTIMETER/STATIC LEAK TESTS OF FAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH.

PFD #1 20020406 PFD#2 20002456 STBY Altimeter 174550A Transponder #1 84123565 Transponder #2 84123631

W/O# A-08-2164 DATE 12/18/2008 DUE DATE 12/2010 SIGNED: 

FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N626ARA/C S/N: 4697286

DATE: 01/15/09	A/C TOTAL TIME: 232.8	HOUR METER: 232.8
W/O NO: MWO-09-2717	ENGINE TOTAL TIME 232.8	S.M.O.H.

1. Removed and replaced mass flow valve, P/N: 1300490-11 (Piper P/N: 592-640) S/N: 167 and mass flow controller, P/N: 1300360-26 (Piper P/N: 686-223) S/N: 268, with overhauled units. Ref. Enviro Systems, Inc. (Seminole, OK) W/O#'s W62825 (valve) and W63171 (controller). Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 21-40-00 and Piper SL 1104 instructions. Operational check satisfactory. (S/N removed: 436 (valve) and 218 (controller))

-----END-----

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-09-2717 Date: 01/15/09 Signed: [Signature]For **Columbia Air Services, Inc.** FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N626ARA/C S/N: 4697286

DATE: 06/30/09	A/C TOTAL TIME: 265.6	HOUR METER: 265.6
W/O NO: MWO-09-2852	ENGINE TOTAL TIME 265.6	S.M.O.H.

1. **AD 2008-26-11** amend. 39-15777 dated 1/28/09, Stall warning heat control modification, was found in compliance by previous compliance with **Piper SB 1192** on 12/16/08 @ 219.9 ACTT. Piper Kit No. 88452-002 was installed at that time. No further action required.
2. Complied with **Piper SB 1175A**, Pilot's side window inspection. Performed a visual inspection of pilot's side window, found to be satisfactory. **Next inspection due: 315.6 ACTT.**
3. Removed and replaced left and right main tires with new 6.00x6 8 ply tires, P/N: 070-317-0 S/N: 8155W00837 (LH) & 7317W00442 (RH). Removed and replaced left and right inner tubes with new, P/N: 092-315-0. (Qty 2) Cleaned, inspected and lubricated wheel bearings. Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 32-40-00.
4. Bled air from brake system in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 32-40-00. Serviced brake reservoir with MIL-H-5606 hydraulic fluid.
5. Removed and replaced one (1) nose wheel bearing with new, P/N: 08125-20629.
6. Adjusted left and right main landing gear torque links for proper alignment.
7. Performed engine ground run, operational and leak check satisfactory.

-----END-----

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-09-2852 Date: 06/30/09 Signed: [Signature]For **Columbia Air Services, Inc.** FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

Airframe

LOG BOOK ENTRY

Page 1 of 1

4697286

A/C REG: N626AR

A/C S/N:

DATE: 07/01/2009

A/C TOTAL TIME:

HOUR METER: 232.8


W/O NO: A-09-2205

ENGINE TOTAL TIME

S.M.O.H.

1. Complied with Avidyne SB# 601-00004-087 Rev. 00. Updated EX5000 MFD P/N 700-00030-005 S/N 20006356 software from release 7.0 to release 8.0. Performed post-installation tests in accordance with Avidyne Envision EX5000 MFD installation manual P/N 600-00073 Rev. 20. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
W/O# A-09-2205 Date: 07/01/2009 Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

LOG BOOK ENTRY

Page 1 of 1

4697286

A/C REG: N626AR

A/C S/N:

DATE: 12/02/2009

A/C TOTAL TIME:

HOUR METER: 291.4

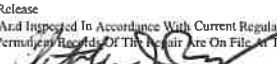
W/O NO: A-09-2424

ENGINE TOTAL TIME

S.M.O.H.

1. Installed 28VDC outlet into copilot panel in accordance with AC43.13-1B chapter 11. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
W/O# A-09-2424 Date: 12/02/2009 Signed: 

Columbia Air Services, Inc.

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 3

A/C REG: **N626AR**A/C S/N: **4697286**DATE: **12/08/09**A/C TOTAL TIME: **291.4**HOUR METER: **291.4**W/O NO: **MWO-09-3057**ENGINE TOTAL TIME **291.4**

S.M.O.H.

1. Complied with an Annual inspection in accordance with Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per **Piper SB 1175A**, found to be satisfactory. **Inspection next due: 341.4 ACTT.**
4. Complied with Piper 200 hour/90 day lead-acid battery (recurring) capacity check special inspection. Removed, charged and performed discharge capacity check of battery (S/N: 40213063). Battery passed capacity check. Charged and installed battery. Work performed in accordance with Concorde Drawing 5-0142 Rev. J.
5. Complied with Piper 300 hour oxygen cylinder system special inspection.
6. Complied with Piper 300 hour starter-generator special inspection. Removed and replaced starter-generator brushes with new, P/N: 200SGL1009.
7. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
8. Complied with Piper 500 hour/1 year cabin pressurization system operation special inspection. Performed pressurization system test in accordance with The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 21-30-00. Operational check satisfactory.
9. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
10. Complied with Piper thirty (30) day battery and battery compartment special inspection.
11. Complied with Piper thirty (30) day portable fire extinguisher special inspection.

-----END-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 3

WO NO.

MWO-09-3057

12. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
13. Complied with Piper ninety (90) day brake reservoir special inspection.
14. Complied with Piper 1 year pilot's oxygen mask special inspection.
15. Performed 100 hour inspection of LoPresti lighting system in accordance with LoPresti Speedmerchants Instructions for Continued Airworthiness, P/N: LSM-500-045 Rev. A.
16. Complied with one (1) year standby attitude indicator emergency power supply capacity check per Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory.
17. Complied with Garmin 1 year inspection of GA antenna in accordance with Garmin GA Antenna Series Instructions for Continued Airworthiness, P/N: 190-00673-01 Rev. F.
18. Complied with Garmin 1 year inspection of 400W GPS in accordance with Garmin 400W Series Instructions for Continued Airworthiness, P/N: 190-00356-65 Rev. A.
19. Performed 1000 hour/1 year acrylic window inspection per Piper Aircraft, Inc. PA46-500TP M.M. chapter 56-00-00.
20. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement t due: 12/31/2010.**
21. **AD 2009-05-05** amend. 39-15829 dated 4/3/09, Avidyne PFD's, does not apply by installed unit serial numbers (2002D406 and 2002456). No action required.
22. **Piper SB 1181B**, Flap track/splice strap inspection and modification, does not apply by airframe serial number. No action required.
23. **Piper SB 1190B**, Aileron quadrant inspection, was found in compliance by previous compliance with **SB 1190A** on 12/16/08. No further action required.
24. Complied with **Piper SB 1193**, Nose gear down spring replacement. Removed and replaced nose gear down spring with new, P/N: 687-931. No further action required.
25. Complied with **Piper SB 1202**, Beta/reverse lockout lever inspection. Inspected lockout lever components for condition and proper operation, found to be satisfactory. No further action required.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 3 of 3

WO NO.

MWO-09-3057

26. Complied with **Piper SL 1069**, Flight control cable terminal corrosion inspection. Inspected all flight control cable terminals and turnbuckles for corrosion, no corrosion noted.

Inspection next due: 391.4 ACTT.

27. Adjusted upper cabin door adjustment rod forward door pin as required.

28. Resealed leading edge wing root fairing hardware as required.

29. Defueled aircraft. Removed, cleaned, resealed and reinstalled left and right wing main spar and splices. Refueled aircraft. Leak check satisfactory. Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 28-10-00.

30. Removed and replaced right wing flap anti-chafe tape with new.

31. Serviced oxygen system as required with Aviators Breathing Oxygen.

32. Removed, disassembled, cleaned, and inspected left and right main landing gear oleo strut assemblies. Reassembled with new seals, P/N: 452-082 (Qty 2) and wipers, P/N: 187-628 (Qty 2). Serviced struts with MIL-H-5606 hydraulic fluid and nitrogen. Operational and leak checks satisfactory.

33. Removed and replaced nose tire with new 5.00x5 8 ply tire, P/N: 070-310-0 S/N: 7164W00130. Removed and replaced nose wheel half with new, P/N: 756-667. Replaced one (1) race with new, P/N: 08231-20629. Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 32-40-00.

34. Removed and replaced beta feedback carbon block with new, P/N: CA3026.

35. Performed post inspection ground run, operational and leak checks satisfactory. -----END-----

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# MWO-09-3057 Date: 12/08/09 Signed: [Signature]
For **Columbia Air Services, Inc.** FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #SO5R204N. Work Order # MWO-09-3057
I certify that this Airframe has been inspected in accordance with an Annual inspection per Piper Aircraft, Inc. PA-46-500TP Malibu Meridian Maintenance Manual chapter 5-20-00 and has been found airworthy for the work performed.
Date: 12/08/09 A/C Total Time: 291.4
Signature: [Signature]
Title: Chief Inspector

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N626ARA/C S/N: 4697286DATE: 06/11/10A/C TOTAL TIME: 322.4HOUR METER: 322.4W/O NO. MWO-10-3253ENGINE TOTAL TIME 322.4

S.M.O.H.

1. Removed and replaced cabin door snubber with new, P/N: 689-701 in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 52-10-00. Operational check satisfactory.

2. Serviced nose and main landing gear tires to proper pressure with nitrogen.

3. Performed engine ground run, operational and leak check satisfactory.

-----END-----

Maintenance Release
The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:
W/O# MWO-10-3253 Date: 06/11/10 Signed: [Signature]
For **Columbia Air Services, Inc.** FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N626AR**A/C S/N: **4697286**DATE: **07/02/10**A/C TOTAL TIME: **326.6**HOUR METER: **326.6**W/O NO: **MWO-10-3291**ENGINE TOTAL TIME **326.6**


S.M.O.H.

1. Removed and replaced main cabin door cable with new, P/N: 89630-004 in accordance with Piper Aircraft, Inc. PA46-4500TP M.M. chapter 52-10-00. Operational check satisfactory.

-----END-----

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# **MWO-10-3291** Date: **07/02/10** Signed: For **Columbia Air Services, Inc.**, FAA Certified Repair Station # S05R204N Groton-New London Airport Groton, CT 06340

Airframe

N626AR

LOG BOOK ENTRY

Page 1 of 1

4697286

A/C REG: _____

A/C S/N: _____

DATE: **07/30/2010**

A/C TOTAL TIME: _____

HOUR METER: **327.9**W/O NO: **A-10-2523**

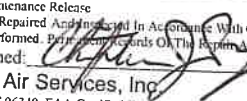
ENGINE TOTAL TIME _____

S.M.O.H. _____

1. Removed and reinstalled S-Tec repaired 1500 autopilot computer P/N 01304-02-01-009 S/N 0546-437. See S-Tec WO# R000066045 for further information. Operational check satisfactory.
2. Complied with Garmin **SB# 0918 Rev. A.** and **SB# 0848 Rev. B.** Updated #1 GNS-430W P/N 011-01060-40 S/N 97136823 main software from 3.11 to 3.30 and WAAS software from 3.1 to 3.2. Operational check satisfactory.
3. Complied with Garmin **SB# 0918 Rev. A.** and **SB# 0848 Rev. B.** Updated #2 GNS-430W P/N 011-01060-40 S/N 97137137 main software from 3.11 to 3.30 and WAAS software from 3.1 to 3.2. Operational check satisfactory.

- END -

Maintenance Release
The Aircraft Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O# **A-10-2523** Date: **07/30/2010** Signed: **Columbia Air Services, Inc.**

Groton-New London Airport Groton, CT 06340 FAA Certified Repair Station # S05R204N

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N626AR**A/C S/N: **4697286**

DATE: 08/06/10	A/C TOTAL TIME: 334.4	HOUR METER: 334.4
W/O NO: MWO-10-3346	ENGINE TOTAL TIME 334.4	S.M.O.H.

1. Removed and replaced left and right main tires with new 6.00x6 8 ply tires, P/N: 301-028-006 S/N: 00902046 (LH) and 00922108 (RH). Cleaned, inspected and lubricated wheel bearings.
2. Serviced nose strut with nitrogen to proper pressure.

-----END-----

Maintenance Release			
The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	MWO-10-3346	Date:	08/06/10
Signed:		<i>[Signature]</i>	
For Columbia Air Services, Inc. FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340			

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: **N626AR**A/C S/N: **4697286**

DATE: 08/16/10	A/C TOTAL TIME: 339.8	HOUR METER: 339.8
W/O NO: MWO-10-3359	ENGINE TOTAL TIME 339.8	S.M.O.H.

1. Removed and replaced alternator and compressor drive belts with new, P/N: 73965-023 (Qty 1) and 73965-024 (Qty 1) in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapters 21-50-00 and 24-30-00. Operational check satisfactory.
2. Performed engine ground run. Operational and leak checks satisfactory..

-----END-----

Maintenance Release			
The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:			
W/O#	MWO-10-3359	Date:	08/16/10
Signed:		<i>[Signature]</i>	
For Columbia Air Services, Inc. FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340			

Airframe
N626AR

LOG BOOK ENTRY

Page 1 of 1
4697286

A/C REG:

A/C S/N:

DATE: 12/01/2010

A/C TOTAL TIME:

HOUR METER:

357.3

W/O NO: A-10-2609

ENGINE TOTAL TIME

S.M.O.H.

TRUE	FLY AT		STBY	TRUE	FLY AT		STBY
	PILOT	CO-PILOT			PILOT	CO-PILOT	
-1000	0	0	+10	14000	-5	-5	-40
0	0	0	0	16000	-10	-5	-70
500	0	0	0	18000	-10	-5	-60
1000	0	0	+10	20000	-10	-10	-80
1500	0	0	-10	22000	-10	-10	-100
2000	0	0	0	25000	-20	-10	-120
3000	0	0	0	30000	-20	-10	-150
4000	0	0	0	35000	-20	-20	-190
6000	-5	-5	0				
8000	-5	-5	-10				
10000	-5	-5	-10				
12000	-5	-5	-40				

Altimeter Corrections

Certified to 35,000ft

MAINTENANCE RELEASE

I CERTIFY THAT THE TRANSPONDER/ALTIMETER/STATIC LEAK TESTS OF FAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH. ADAHRS #1 20020406 ADAHRS#2 20002456 STBY Altimeter 174550A Transponder #1 84123565 Transponder #2 84123631 W/O# A-10-2609 DATE 12/01/2010 DUE DATE 12/2012 SIGNED [Signature] FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R2049 GROTON, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 3

A/C REG: N626AR

A/C S/N:

4697286

DATE: 12/03/10

A/C TOTAL TIME:

357.3

HOUR METER:

357.3

W/O NO:

MWO-10-3441

ENGINE TOTAL TIME

357.3

S.M.O.H.

1. Complied with an Annual inspection in accordance with Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per Piper SB 1175B, found to be satisfactory. Inspection next due: 407.3 ACTT.
4. Complied with Piper 50 hour oleo struts special inspection.
5. Complied with Piper 200 hour/4 month lead acid battery (recurring) capacity check special inspection. Removed, charged and performed discharge capacity check of battery (P/N: RG-41 S/N: 40213063). Battery passed capacity check. Charged and installed battery. Work performed in accordance with Concorde Drawing 5-0142 Rev. J.
6. Complied with Piper 400 hour/2 year fuel purge system special inspection.
7. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
8. Complied with 500 hour/two (2) year fuel strainers special inspection. Defueled aircraft and removed fuel bay access panels as required to access strainers. Inspected strainers, found to be satisfactory. Cleaned, resealed, and reinstalled fuel bay access panels. Fueled aircraft, leak check satisfactory.
9. Complied with Piper seven (7) day oxygen cylinder special inspection.
10. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
11. Complied with Piper thirty (30) day battery and battery compartment special inspection.
12. Complied with Piper thirty (30) day portable fire extinguisher special inspection.

-----CONTINUED-----

13. Complied with Piper thirty (30) day ELT installed transmitter test (self-test) special inspection.
14. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
15. Complied with Piper ninety (90) day brake reservoir special inspection.
16. Complied with Piper one (1) year pilot's oxygen mask special inspection.
17. Complied with Piper one (1) year engine mount to fuselage attach brackets and attaching hardware special inspection.
18. Complied with Piper two (2) year compass swing and magnetometer/flux detector recalibration special inspection.
19. Performed 100 hour inspection of LoPresti lighting system in accordance with Instructions for Continued Airworthiness P/N: LSM-500-045 Rev. A Dated 9/17/08.
20. Performed 1000 hour/1 year acrylic window inspection per Piper Aircraft, Inc. PA46-500TP M.M. chapter 56-00-00.
21. Complied with one (1) year standby attitude indicator emergency power supply capacity check per The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory.
22. Complied with one (1) year inspection of Garmin G400W in accordance with Instructions for Continued Airworthiness P/N: 190-00356-65 Rev. A. Found to be satisfactory.
23. Complied with one (1) year inspection of Garmin GA Antenna in accordance with Instructions for Continued Airworthiness P/N: 190-00673-01 Rev. F. Found to be satisfactory.
24. Removed and replaced ELT battery with new, P/N: 452-0130. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement next due: 1/31/2013.**
25. **AD 2010-01-03** amend. 39-16159 dated 1/20/10, Fire Fighting Enterprises Limited fire extinguishers, does not appl. Aircraft is equipped with Right-Out Model RT-A600 fire extinguisher. No action required.
26. Complied with **Piper SB 1204**, Re-Calculation of wing structure life limit due to unique usage. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time. **Next due: 607.3 ACTT or 12/31/11.**

-----CONTINUED-----

WO NO.

MWO-10-3441

27. **Piper SB 1205**, Relocation of the Py heater ground wire termination, does not apply by airframe serial number. No action required.
28. Complied with **Piper SB 1208**, Lightning diverter inspection. Inspected lightning diverters on dorsal fin fairing, found to be satisfactory. No further action required.
29. Complied with **Piper SB 1218**, Rudder skin inspection. Inspected rudder skin for proper gap at rivet locations, found to be satisfactory. No further action required.
30. Complied with **Piper SL 1069**, Flight control cable terminal corrosion inspection. Inspected all flight control cable terminals and turnbuckles for corrosion, no corrosion noted. **Inspection next due: 319.9 ACTT.**
31. Complied with **Piper SL 1131**, Aileron sector bearing lubrication. Cleaned and lubricated left and right aileron sector needle bearings and bearings per SL instructions. **Next due: 457.3 ACTT or 12/31/11.**
32. Complied with **Piper SL 1135**, Control cable/pulley inspection. Inspected all flight control cables and pulleys, found to be satisfactory. **Next due: 457.3 ACTT.**
33. Resecured storm window latch pin as required.
34. Resecured rear seat back spring and lubricated seat latches as required.
35. Removed and replaced left and right brake discs, P/N: 164-07800 (Qty 2), linings, P/N: 066-06200 (Qty 8) and one (1) shim, P/N: 068-01100, with new.
36. Removed, disassembled, cleaned, inspected, reassembled and reinstalled left brake caliper using new o-rings. Bled air from system. Leak check satisfactory.
37. Performed post inspection ground run, operational and leak checks satisfactory. -----END-----

WO NO.

MWO-10-3441

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #SOSR204N. Work Order # MWO-10-3441
I certify that this Airframe has been inspected in accordance with an Annual Inspection per Piper Aircraft, Inc. PA-46-500TP Malibu Meridian Maintenance Manual Event 1 & 2 checklists chapter 5-20-60 and has been found airworthy for the work performed.

Date: 12/03/10 A/C Total Time: 357.3

Signature: *[Signature]*
Title: Chief Inspector

Maintenance Release
The Aircraft, Airframe, 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 For The Work Performed. Permanent Record Of The Repair Are On File At This Repair Station Under:

W O# MWO-10-3441 Date: 12/03/10 Signed: *[Signature]*

For Columbia Air Services, Inc. FAA Certified Repair Station #SOSR204N Groton-New London Airport Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1


A/C REG: N626ARA/C S/N: 4697286DATE: 03/03/11A/C TOTAL TIME: 363.5HOUR METER: 363.5W/O NO: MWO-11-3524ENGINE TOTAL TIME 363.5

S.M.O.H.

1. Removed and replaced propeller heat module with new, P/N: 102227-006. Operational check satisfactory. Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 91-30-60.
 2. Serviced nose and main landing gear tires with nitrogen to proper pressure.
 3. Performed engine ground run. Operational and leak checks satisfactory.
- END-----

Maintenance Release

The Aircraft, Airframe, 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 For The Work Performed. Permanent Records Of The Repair Are On File At This Repair Station Under:

W/O: MWO-11-3524 Date: 03/03/11 Signed: For **Columbia Air Services, Inc.** FAA Certified Repair Station # SO5R204N Groton-New London Airport Groton, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 4

A/C REG: N626ARA/C S/N: 4697286DATE: 12/21/11A/C TOTAL TIME: 410.4HOUR METER: 410.4W/O NO: MWO-11-3786ENGINE TOTAL TIME 410.4

S.M.O.H.

1. Complied with an Annual inspection in accordance with Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00. Researched AD's through Bi-Weekly 2011-25.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per Piper SB 1175B, found to be satisfactory. Inspection next due: 460.4 ACTT.
4. Complied with Piper 50 hour oleo struts special inspection.
5. Complied with Piper 200 hour/4 month lead acid battery (recurring) capacity check special inspection. Removed, charged and performed discharge capacity check of battery (P/N: RG-41 S/N: 40213063). Battery passed capacity check. Charged and installed battery..
6. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
7. Complied with Piper seven (7) day oxygen cylinder special inspection.
8. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
9. Complied with Piper thirty (30) day battery and battery compartment special inspection.
10. Complied with Piper thirty (30) day portable fire extinguisher special inspection.
11. Complied with Piper thirty (30) day ELT installed transmitter test (self-test) special inspection.
12. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.
13. Complied with Piper ninety (90) day brake reservoir special inspection.
14. Complied with Piper one (1) year pilot's oxygen mask special inspection.

-----CONTINUED-----

WO NO.

MWO-11-3786

15. Complied with Piper one (1) year airborne 1H37 series check valves special inspection.
16. Complied with Piper one (1) year engine mount to fuselage attach brackets and attaching hardware special inspection.
17. Complied with Piper five (5) year oxygen cylinder hydrostatic retest, regulator overhaul and fill valve replacement special inspection. Removed and reinstalled oxygen cylinder, P/N: 800112-24 S/N: ST79297, after regulator overhaul, fill valve replacement and hydrostatic retest. Ref. Shoreline Marine USA, Inc dba Safetech USA (Atlanta, GA) W/O# MRO-11-0191. Serviced oxygen system with Aviators Breathing Oxygen. Operational and leak check satisfactory. **Hydrostatic retest next due: 12/2016.**
18. Complied with Piper five (5) year attach fittings and push rods special inspection.
19. Complied with one (1) year inspection of Garmin G400W in accordance with Instructions for Continued Airworthiness P/N: 190-00356-65 Rev. A. Found to be satisfactory.
20. Complied with one (1) year inspection of Garmin GA Antenna in accordance with Instructions for Continued Airworthiness P/N: 190-00673-01 Rev. F. Found to be satisfactory.
21. Complied with one (1) year standby attitude indicator emergency power supply capacity check per The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory. (S/N: 80200)
22. Performed 1000 hour/1 year acrylic window inspection per Piper Aircraft, Inc. PA46-500TP M.M. chapter 56-00-00.
23. Performed 100 hour inspection of LoPresti lighting system in accordance with Instructions for Continued Airworthiness P/N: LSM-500-045 Rev. A Dated 9/17/08.
24. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement due: 1/31/2013.**
25. **Piper SB 1173B**, Engine oil assembly and wiring harness re-routing, was found in compliance by previous compliance with **Piper SB 1173A** on 6/22/07. No further action required.
26. Complied with **Piper SB 1204**, Re-Calculation of wing structure life limit due to unique usage. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time. **Next due: 660.4 ACTT or 12/31/12.**

-----CONTINUED-----

WO NO.

MWO-11-3786

27. **Piper SB 1229**, Distribution of Avox Systems SB 36758-35-01, does not apply by airframe serial number. No action required.
28. Complied with **Piper SB 1230**, Nose wheel grommet inspection. Removed and replaced nose wheel grommet with new, P/N: 463-526. No further action required.
29. **Piper SB 1232**, Cabin door handle placard inspection, does not apply by airframe serial number. No action required.
30. Complied with **Piper SB 1234**, Engine oil cooler control valve. Removed and replaced oil cooler control valve with new, P/N: 592-712 S/N: 387. Leak check satisfactory. No further action required. (S/N removed: C0694578C)
31. Complied with **Piper SB 1236**, Landing gear servicing and placard replacement. Removed and replaced nose and main landing gear placards with new, P/N: 684-945 (Qty 2), 684-947 (Qty 1). Serviced struts with nitrogen. Updated POH. No further action required.
32. **Piper SB 1237**, Static discharger replacement, does not apply. New style static wicks are not installed. No further action required.
33. Complied with **Piper SB 1243A**, Landing gear malfunction. Jacked aircraft. Inspected installed hydraulic powerpack, P/N: 1FA13059-1 (Piper P/N: 102559-2) S/N: F 1H-0404, found to be MOD B. Serviced hydraulic reservoir with MIL-H-5606 hydraulic fluid and inspected up and down ports for continuous flow of fluid and drop of powerpack fluid level, found to be satisfactory. Performed landing gear retraction system functional check in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 32-30-00, found to be satisfactory. Work performed in accordance with SB Part II, V & VI instructions. No further action required.
34. Adjusted and safetied roll servo bridle cable tension in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 22-10-00.
35. Pressurized aircraft in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 21-30-00, leak check satisfactory.
36. Removed and replaced four (4) static wicks with new, P/N: 456-872. Operational and static leak check satisfactory.
37. Removed and replaced beta feedback carbon block with new, P/N: CA3026.

-----CONTINUED-----

WO NO.

MWO-11-3786

38. Removed and replaced brake reservoir cap o-ring with new, P/N: MS28775-116.
 39. Removed and replaced left and right wing flap anti-chafe tape with new.
 40. Removed and replaced lift transducer with an overhauled unit, P/N: C-52807-2
 S/N: 1029. Ref. Safe Flight Instrument Corporation (White Plains, NY) W/O# 4318. Performed aircraft flight check, operational check satisfactory. Work performed in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapter 27-30-00. (S/N removed: 1085)
 41. Performed post inspection ground run, operational and leak checks satisfactory.

-----END-----

COLUMBIA AIR SERVICES, INC.
 GROTON-NEW LONDON AIRPORT
 GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N, Work Order # MWO-11-3786
 I certify that this Airframe has been inspected in accordance
 with an Annual Inspection per Piper Aircraft, Inc. PA-46-
 500TP Meridian Maintenance Manual Event 1 & 2
 checklists chapter 5-20-00 and has been found airworthy for
 the work performed.

Date: 12/21/11 A/C Total Time: 410.4Signature: [Signature]
Title: Chief InspectorA/C REG: N626ARA/C S/N: 4697286DATE: 12/10/2012

A/C TOTAL TIME:

HOUR METER: 458.6W/O NO: A-12-3017

ENGINE TOTAL TIME

S.M.O.H.

FLY AT				FLY AT			
TRUE	PILOT	CO-PILOT	STBY	TRUE	PILOT	CO-PILOT	STBY
-1000	0	0	+10	14000	0	0	0
0	0	0	0	16000	0	0	0
500	0	0	0	18000	0	0	-20
1000	0	0	+10	20000	0	0	-40
1500	0	0	-10	22000	-10	0	-60
2000	0	0	0	25000	-20	0	-80
3000	0	0	0	30000	-20	0	-100
4000	0	0	0	35000	-30	0	-160
6000	0	0	0				
8000	0	0	0				
10000	0	0	0				
12000	0	0	0				

Altitude Corrections

Certified to 35,000ft

MAINTENANCE RELEASE

I CERTIFY THAT THE TRANSPONDER/ALTITUDE/STATIC LEAK TESTS OFFAR 91.411 AND FAR 91.413 HAVE BEEN COMPLIED WITH IN THIS AIRCRAFT. ALSO PARAGRAPH (C) APPENDIX E PART 43 CORRESPONDENCE TEST HAS BEEN COMPLIED WITH.
 ADAHRS #1 20020406 ADAHRS#2 20002456 STBY Altitude 174550A Transponder # 4423665 Transponder #2 84123631

W/O# A-12-3017 DATE 12/10/2012 DUE DATE 12/2014 SIGNED [Signature]
 FOR COLUMBIA AIR SERVICES, INC. FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

Airframe

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 4

A/C REG: N626ARA/C S/N: 4697286DATE: 12/14/12A/C TOTAL TIME: 458.6HOUR METER: 458.6W/O NO: MWO-12-4096ENGINE TOTAL TIME 458.6

S.M.O.H.

1. Complied with an Annual inspection in accordance with Piper Aircraft, Inc. PA-46-500TP Malibu Meridian M.M. Event 1 & 2 checklists, chapter 5-20-00. Researched AD's through Bi-Weekly 2012-24.
2. Complied with Piper 50 hour propeller heater special inspection.
3. Complied with Piper 50 hour pilot's side cockpit window special inspection. Performed visual inspection of pilot's side window per **Piper SB 1175B**, found to be satisfactory. **Inspection next due: 508.6 ACTT.**
4. Complied with Piper 50 hour oleo struts special inspection.
5. Complied with Piper 200 hour/4 month lead acid battery (recurring) capacity check special inspection. Removed, charged and performed discharge capacity check of battery (P/N: RG-41 S/N: 40213063). Battery passed capacity check. Charged and installed battery.
6. Complied with Piper 400 hour/6 month/1 year propeller lubrication special inspection.
7. Complied with Piper 400 hour/2 year fuel purge system special inspection.
8. Complied with Piper 500 hour/2 year fuel strainers special inspection.
9. Complied with Piper thirty (30) day standby attitude indicator emergency power supply special inspection.
10. Complied with Piper thirty (30) day battery and battery compartment special inspection.
11. Complied with Piper thirty (30) day portable fire extinguisher special inspection.
12. Complied with Piper thirty (30) day ELT installed transmitter test (self-test) special inspection.
13. Complied with Piper thirty (30) day oxygen cylinder special inspection.
14. Complied with Piper ninety (90) day hydraulic pump reservoir special inspection.

-----CONTINUED-----

Airframe Cont'd

LOG BOOK ENTRY (CONT.)

Page 2 of 4

WO NO.

MWO-12-4096

15. Complied with Piper ninety (90) day brake reservoir special inspection.
16. Complied with Piper one (1) year pilot's oxygen mask special inspection.
17. Complied with Piper one (1) year airborne 1H37 series check valves special inspection.
18. Complied with Piper one (1) year engine mount to fuselage attach brackets and attaching hardware special inspection.
19. Complied with Piper two (2) year magnetic compass swing and magnetometer/flux detector recalibration special inspection.
20. Complied with Piper 10 year Airborne 1H37 series check valve replacement special inspection. Removed and replaced check valve with an overhauled unit, P/N: 1H37-1 S/N: 2276-22. Ref. Aero Accessories, Inc. (Gibsonville, NC) W/O# 50003835. Operational check satisfactory. **Replacement next due: 10/31/22.**
21. Performed 100 hour/1 year inspection of LoPresti lighting system in accordance with Instructions for Continued Airworthiness P/N: LSM-500-045 Rev. A Dated 9/17/08.
22. Complied with one (1) year inspection of Garmin G400W in accordance with Instructions for Continued Airworthiness P/N: 190-00356-65 Rev. A. Found to be satisfactory.
23. Complied with one (1) year inspection of Garmin GA Antenna in accordance with Instructions for Continued Airworthiness P/N: 190-00673-01 Rev. F. Found to be satisfactory.
24. Complied with one (1) year standby attitude indicator emergency power supply capacity check per The New Piper Aircraft, Inc. PA-46-500TP M.M. chapter 34-20-00. Found to be satisfactory.
25. Performed 1000 hour/1 year acrylic window inspection per Piper Aircraft, Inc. PA46-500TP M.M. chapter 56-00-00.
26. Removed and replaced ELT battery with new, P/N: 452-0130. Inspected ELT in accordance with FAR 91.207d, found to be satisfactory. **ELT battery replacement next due: 11/30/2014.**
27. Complied with **Piper SB 1204**, Re-Calculation of wing structure life limit due to unique usage. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time. **Next due: 708.6 ACTT or 12/31/13.**

-----CONTINUED-----

28. **Piper SB 1243C**, Potential landing gear malfunction, was found in compliance by previous compliance with **Piper SB 1243A** on 12/21/11. No further action required.
29. **Piper SB 1247**, Garmin SafeTaxi limitation, does not apply by airframe serial number. No action required.
30. Complied with **Piper SL 1069**, Flight control cable terminal corrosion. Inspected terminals for corrosion, found to be satisfactory. **Inspection next due: 558.6 ACTT.**
31. Complied with **Piper SL 1155**, Ground idle adjustment. Adjusted ground idle targeting per SL instructions. No further action required.
32. Cleaned and polished landing light and taxi light lenses as required.
33. Removed and replaced pilot and co-pilot seat back bolts with new, P/N: 691-529. (Qty 2)
34. Repositioned clamp on co-pilot seat track cable for proper operation.
35. Serviced oxygen system as required with Aviators Breathing Oxygen.
36. Repaired nose gear squat switch wiring as required. Operational check satisfactory.
37. Removed and replaced elevator static wick, P/N: 456-904 and base, P/N: 452-124, with new. Operational and static leak checks satisfactory.
38. Removed and replaced several exterior placards with new, P/N: 656-238 (Qty 2), 656-242 (Qty 2), 656-244 (Qty 1) and 656-250 (Qty 1).
39. Bled air from brake system as required. Serviced brake reservoir with MIL-H-5606 hydraulic fluid.
40. Removed and replaced left brake insulators with new, P/N: 088-00100. (Qty 2)
41. Removed and replaced left and right brake shims with new, P/N: 068-01100. (Qty 2)
42. Removed and replaced left scissor link Adel clamp with new, P/N: MS21919WDG6.
43. Retensioned air conditioning compressor and stand by alternator belts in accordance with Piper Aircraft, Inc. PA46-500TP M.M. chapters 21-50-00 and 24-30-00. Operational check satisfactory.
44. Defueled right wing. Torqued and safetied transfer tube worm clamps as required. Refueled right wing, leak check satisfactory.

-----CONTINUED-----

WO NO.

MWO-12-4096

45. Performed post inspection ground run, operational and leak checks satisfactory.
- END-----

WO NO.

MWO-12-4096

COLUMBIA AIR SERVICES, INC.
GROTON-NEW LONDON AIRPORT
GROTON, CONNECTICUT 06340

FAA Repair Station #S05R204N, Work Order # MWO-12-4096
I certify that this Airframe has been inspected in accordance
with an Annual inspection per Piper Aircraft, Inc. PA-46-
560TP Malibu Meridian Maintenance Manual Event 1 & 2
checklists chapter 5-20-00 and has been found airworthy for
the work performed.

Date: 12/14/12 A/C Total Time: 458.6Signature: [Signature]

Hill Aircraft & Leasing Corp
 3948 Aviation Circle
 Atlanta, Georgia 30336
 Phone: 404-691-3330/ Fax: 678-539-6283
 FAA Repair Station ESER686D



Date: 4/05/2013; Aircraft: N277WT; Type: PIPER PA46-500TP; S/N: 4697286; Hobbs:; Total Time:;
 Engine - Type: , S/N:; Time:; Prop - Type: , S/N:
 Shop Order #: MAI-13-01585

Discrepancy: 1
 Changed aircraft registration number from N626AR to N277WT per FAA AC Form 8050-64, Dated
 March 12, 2013.

Discrepancy: 999
 999*****
 THE 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.

SIGNED: [Signature] FOR CRS# ESER686D

THE 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.

SIGNED: [Signature] FOR CRS# ESER686D

Total To
 Carry Forward

Maintenance

Total Time:;

64, Dated

Registration No. _____

and Remarks /

Signature

Certificate No.

EPPS
Aviation

AIRCRAFT REG: N277WT

DATE: 04/01/2014

MFG: PIPER

Work Package #: A7166

MODEL: PA46-500TP

SERIAL: 4697286

HOBBS / TACH: 1625

TOTAL TIME •

DESCRIPTION OF WORK COMPLETED:

Removed, replaced and tested the repaired PS-834A EPS P/N: 501-1682-01 S/N ON: 1586 S/N OFF: 80200.
 All work was performed IAW L3 Communications PS-834A & PS-834B CMM CH 24-30-06.

Complied with CFR 91.207(d) ELT Inspection of Artex ELT 110-4 P/N: 452-0150 S/N: 73121 Battery Pack P/N:
 452-0130 S/N: 356786-56 Expiration: 11/2014. No fault found.

The aircraft, airframe, 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. Pertinent details of
 the repair are on file at this repair station under work package no. A7166

Signed

John C Jones

For Epps Air Service, Inc. FAA CRS # ESMR688D,
 1 Aviation Way, Atlanta, GA 30341

AIRCRAFT LOG



AIRCRAFT REG: N277WT

DATE: 4/16/14

MFG: Piper

WORK PACKAGE: P4801

MODEL: PA-46-500TP

TACH TIME: na

SERIAL: 4697286

TOTAL TIME: 625.0

HOURLY METER: 625.0

TOTAL CYCLES/LANDINGS:

Performed Annual Inspection and 100 hour service in accordance with in FAR43 Appendix D inspection guidelines. and PA-46-500TP Checked list as a guide Removed interior and exterior panels for inspection. Jacked aircraft. Lubricated all flight controls, flap tracks and door hinges. All flight control cable tensions were found to be within tolerances specified in Piper maintenance manual. Replaced fuel system filter with new p/n: 3059779-01. Pressurized fuel system and leak check: Good. Installed new brake linings on both calipers. Both brake disc measured within limits specified in Cleveland maintenance manual. Replaced both main landing gear tires with new tires s/n: 40402141 (left), s/n: 40412381 (right). Adjusted main landing gear alignment and nose gear steering. Adjusted both main gear actuator rod ends so that the lower edge of the main wheel tire is .00" to .38" above a straightedge laid fore and aft across the wheel well fairing when actuator is fully retracted. Cycled landing gear through several fault free cycles while confirming flap/landing gear warning system passed operational check. Performed Emergency Landing gear extension. Serviced all landing gear tires with Nitrogen. Serviced landing gear power pack and brake system reservoir with 5606 hydraulic fluid. Serviced Pilots Fixed Oxygen Bottle with Aviators Breathing Oxygen. Re-installed interior and exterior panels. Performed post inspection ground run. Operational and leak checks: Good. Installed new Prop Heat/Timer module p/n: 691-234 s/n: 005154. Operational check: Good. Referenced the Piper maintenance manual 30-60-00. Installed new Aircraft Main Battery P/N 601-910 s/n: 40611541. Installed new oil temp. probe p/n: MS28034-1 s/n: 207262 Removed DAU s/n: 0631-007 and sent out for repair. Re-installed Repaired DAU s/n: 0631-007. Found a suspected leak point in the out board aft lower corner of R/H in board fuel tank. Drained fuel from right wing. Removed access panel and resealed lower outboard edge and corner of right hand tank. Allowed sealant to cure. Installed access panel and torqued. Returned previously drained fuel back to right wing. No leaks noted. Installed New LH Wing Tip Strob Flash Tube P/N 02-0250276-02. Rechecked after

Registration No. _____



AIRCRAFT REG: N277WT

DATE: 4/16/14

No.

MFG: Piper

WORK PACKAGE: P4801

MODEL: PA-46-500TP

TACH TIME: na

SERIAL: 4697286

TOTAL TIME: 625.0

HOURLY METER: 625.0

TOTAL CYCLES/LANDINGS:

installation normal operation noted. Referenced the Piper PA-46-500TP maintenance manual 33-4. Installed New Gear Hyd Power Pack Pressure Switch O-Ring P/N MS28778-6 Removed right brake caliper. Cleaned and resealed caliper with MS28775-222 orings. Bench bleed. Installed on aircraft. Bleed right brake system. Ops check and leak check good. Ref. Piper Aircraft PA46-500TP MM Ch. 32. Rigged Rudder Aileron interconnect following instruction in AMM chapter 27-10-00. Installed new linings on left and right brake assemblies p/n 066-06200. Ref. Cleveland wheel and brake MM. Removed damaged prop harness then installed new P/N 153-162 then rechecked operation, normal operation noted. Referenced the Piper PA-46-500TP maintenance manual 30-60-00. Installed new P/N: 73965-024 A/C compressor and P/N: 73965-023 alternator drive belts referencing Chptr. 21-50 and Chptr. 24-30 of Meridian maint. manual. Complied with AD 2013-13-01, dated July 10, 2013, per Piper Service Bulletin 1258 part I, III and IV by removing fuel vent panels from both wings, removing old "black" vent valves and installing new "orange" vent valves p/n 106927-001 in both fuel vent panels, reinstalling panels and performing function test of fuel vent valves per instructions in Meridian maintenance manual chapter 28-10-00. Left side opened at 10" and closed at 8", right valve closed at 8" and closed at 10", no further action required. Complied with 30 day check Completed Battery Compartment insp and Fire Extinguisher insp and weight Checked O2 Bottle Visual insp. Complied with 90 day checks due: Hyd Reservoir and Break Reservoir

EPPS
Aviation

AIRCRAFT REG: N277WT

DATE: 4/16/14

MFG: Piper

WORK PACKAGE: P4801

MODEL: PA-46-500TP

TACH TIME: na

SERIAL: 4697286

TOTAL TIME: 625.0

HOUR METER: 625.0

TOTAL CYCLES/LANDINGS

EPPS
Aviation

AIRCRAFT REG: N277WT

DATE: 08/06/2015

MFG: PIPER

Work Package #: A8120

MODEL: PA46-500TP

SERIAL: 4697286

HOBBS / TACH: 735.6

TOTAL TIME:

DESCRIPTION OF WORK COMPLETED:

Removed Avidyne EX 5000 MFD P/N 700-00030-005 S/N 20006356. Installed Repaired Avidyne EX 5000 MFD P/N 700-00030-005 S/N 20016376. Operational Check Good IAW Avidyne EX 5000 MFD Installation Manual 600-00073 Rev. 24

De-fueled aircraft referencing the Piper maintenance manual 12-10-00. Performed Fuel Quantity Indication Calibration referencing Piper maintenance manual 28-40-00.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A8120

Signed

Tim Jones

For Epps Air Service, Inc. FAA CRS # ESMR688D,
1 Aviation Way, Atlanta, GA 30341

Registration No. _____

on

EPPS
Aviation

AIRCRAFT REG: N277WT

DATE: 5/16/16

MFG: Piper

WORK PACKAGE: P5821

MODEL: PA46-500TP

TACH TIME: N/A

SERIAL: 4697286

TOTAL TIME: 816.8

HOUR METER: 816.8

TOTAL CYCLES/LANDINGS: Unknown

AD 2015-13-09 Cabin Pressure Control System dated July 13, 2015, NA by aircraft serial number, no further action required

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no.

P5821

Signed:

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Michael W. Beale

AIRCRAFT LOG



Aircraft Reg: N277WT
 Manufacturer: Piper
 Model: PA46-500TP
 Serial Number: 4697286

Date: 05/09/2016
 Hobbs/Tach: 816.8
 WO #: A8676

DESCRIPTION OF WORK COMPLETED:

Tested To: 30,000 ft.

I certify that the altimeter, air data, and static system tests required by CFR 91.411 and CFR 43 Appendix E have been completed on the following:

Altimeters:

LH Alt Make:

LH Alt Model:

LH Alt Serial No:

RH Alt Make:

RH Alt Model:

RH Alt Serial No:

Stby Alt Make: Aerosonic

Stby Alt Model: 16450-1147

Stby Alt Serial No: 174550A

Alt Enc Make:

Alt Enc Model:

Alt Rpt Serial No:

ADC 1 Make: Avidyne

ADC 1 Model: EXP5000

ADC 1 Serial No: 20020406

ADC 2 Make: Avidyne

ADC 2 Model: EXP5000

ADC 2 Serial No: 20002456

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A8676

Signed

Jason Burt

For Epps Air Service, Inc. FAA CRS # ESMR688D,
 1 Aviation Way, Atlanta, GA 30341

To

Carry Forward

Registration No. _____



Aircraft Reg: N277WT
 Manufacturer: Piper
 Model: PA46-500TP
 Serial Number: 4697286
 Hobbs/Tach: 816.8

Date Tested: 05/09/2016

WO Number: A8676

DESCRIPTION OF WORK COMPLETED

I certify that the ATC Transponder(s) listed below have been tested and found to comply with CFR 91.413 and CFR 43 Appendix F.

Transponder #1 Make: Garmin

Model: GTX 330

Serial No: 84123565

Transponder #2 Make: Garmin

Model: GTX 330

Serial No: 84123631

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A8676

Signed

Jason Burt

For Epps Air Service, Inc. FAA CRS # ESMR688D,
 1 Aviation Way, Atlanta, GA 30341

AIRCRAFT LOG



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOBBS / TACH: 816.8
DATE: 05/17/2016
Work Package #: A8676
TOTAL TIME: 816.8

DESCRIPTION OF WORK COMPLETED:

Removed Artex ELT 110-4 Battery Pack, p/n 452-0130 s/n 356786-56, and installed new battery pack, s/n 367274-012, referencing Artex ELT 110/100 series Installation Instructions, Doc. No. 571-0130. Battery Expires September 2018.

Complied with 14 CFR 91.207 on Artex ELT, p/n 110-4 s/n 73124 with no faults detected. Battery Expiry Date: Sept. 2018.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A8676

Signed _____ Tim Jones

For Epps Air Service, Inc. FAA CRS # ESMR688D,
1 Aviation Way, Atlanta, GA 30341

To: _____
Carry Forward

Page 1 of 1



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOUR METER: 873.7
DATE: 22-Nov-2016
WORK PACKAGE: P6073
TACH TIME: N/A
TOTAL TIME: Unknown
TOT CYCLES/LANDINGS: N/A

Installed new lower cabin door cables p/n: 89630-004 & 89630-005.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P6073.

Signed _____ JOE JORDAN
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOUR METER: 923.0
DATE: 30-Mar-2017
WORK PACKAGE: P6259
TACH TIME: N/A
TOTAL TIME: 923.0
TOT CYCLES/LANDINGS: N/A

Removed prop heat control module SN; 005154 and installed new prop heat control module P/N; 102227-006, SN; 005265. Ground ran aircraft and operational check is satisfactory at this time.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P6259.

Signed _____ JOE JORDAN
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

AIRCRAFT LOG



AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP
SERIAL: 4697286

HOUR METER:

DATE: 02-Oct-2017

WORK PACKAGE: A9612

TACH TIME:

TOTAL TIME: 960.9

TOT CYCLES/LANDINGS:

Complied with 14 CFR 91.207(d) on Artex ELT 110-4 P/N: 453-0150 S/N: 73124. Battery expires 09/2018. No faults found at this time.

Complied with 12 month capacity check on L3 PS-834A EPS P/N: 501-1682-01 S/N: 1586 IAW L3 SL-120 Rev F (Nov 30, 2009). No faults found at this time.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **A9612**.

Signed: 

CHRISTOPHER LUDWIG

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

To:
Carry Forward



AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP
SERIAL: 4697286

HOUR METER: 960.9

DATE: 02-Oct-2017

WORK PACKAGE: P6459

TACH TIME: N/A

TOTAL TIME: 960.9

TOT CYCLES/LANDINGS: N/A

Performed Annual/100 hour inspection and service on this Aircraft. Complied with Piper 30 day, 90 day, 50 and 100 hour checks. Inspected fuel system gascolator bowl and screen then re-installed with new orings. No findings in fuel system noted at this time. Pressurized fuel system. Fuel system leak check; Good. Installed new vacuum regulator filter p/n: B3-5-1. Removed right main gear actuator P/N: 102551-003 S/N: FAH0849 and installed new actuator P/N: 106877-002 S/N: FAH2670. Replaced all 4 main gear actuator hoses p/n: 565-905. Installed new right wing outboard de-ice boot p/n: 690-927. Installed new P/N: 164-07800 brake discs on to both wheels and also installed new P/N: 066-06200 brake linings onto both brake calipers. Installed new right main tire p/n: 301-028-006 s/n: 61002061 with new tube. Replaced nose wheel bearings p/n: 08125 and cups p/n: 757-831. Removed flap position indicator (P/N: 602-270) (S/N: H06-10464) and replaced with new indicator (S/N: H20364). Replaced forward left and aft right cowl latch p/n: 601-701. Removed RG-41 battery, S/N: 40611541 and performed capacity check. Battery capacity check is good having obtained a value of 92% capacity. Installed new P/N: 73965-023 alternator drive belt. Removed alternator S/N: G-100794 and installed overhauled alternator P/N: 602-300 (ES-4019-1), S/N: H-R020402. Complied with Piper SB 1256 Nose Landing Gear Torque Link Hardware Replacement dated January 23, 2013 by completing Instructions 1-7. Complied with Piper SB 1280A H3R Fire Extinguisher Replacement dated April 29, 2016 by accomplishing Instructions: 1-7 and installing new fire extinguisher kit p/n: 88572-001. Performed post maintenance ground performance run on the aircraft. Operational and leak checks are satisfactory at this time. I certify that this aircraft has been inspected in accordance with an annual inspection per guide line checklist in FAR 43 Appendix D, found to be in airworthy condition and is approved for return to service.

Page 1 of 2

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **P6459**.

Signed: 

JOE JORDAN

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 2 of 2



AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOUR METER: 975.8

DATE: 17-Nov-2017

WORK PACKAGE: P6593

TACH TIME: N/A

TOTAL TIME: 975.8

TOT CYCLES/LANDINGS: N/A

Gained access to and removed Left side A/C evaporator blower motor P/N: 1133210-2 S/N: 120. Part weighed 2.3 pounds at time of removal. Sent out for overhaul. Pulled and Collared Circuit Breakers for Cabin Fan and A/C Power Then placed "INOP" placards at corresponding switches. Performed temporary weight and balance then placed a copy inside the P.O.H.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **P6593**.

Signed: 

JOE JORDAN

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

Total To
Carry Forward



AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOUR METER: 994.0

DATE: 29-Jan-2018

WORK PACKAGE: P6593

TACH TIME: N/A

TOTAL TIME: 994.0

TOT CYCLES/LANDINGS: N/A

Removed and sent out for repair then re-installed left evaporator motor s/n: 120. Serviced aircraft cooling system with 2.5 pounds of r134a refrigerant. Installed new High and Low Vent Fan Control Modules p/n: PS50203-1. Operational checks are satisfactory at this time. Removed the Mass Air Flow Control Valve p/n: 1300490-11 s/n: 167 and installed Overhauled / Modified Mass Air Flow Control Valve p/n: 1300490-21 s/n: 509. Flight test performed and confirmed normal operation of pressurization system up to max differential. Installed new left wing tail nav light p/n: A508-28. Serviced nose strut and all tires with dry nitrogen.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **P6593**.


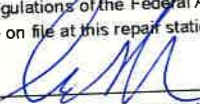
Signed: 

JOE JORDAN



for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

AIRCRAFT LOG

Date	Aircraft Time	Recorder
	AIRCRAFT REG: N277WT MFG: PIPER MODEL: PA46-500TP SERIAL: 4697286 HOOR METER: 1029.0	DATE: 31-Jul-2018 WORK PACKAGE: P6882 TACH TIME: TOTAL TIME: CYCLES/LANDINGS:
	Removed LH main tire P/N: 606C86-6 S/N: 40402141 and installed new 600x 6 8 ply Michelin air tire P/N: 070-317-0 S/N: 7175S00018. Removed RH main tire P/N: 606C86-8 S/N: 61002061 and installed new 600 x6 8 ply Michelin Air tire P/N: 070-317-0 S/N: 7175S00033. Removed nose tire P/N: 070-310-0 S/N: 2222S00259 and installed new 500 x 5 8 ply Michelin air tire P/N: 070310-0 S/N: 5113S00118. Cleaned, inspected and repacked all wheel bearings. No discrepancies found at this time. Performed all services referencing Piper PA46-500TP Maintenance Manual CH 32-40. Used torque wrench ID: MX-DB003. Used tire pressure gauge ID: MX-DB004.	
	The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P6882 .	
	Signed:  STEVE TAYLOR for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341	
	Page 1 of 1	

Registration No. _____

Date	Aircraft Time	Recorder
	AIRCRAFT REG: N277WT MFG: PIPER MODEL: PA46-500TP SERIAL: 4697286 TACH TIME:	DATE: 01-Aug-2018 WORK PACKAGE: A10278 TOTAL TIME: 1029.0 AC HOURS:
	DESCRIPTION OF WORK COMPLETED: Removed ACR Electronics ELT 110-4 Battery Pack P/N: 452-0130 S/N: 367274-012. Installed New ACR Electronics ELT 110-4 Battery Pack P/N: 452-0130 S/N: 377434-022. New battery pack expires 02/2021. Removed ELT Remote Switch P/N: 345-6196. Installed New ELT Remote Switch P/N: 345-6196-04. Rewired Light wiring on P401 and P301 to use Pin 5 on Bulkhead Feedthrough. Removed Bulkhead Feedthrough P/N: 206458-1 and confirmed connector is shorted. Installed new Bulkhead Feedthrough P/N: 206458-1. Operational check of ELT good IAW Piper Meridian AMM P/N: 767-005 Task 25-60. Applied sealant on feedthrough connector. Pressurization System Test good IAW Piper Meridian AMM P/N: 767-005 Task 21-30. Wiring and connector maintenance performed IAW AC 43.13-1B Chapter 11.	
	The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A10278 .	
	Signed:  CHRISTOPHER LUDWIG for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341	
	Page 1 of 1	

AIRCRAFT LOG

Aircraft Time

Recorder

EPPS
Aviation 

AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOOR METER: 1035.8

DATE: 19-Oct-2018

WORK PACKAGE: P7007

TACH TIME:

TOTAL TIME:

CYCLES/LANDINGS:

Removed Flow Control Valve Assy P/N 1300490-21 S/N 509 and Replaced with Overhauled Flow Control Valve Assembly P/N 1300490-11 S/N 167 Referencing Piper Maintenance Manual for PA-46-500 Meridian. Evacuated Freon from A/c system found system to be 1 pound low on freon, Vacuum and Re serviced AC using R-134.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **P7007**.

Signed:

STEVE TAYLOR

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Tot
Car

Page 1 of 1

Registration No. _____

No.

EPPS
Aviation 

AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOOR METER: 1038.6

DATE: 26-Nov-2018

WORK PACKAGE: A10435

TACH TIME:

TOTAL TIME:

CYCLES/LANDINGS:

Removed Pilots Avidyne PFD P/N: 700-00006-003 S/N: 20020406. Installed repaired Pilots Avidyne PFD P/N: 700-00006-003 S/N: 20020406. Performed operational checkout and magnetometer calibration IAW Avidyne Installation Manual 600-00141-010 REV 5. Performed Ptot/Static system leak check IAW PA-46-500TP AMM Task 34-10-00. Operation checks good, no faults found at this time.

Removed Copilot Avidyne PFD P/N: 700-00006-003 S/N: 20002456. Installed Repaired Copilot Avidyne PFD P/N: 700-00006-003 S/N: 20002456. Performed operational checkout and magnetometer calibration IAW Avidyne Installation Manual 600-00141-010 REV 5. Performed Ptot/Static system leak check IAW PA-46-500TP AMM Task 34-10-00. Operation checks good, no faults found at this time.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **A10435**.

Signed:

RYAN SOPER

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

AIRCRAFT LOG



Aircraft Time

Recorder

AIRCRAFT REG: N277WT
MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOOR METER: 1044.5

DATE: 14-Mar-2019

WORK PACKAGE: P7162

TACH TIME: N/A

TOTAL TIME: N/A

CYCLES/LANDINGS: N/A

Pressurized aircraft on ground and checked for air leaks. Re-sealed upper portions of fuselage ribs on inside of aircraft using sealant P/N: CS3204A2 and let cure. Removed passenger/crew door seal and removed all residual sealant and cleaned sealing surface. Installed new door seal P/N: 88440-002 and let cure for 24 hours. Pressurized and found no leaks. Removed LH pitot heat module P/N 691-232 S/N 0632. Installed new LH pitot heat module P/N 691-232 S/N 0454.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P7162.

Signed:

SETH MARTIN

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Tota
Carr.

Page 1 of 1

Registration No.



AIRCRAFT REG: N277WT

MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

TACH TIME:

DATE: 11-Apr-2019

WORK PACKAGE: A10725

TOTAL TIME:

AC HOURS: 1050.0

DESCRIPTION OF WORK COMPLETED:

Removed Bendix/King KMH820 P/N:066-01175-2102 S/N:1365, installed Repaired Bendix/King KMH820 P/N:066-01175-2102 S/N: KMH820-B1636. Operational checks good IAW Bendix/King KMH 880/KTA 870 SIM 006-10609-0005 4.2.

5001

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A10725.

Signed:

Bryan Reyes

BRYAN REYES

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Page 1 of 1

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

EPPS
Aviation

AIRCRAFT REG: N277WT

MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

TACH TIME:

DESCRIPTION OF WORK COMPLETED:

DATE: 14-Nov-2019

WORK PACKAGE: A11054

TOTAL TIME: 1060.3

AC HOURS:

Certified to 30,000 ft.

I certify that the altimeter and static system tests required by 14 CFR 91.411 and 14 CFR 43 Appendix E have been completed on the applicable units listed below.
I certify that the ATC transponder has been tested and found to comply with 14 CFR 91.413 and 14 CFR 43 Appendix F on the applicable units listed below.

#1 Avidyne EX5000 Air Data Computer P/N: 700-00006-003 S/N: 20020406

#2 Avidyne EX5000 Air Data Computer P/N: 700-00006-003 S/N: 20000456

AeroSonic Standby Altimeter P/N: 16450-1147 S/N: 174550A

#1 Garmin GTX 330 Transponder P/N: 011-00455-00 S/N: 84115600

Garmin GTX 330 Transponder P/N: 011-00455-60 S/N: 84123565

Garmin GTX 330 Transponder P/N: 011-00455-60 S/N: 84123631

Complied with 14 CFR 91.207 on Artex ELT 110-4 P/N: 453-0150 S/N: 73124. Battery expires 02/2021.
No faults found at this time.

Registration No. _____

and Remarks	Signature	Certificate No.
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Removed L3 PS-834A EPS P/N: 501-1682-01 S/N: 1586. Installed Overhauled PS-834A EPS P/N: 501-1682-01 S/N: 80447. Operational check of EPS good IAW Piper PA46-500TP AMM P/N: 767-005 Rev March 29, 2018. This satisfies 12 month capacity check of PS-834A EPS IAW L3 SL-120 Ref F.

Removed Honeywell KMH 820 P/N: 066-01175-2102 S/N: B1636. Installed Modified KMH 820 P/N: 066-01175-2102 S/N: B1760. Operational check of MHAS good IAW Honeywell KMH 880/KTA 870 System Installation Manual P/N: 006-10609-0005 Rev 05.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **A11054**.

Signed: 

CHRISTOPHER LUDWIG

for Epps Air Service, Inc., ESMR688D. 1 Aviation Way, Atlanta, GA 30341

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought →			

EPPS
Aviation

AIRCRAFT REG: N277WT

MFG: PIPER

MODEL: PA46-500TP

SERIAL: 4697286

HOOR METER: 1060.3

DATE: 20-Nov-2019

WORK PACKAGE: P7388

TACH TIME:

TOTAL TIME:

CYCLES/LANDINGS:

Performed Annual/100 hour inspection and service on this Aircraft. Complied with Piper 30 day, 90 day, 50 and 100 hour checks. Inspected fuel system gascolator bowl and screen then re-installed with new orings. No findings in fuel system noted at this time. Pressurized fuel system. Fuel system leak check; Good. Installed new vacuum regulator filter p/n: B3-5-1.. Performed post maintenance ground performance run on the aircraft. Operational and leak checks are satisfactory at this time. Re sealed Storm glass in frame inside and out with PRC. Removed Flow Control valve tested found motor not running p/n 1300490-11 s/n 167 Installed Modified flow control valve p/n 1300490-21 s/n 185 Ground checked good. Vacuum A/C System Serviced with R-134a. Removed LH main gear actuator s/n 0867 (frezbee) installed New LH main gear actuator p/n 89075-015 s/n 3618 (Parker) Performed service referencing PA46-500TP with Meggett/Avidyne Maintenance Manual CH 32-30. Used torque wrench ID: P-DB005. Installed new LH and RH Placard at Fuel Cap Position P/n 456-683 and 656-382 and p/n 656-239. Installed New Concord RG-41 Battery s/n 401028981. Completed 30 day Portable Fire Extinguisher Weight Checked Found within Limits Complied with 5 year O2 cylinder hydrostatic test p/n 800112-24 s/n ST79279C06110090 Complied with 5yr O2 Regulator O/H p/n 800114-12 s/n C06100283 Complied with 5 yr ship main battery replacement p/n RG-41 s/n 401028981 Complied with 50 hr check per Chapter 5 1prop heat inspection 2 oleo struts 3 pilot side window ref piper sb1175 no cracked noted at this time part of annual inspection. Replaced Vent Motor Control Module Assembly. p/n PS50203-1 Operational check of Cabin Blower good. Replaced Prop-Heat Module P/N 102227-006. Operational check of Prop Heat good. Installed New Co-pilot Up and Actuator P/n 587-404 Ops Checked

Tot
Cor

Registration No. _____

and Remarks	Signature	Certificate No.
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Good Ref Pa46-500TP MM 25-10-00 I certify that this aircraft has been inspected in accordance with an annual inspection per guide line checklist in FAR 43 Appendix D, found to be in airworthy condition and is approved for return to service.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P7388.

Signed: _____

STEVE TAYLOR

for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

INCORRECT ENTRY *missed* 4425264



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
TACH TIME:

DATE: 3/09/2022
WORK PACKAGE: A12726
TOTAL TIME: 1181.9
AC HOURS: 1181.9

DESCRIPTION OF WORK COMPLETED:

I certify that the altimeter and static system tests required by 14CFR91.411 and 14CFR43 Appendix E have been completed on the applicable units listed below (system certified to 30,000 ft.). I certify that the ATC transponder has been tested and found to comply with 14CFR91.413 and 14CFR43 Appendix F on the applicable units listed below.

UNIT	MFR	MODEL/PART#	SER#
#1 ADC	Avidyne	EX5000 700-00006-003	20020406
#2 ADC	Avidyne	EX5000 700-00006-003	20000456
STBY ALT	AeroSonic	16450-1147	174550A
#1 TXP	Garmin	GTX 330 011-00455-60	84123565
#2 TXP	Garmin	GTX 330 011-00455-60	84123631

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. **A12726**.

Signed:  **JOE SERACUSE**
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

INCORRECT ENTRY
missed 4425264



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
TACH TIME:

DATE: 3/09/2022
WORK PACKAGE: A12726
TOTAL TIME: 1181.9
AC HOURS: 1181.9

DESCRIPTION OF WORK COMPLETED:

Complied with 14 CFR 91.207 on Artex ELT 110-4 P/N: 453-0150 S/N: 73124 Battery EXP Dec/2024.

Removed Artex ETL 110-4 Battery P/N: 452-0130 rev. R S/N: 385017-036 and Installed New Artex ETL 110-4 Battery P/N: 452-0130 rev. R S/N: 393180-032. Refer to squawk 5002 for 91.207 compliance.

Removed faulty #1 Garmin GA 35 GPS antenna P/N: 013-00235-00 S/N: 48750 and Installed new Garmin GA 35 GPS antenna P/N: 013-00235-00 S/N: 212223 in the #1 position. Removed faulty #2 Garmin GA 35 GPS antenna P/N: 013-00235-00 S/N: 48749 and Installed new Garmin GA 35 GPS antenna P/N: 013-00235-00 S/N: 212227 in the #2 position. Operation checks good IAW Piper PA46-500TP AMM 34-50-00.

NOTES

Removed Honeywell KMH 820 P/N: 066-01175-2102 S/N: B1760. Installed Modified KMH 820 P/N: 066-01175-2102 S/N: 1304. Operation checks good IAW Honeywell KMH 880/KTA 870 System Installation Manual P/N: 006-10609-0005 Rev 05.

Removed ELT bulk head feed thru connectors J401/301 P/N: 206458-1 P301 P/N: 206460-1 and P401 P/N: 205838-1. Installed New ELT bulk head feed thru connectors J401/301 P/N: 206458-1 P301 P/N: 206460-1 and P401 P/N: 205838-1 IAW Piper PA46-500TP AMM 25-60-00. Operation checks good.

Removed Broken Copilot cockpit windshield sun visor P/N: 104342-002. Installed New Copilot cockpit windshield sun visor P/N: 104342-002.

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. A12726.

Signed: 
for Epps Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

NOTES



AIRCRAFT REG: N277WT
MFG: PIPER
MODEL: PA46-500TP
SERIAL: 4697286
HOUR METER: 1181.9

DATE: 03/16/2022
WORK PACKAGE: P8214
TACH TIME: N/A
TOTAL TIME: 1181.9
CYCLES/LANDINGS: Unknown

Performed Annual/100-hour inspection and service on this Aircraft. Complied with Piper 30-day, 90-day, 50- and 100-hour checks. Inspected fuel system gascolator bowl and screen then re-installed with new O-rings. No discrepancies in fuel system noted at this time. Pressurized fuel system. Fuel system leak check; Good. Installed new vacuum regulator filter p/n: B3-5-1. Removed old carbon block and installed new P/N: CA3026 carbon brush (Beta) block.
Removed worn RH main tire. Installed new RH main tire onto RH wheel assembly with a new inner tube. Leak check is satisfactory at this time.
Removed nose wheel bearings and races. Installed new nose wheel races and bearings.
Removed broken nose gear landing light lens and installed a new lens. Removed left hand taxi light lens and installed a new lens. Removed right hand taxi light lens and installed a new lens. Fit and function are satisfactory at this time.
Removed old lightning diverter strips from the empennage dorsal fairing. Installed new lightning diverter strips. Fit, function and continuity are satisfactory at this time.
De-fueled the aircraft. Removed the second most inboard wet wing fuel tank access panel. Stripped fuel tank sealant from around the affected areas inside the fuel tank. Cleaned area thoroughly and applied new fuel tank sealant. Installed a new access panel. Refueled the aircraft. Leak check is good.
Performed post maintenance ground performance run on the aircraft. Operational and leak checks are satisfactory at this time.

NOTES

The aircraft, airframe, 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. Pertinent details of the repair are on file at this repair station under work package no. P8214.

Signed:

Seth Haddix

SETH HADDIX

for Eppe Air Service, Inc., ESMR688D, 1 Aviation Way, Atlanta, GA 30341

NOTES

Removed + Replaced WORN MLG + NOSE
+ 3 TIRE TUBES. 8/9/22
TIRES LAW PIPER AIRCRAFT MAINTENANCE
MANUEL MODEL PA46-500TP Hobbs 1,211.8

Million Air,
Gulfport MS.

A+P 3544702
TRAVIS Sexton
Travis Sexton



Thoroughbred Aviation Maintenance, Inc.

Airframe

Date: 10/05/2022

AC: N277WT

Hobbs: N/A

Type: Piper PA46-500TP

AC SN: 4697286

WO: 223419

Tach: N/A

1. Performed 12M/6M/3M capacity check IAW CMM 24-30-71 & found battery P/N: RG-41, S/N: 41028981 to pass @ 95% capacity. Performed main and top charge. No discrepancies noted.

-----End-----

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under **Work Order:223419**

Date: 10/05/2022

Signed:

CRS: R81R199Y

Airframe Logbook

Date: 10/13/2022

Reg No: N277WT	Aircraft Type: PA46-500TP	Aircraft S/N: 4697286
Flight: N/A	Hobbs: 1219.3	Aircraft Total Time: 1219.3

- Removed lower fwd cabin door cable and installed new cable P/N: 89630-004. Ops checked good.
- Removed Old AC compressor P/N: S5073 S/N: 2120901080 and installed overhauled compressor P/N: SD5H09 S/N: SA5093 by Skyline Accessories W/O #: N277WT. IAW aircraft maintenance manual. System needs serviced.
- Installed new pressure switch on hydraulic power pack P/N: 767-238, serviced fluid and leak check good.
- Installed serviceable WX-500 P/N: 805-11500-001 S/N: 93616 inspected by R.C. Avionics W/O #: ANE22178-07-2022. Re-installed IAW WX-500 installation manual, ops check good.
- Adjusted nose WOW switch to within limits.
- Replaced brake reservoir cap O-ring
- Replaced LH & RH pitot heat timers P/N's: 691-419
- Installed new chafe tape under both flaps.
- Installed new nose gear steering limits placards P/N: 88582-701 and 88582-702
- Installed new upper torque link bushings in LH and RH landing gear and installed new hardware. Ops checks good. P/N 452-857 Qty 4
- Replaced multiple post light lamps on panel P/N: GE327
- Serviced compass fluid
- Installed edged seal on all leading edge boots.
- Replaced rear back seat support bracket P/N 89989-019
- Installed new upper cabin door guide pin P/N 84858-003
- Removed propellor for overhaul, performed by ASI W/O #: PRP22-05017 P/N: HC-E4N-3Q S/N: HH2717. Reinstalled prop IAW Aircraft and prop manual.**
- Serviced and leak checked O2 system, hydro static next due OCT 2024
- Bled RH brake.
- Replaced missing rivet on lower LH forward wing root skin.
- Replaced LH MLG retract actuator upper hose P/N: 187-273. Ran gear, leak check good.
- Installed new seal on oil cooler.
- Inspected flap system for operation and security.

- Cleaned and inspected MLG strut pistons no leaks observed at this timed.
- Installed new N-number placard on instrument panel.
- Replaced reading light bulb above aft seat P/N: DS0522-105
- Performed gear swing, ops checked good.
- Function checked courtesy lights.
- Opened inboard access panel and applied fuel tank sealant to stop minor leak, installed panel IAW piper manual.
- Installed new bushing on upper and lower nose gear torque links with new hardware.
- Adjusted steering beam