

Aircraft Structural Inspections LLC
FAA CRS #1NPR910B
Mountain View Ar 72560

Aircraft Make & Model Piper PA46-500TP Aircraft Registration N277WT
Date 26/APR/2024 Aircraft Hobbs Time 1517.6 Serial Number 4697286

I Certify that the Altimeter S/N: 20020406, Altimeter S/N: 20000456, & Altimeter S/N: 174550A,
Altitude Reporter, Transponder S/N: 84123565 & Transponder S/N: 84123631 and Static Systems
Tests Required by FAR 91.411 & 91.413 IAW Part 43 Appendixes E & F have been performed and
comply with the required data. The Altimeters and Transponder have been tested to 20,000ft. All
other information may be found in ASI WO#7005.

Roland H. Forcell #1NPR910B.

This Transponder S/N: 84123565 was tested
and inspected In Accordance with FAR91.413
and Part 43 Appendix F.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 20020406 was tested
and inspected In Accordance with FAR91.411
and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 20000456 was tested
and inspected In Accordance with FAR91.411
and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Transponder S/N: 84123631 was tested
and inspected In Accordance with FAR91.413
and Part 43 Appendix F.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 174550A was tested
and inspected In Accordance with FAR91.411
and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411

DATE	MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY	DATE
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Aircraft Structural Inspections CRS# 1NPR910B

Altitude Correction Card

Aircraft Model: Piper PA46-500TW# N277WT S/N: 4697286

ASI WO# 7005 Date: 4/26/2024

Altitude (feet)	Altimeter #1 S/N: 20020406	Altimeter #2 S/N: 20000456	Standby Altimeter S/N: 174550A	Transponder S/N: 84123565	Transponder S/N: 84123631
-1000	-990	-980	-1000	-1000	-1000
0	10	20	0	0	0
500	510	520	520	500	500
1000	1010	1020	1020	1000	1000
1500	1510	1520	1520	1500	1500
2000	2010	2020	2000	2000	2000
3000	3010	3020	3000	3000	3000
4000	4010	4020	4000	4000	4000
6000	6010	6000	5980	6000	6000
8000	8010	7980	7960	8000	8000
10000	10010	9960	9940	10000	10000
12000	12010	11940	11930	12000	12000
14000	14010	13930	13920	14000	14000
16000	15010	15940	15920	16000	16000
18000	18010	17900	17900	18000	18000
20000	20010	19890	19880	20000	20000



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11/11/2022 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1222.8 TOTAL: 1222.8

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSHI	TSOH
PRATT & WHITNEY		PT6A-42A	PCE-RM0307	1222.8	135.7	-
PROP HARTZELL		HC-E4N-3Q	HH2717	1222.8	-	3.5

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019 chapter 5-20-00 Inspection Checklist

1. **AD 2021-09-02** is N/A per S/N and maintenance history
2. Complied with **SB 1175B** dated 9-30-2010 Pilot side window inspection , found everything ok at this time
3. Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
4. Complied with **SB 1212** dated 1-5-2010 by inspection flap indicator placard was correct , found everything was ok at this time
5. Complied with **SB 1255** dated 3-14-2013 boost pump wiring by installing kit P/N 88541-001
6. Complied with **SB 1267A** dated 12-18-2015 by installing missing rivets on empennage
7. Complied with **SB 1271A** dated 12-12-2019 wing spar inspection , found everything ok at this time
8. Complied with **SB 1275** dated 6-26-2015 by installing new NLG servicing placard
9. Complied with **SB 1288A** dated 5-8-2017 aft vertical fin spar inspection and nut replacement P/N 404-532 , found everything ok at this time
10. Complied with **SB 1290B** dated 12-14-2007 Flap bellcrank inspection , found everything ok at this time
11. Complied with **SB 1293C** dated 3-9-2017 Part 1 only tow placard and POH revision installation
12. Complied with **SB 1297** dated 10-22-2021 by inspection of rudder tube crossover bar , found everything ok at this time

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11/11/2022 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1222.8 TOTAL: 1222.8

13. Complied with **SB 1327** dated 6-26-2018 aileron control tube inspection , found everything ok at this time
14. Complied with **SB 1369** dated 8-12-2021 by inspection of elevator spar , found everything ok at this time
15. Complied with **Piper SL 1131** dated 08/04/2010, Aileron sector bearing lubrication
16. Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
17. Complied with **Piper SL 1265** dated 05/06/2019 Flight Control System Checks.
18. Complied with **Piper SL 1280** dated 02/14/2020 Rudder Pedal and Bar assembly inspection during annual inspection.
19. Complied with **Piper SL 1285C** dated 03/29/2022 Proper Tire Pressure Maintenance during annual inspection.
20. Complied with **Piper SL 1286D** dated 10-15-2021 NLG Steering Inspection and Adjustment, checks good at this time
21. Complied with **SL 1314** dated 8-22-2022 by inspecting oxygen generators , found everything ok at this time
22. Complied with **VSP 257** dated 2-15-2017 and **P&W SB 3490** dated 1-16-2017by added PY air pressure tube support bracket
23. Complied with **7 day** oxygen cylinder inspection.
24. Complied with **30 day** inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
25. Complied with **90 day** inspection items: Hydraulic pump reservoir, brake reservoir.
26. Complied with **6 month** propeller lubrication.
27. Complied with **50 hour** oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
28. Complied with **50 hour** propeller heat inspection.
29. Complied with **1 Year** acrylic window prism inspection, checks good.
30. Complied with **1 year** engine mount to fuselage attachment brackets and attachment hardware for condition and security.



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11/11/2022

N277WT

PIPER PA46-500TP

SN 4697286

HOBBS: 1222.8

TOTAL: 1222.8

31. Complied with **1 year** ELT inspection per **CFR 91.207 (d)**, battery expires Apr 2023
32. Complied with **1 year** aircraft battery P/N RG-41, S/N: S/N 41028981, completed initial Capacity Testing to Verify Continued Airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. document 5-0171 Rev Q dated 12/04/2018 , battery found to be at 109%.
33. Complied with **1 year** pilot oxygen mask operational test and serviced oxygen bottle.
34. Complied with **2 year** magnetometer calibration , found everything ok at this time
35. Complied with **5 year** Inspection the following attach fittings and push rods. Fwd and aft wing spar to fuselage attach fittings. (Ref. attach fittings corrosion control, 57-40-00) Fwd vertical fin attach fittings. (Ref. attach fittings corrosion control, 55-30-00). Elevators trim tab push rods. (See elevator trim tab push rod corrosion control, 55-20-00). Fwd and aft horizontal stabilizer attach fittings (Ref attach fittings corrosion control, 55-10-00). Reapplied Dinitrol AV corrosion inhibiting compound (PN 89500-800). Next inspection and treatment due 11/2027 (each 5 years).
36. Complied with **6 year** Pilot oxygen mask overhaul by replacement with overhauled unit P/N MC10-16-105 S/N B096643 and oxygen mask regulator was overhauled P/N RMC2016-1 S/N B096643. Maintenance release tags dated 9-29-2021 by Aerospace Turbine Rotables Inc.
37. Complied with **300 hour** fixed oxygen bottle and system inspection , found everything ok at this time. Serviced oxygen system to 1850psi
38. Complied with **300 hour** starter-generator inspection found brushes ok at this time and found everything else ok at this time , installed new o-ring on shaft
39. Complied with **400 hour/2 year** fuel purge inspection , found everything ok at this time
40. Complied with **500 hour** main landing gear upper actuator bolt replacement P/N 693-216 (NAS2817-24H)
41. Complied with **500 hour / 2 year** fuel strainer inspection , found everything ok at this time
42. Complied with **600 Hour** Airframe fuel filter replacement P/N 601-809.
43. Complied with **8 year / 3600 hour** engine hoses and gear well hydraulic hose replacement
44. Complied with **600 hour** airframe fuel filter replacement P/N 601-809

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

NAME OF
PART

PART

SERIAL

INSTALLATION

TIME ON PART

IEEE UNIT

DELIVERY

AGENCY
CERT. NO.



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SN 4697286

PIPER PA46-500TP

N277WT

11/11/2022

HOBBS: 1222.8 TOTAL: 1222.8

45. Complied with **1000 hour** engine firewall inspection , found everything ok at this time
46. Complied with **1000 hour** aileron and flap bolt and bearing inspection completed, checks good at this time.
47. Replaced airbourne check valve with new P/N 1H37-1
48. Replaced left aft cabin window and emergency exit window inner window pane P/N 104652-005 and 104652-004
49. Installed Bose aviation headset jacks in the pilots and copilots armrest side panels, Bose P/N 323193-0010, Pilots S/N 053718Z21870837AE, Copilots S/N 053718Z21870684AE.
50. Installed new pilot windshield P/N 494-782 S/N 22013H5206
51. Replaced nose gear actuator with new P/N 106877-003 S/N FAH1579
52. Installed new style left main landing gear actuator hose P/N 187-273
53. Installed six cockpit and cabin oxygen masks P/N 289-601-204 (474-0144).
54. Installed new generator line contactor K405 P/N 602-943
55. Installed new #1 transponder antenna RAMI P/N AV-74
56. Installed new cabin fire extinguisher P/N A344
57. Installed new outer cabin door handle placard P/N 100700-014
58. Complied with LoPresti boom beam ICA , found everything ok at this time
59. Adjusted Yaw servo cable tension per AMM
60. Adjusted aileron cable tension per AMM
61. Adjusted rudder cable tension per AMM
62. Replaced nose wheel bearing races P/N 757-831
63. Replaced several belly placards P/N 656-238 , 656-242 , 656-244 , 656-250
64. Replaced cracked rib in right hand gear well with new P/N 83294-003
65. Replaced right aileron outboard bonding strap P/N 469-617
66. Replaced nose tire with Goodyear tire P/N 505C01-2 S/N 11910016
67. Replaced right MLG servicing placard P/N 684-945
68. Replaced left and right brake caliper shims P/N 068-04100
69. Replaced left brake caliper insulators P/N 088-00100



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11/11/2022 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1222.8 TOTAL: 1222.8

- 70. Replaced emergency exit seal with new P/N 686-045
- 71. Replaced pilot shoulder harness assembly P/N 564-890
- 72. Replaced emergency extension free-fall valve with new P/N 101758-802 S/N 0232
- 73. Installed repaired standby altimeter P/N 602-274 S/N 174550A. Maintenance release tag dated 11-10-22 by Mid-Continent Instruments and Avionics

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **21943 and 21946.**

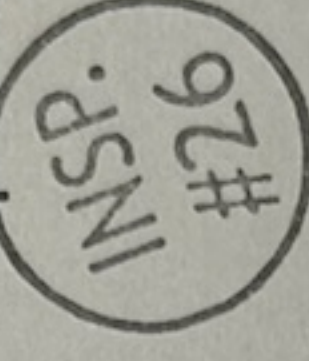
Date Signed 11/11/2022:

K9 J 22

Kurt Gabriel

Des Moines Flying Service,

FAA CRS G9CR485J



CORRECTION
D SIGNATURE
DATE NO.

AI

A.D./BULL.
NUMBERDES MOINES
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11/21/2022

N277WT

PA46-500TP

SN 4697286

HM: 1122.8

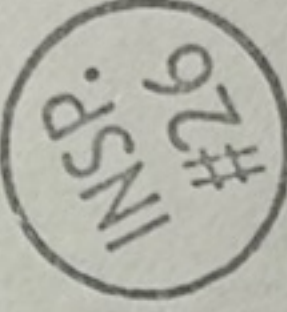
1. Installed repaired Annunciator panel P/N 90-50402-1 S/N 085 Rev B. Maintenance release tag dated 11-16-22 by Muncie Aviation Company
2. Installed 3 new oxygen generators P/N 471-025 S/N: A22072487, MFG DATE: 072022, S/N: A22072501, MFG DATE: 072022, S/N: A22072503, MFG DATE: 072022

The aircraft, airframe, engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No 21946.

Date Signed 11/21/2022:

Kurt Gabriel

Des Moines Flying Service, Inc., FAA CRS G9CR485J



RECORD

ED SIGNATURE
IFICATE NO.

RECORD

SIGNATURE
DATE NO.

A.D./B
NUM



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01/17/2023
1270.0 TACH

N277WT

PA-46-500TP

SN: 4697286

AIRCRAFT LOG

1. Removed AC compressor P/N: SD-5H09 S/N: SA5093 and installed Overhauled AC compressor P/N: SD-5H09 S/N: 1778009680. Before reconnection lines, All lines were flushed with Refrigerant flush. Installed new Receiver drier P/N: 601-218 and new Pilots expansion valve P/N: 765-216. Vacuumed system for an hour. Leak checked system and then serviced with 2.5lbs of R134A refrigerant.
2. Replaced vacuum regulator filter element P/N: 751-815.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No. 22031

Date Signed 01/17/2023:

Todd Theulen

Des Moines Flying Service

FAA CRS G9CR485J



RECORD

AUTHORIZED SIGNATURE
CERTIFICATE NO.



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12/20/2023 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1450.3 TOTAL: 1450.3

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSHI	TSOH
PRATT & WHITNEY	PT6A-42A	PCE-RM0307		1450.3	363.2	-
PROP	HARTZELL	HC-E4N-3Q	HH2717	1450.3	-	231

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019 chapter 5-20-00 Inspection Checklist

1. Complied with 30 day inspection items: standby attitude emergency power supply, portable fire extinguisher
2. Complied with 90 day inspection items; Hydraulic Pump Reservoir, Brake Reservoir, ELT, Oxygen Cylinder
3. Complied with 6 Month Propeller Lubrication
4. Complied with 50 hour oleo struts for proper extension and evidence of fluid leakage, landing gear 12-10-00
5. Complied with 50 hour propeller heater inspection
6. Complied with 300 hour fixed oxygen cylinder inspection
7. Complied with Piper SB 1204 dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
8. Complied with Piper SL 1131A Dated 02/11/2019, Aileron sector bearing lubrication during annual inspection
9. Complied with Piper SL 1135 Dated 10/19/2010 Control Cable / Pulley Inspections during Annual Inspection.
10. Complied with Piper SL 1265 dated 05/06/2019 Flight Control System Checks.
11. Complied with Piper SL 1274 Dated 01/06/2020 Hartzell Preferred Grease servicing during Annual Inspection
12. Complied with Piper SL 1280 Dated 02/14/2020 Rudder Pedal and Bar assembly inspection during annual inspection.

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

DATE

A.D./BULL. NUMBER

DATE

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- 12/20/2023 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1450.3 TOTAL: 1450.3
13. Complied with Piper SL 1285C Dated 03/29/2022 Proper Tire Pressure Maintenance during annual inspection.
 14. Replaced MLG tires with Goodyear flight custom III P/N: 606C86-6 with Goodyear main tubes P/N: 06-05300-1 and nose tire Goodyear flight special II P/N: 505C01-2 and tube P/N: 302-013-400 with missing grommet P/N: 217-30653.
 15. Installed new LH and RH brake rotor assemblies P/N: 164-07800 with new brake linings P/N: RA066-06200.
 16. Removed and replaced LH and RH upper torque link bushings P/N: 452-857.
 17. Resealed LH brake caliper with new o-rings P/N: MS28775-011 and new insulators P/N: 088-00100 and new brake shim P/N: RA068-04100, work performed IAW Piper PA-46-500TP AMM 32-40-00.
 18. Serviced all landing gear struts with 5606 hydraulic fluid and nitrogen charge IAW Piper PA-46-500TP AMM 32.
 19. Repaired cabin door seal with RTV 157 as necessary.
 20. Installed elevator spar reinforcement kit P/N: 88649-701 per kit instructions.
 21. Complied with 1 year pilot O2 mask inspection and O2 service, no defects noted at this time.
 22. Battery PN RG-41 SN 41028981 completed Capacity Testing to Verify Continued Airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. Document 5-0171 Rev Q dated 12/04/2018, battery found to be at 99%.
 23. PS-834A Part Number 501-1682-01 Serial Number 80447 This unit was tested in accordance with the PS-834A Maintenance Manual part number TP475 Revision A Change 4 dated November 13th, 2015, L-3 Service Letter SL 120 Revision F dated November 30 2009 and Piper PA-46-500TP Maintenance Manual part number 767-072 Revision PR 210331 Dated 31 March 2021, Section 34-20-00 Section C. Passed.
 24. ELT 110-4 P/N: 453-0150 S/N: 73124. Complied with ELT inspection per CFR 91.207 (d) (1) Proper installation;(2) Battery corrosion;(3) Operation of the controls and crash

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER

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DATE

- 12/20/2023 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1450.3 TOTAL: 1450.3
- sensor; and(4) The presence of a sufficient signal radiated from its antenna. No defects noted, battery expiration DEC/2024.
25. Complied with one year engine mount inspection, no defects noted at this time.
 26. Complied with one year acrylic window inspection, no defects noted at this time.
 27. Evacuated the Air Conditioning system and leak checked. Found High side fitting to have a small seep. Cleaned fitting and found to no longer be leaking. Serviced with 2.5 lbs R134A refrigerant.
 28. Replaced NLG emergency downspring P/N: 487-399 IAW Piper PA-46-500TP AMM 32. Functional tests satisfactory.
 29. Complied with Lopresti boom beam light STC SA02279AT ICA. No defects noted at this time.
 30. Complied withh Piper SB 1290B flap bracket inboard bellcrank recurring 100 hour inspection. No defects noted. Next due at 1550.3 hours TTIS.
 31. Complied with Piper SL. No 1204 Heated Windshield Test Procedure dated August 17, 2016. Windshield Passed. P1-P2: 1.16 ohms P1-P3: 1.55 ohms.
 32. Complied with Piper SL 1286D nose landing gear steering components inspection and adjustment. No defects noted at this time.
 33. Complied with Piper SL 1297 rudder tube assembly inspection. No defects noted. Next due at 1550.3 hours TTIS.
 34. Complied with Piper SL 1314 Oxygen Generator Inspection. Manufacture dates 07/2022. No defects noted.
 35. Installed new RH Navigation lamp A7512-24. Operational test good.
 36. Bled brakes with 5606 hydraulic fluid. Functional tests good.
 37. Replaced flap chafe tape as necessary under wings.
 38. Installed new A/C belt P/N: 73965-024 and tensioned A/C and alternator belts.
 39. Adjusted pitch trim servo cable tension per AMM.
 40. Adjusted yaw trim servo cable tension per AMM.

AI TIMETER & STATIC SYSTEM CHECKS



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OVER BY:
CERT. NO.

12/20/2023

N277WT

PIPER PA46-500TP

SN 4697286

HOBBS: 1450.3

TOTAL: 1450.3

41. AD 2023-25-02 12/19/2023 39-22629 This AD requires control column assembly inspection in accordance with the instructions in Piper Service Bulletin no. 1409A, dated November 21, 2023, this AD is not applicable to this aircraft by serial number. No action required.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **22357**.

Date Signed 12/20/2023:

Matt Weston

Des Moines Flying Service,

FAA CRS G9CR485J

INSP
#32

Date: 05/01/2024

REG NO. N277WT

Year: 2006

Make: Piper

Model: Meridian

Serial: 4697286

Installed new LED Nav Lights, p/n: 01-0771733-11 & 01-0771733-12. Operational check was good.

REG NO. N277WT

Year: 2006

Make: Piper

Model: Meridian

Serial: 4697286

Installed new Aft Cabin Door Cable, p/n: 89630-005. Operational check was good.

ATA
AIRCRAFT TECHNICAL
AUTHORITY

AIRFRAME

ATA
AIRCRAFT TECHNICAL
AUTHORITY

AIRFRAME

David Carter

A&P IA: 2707291

ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

APPROVED BY:
AGENCY

CERT. NO.

RECHECK
REQUIRED

MAX. ALT.

LOCATION

SERIAL NO.

MODEL

MANUFACTURER

DATE

Aircraft Structural Inspections CRS# 1NPR910B

Altitude Correction Card

Aircraft Model: Piper PA46-500TF# N277WT S/N: 4697286

Date: 4/26/2024

ASI WO# 7005

Altitude (feet)	Altitude #1 S/N: 20020406	Altitude #2 S/N: 20000456	Standby Altitude S/N: 174550A	Transponder S/N: 84123565	Transponder S/N: 84123631
-1000	-990	-980	-1000	-1000	-1000
0	10	20	0	0	0
500	510	520	520	500	500
1000	1010	1020	1020	1000	1000
1500	1510	1520	1520	1500	1500
2000	2010	2020	2000	2000	2000
3000	3010	3020	3000	3000	3000
4000	4010	4020	4000	4000	4000
6000	6010	6000	5980	6000	6000
8000	8010	7980	7960	8000	8000
10000	10010	9960	9940	10000	10000
12000	12010	11940	11930	12000	12000
14000	14010	13930	13920	14000	14000
16000	15010	15940	15920	16000	16000
18000	18010	17900	17900	18000	18000
20000	20010	19890	19880	20000	20000

APPROVED BY:
GENCY CERT. NO.

DATE

Aircraft Structural Inspections LLC
FAA CRS #1NPR910B
Mountain View Ar 72560

Aircraft Make & Model Piper PA46-500TP Aircraft Registration N277WT
Date 26/APR/2024 Aircraft Hobbs Time 1517.6 Serial Number 4697286

I Certify that the Altimeter S/N: 20020406, Altimeter S/N: 20000456, & Altimeter S/N: 174550A, Altitude Reporter, Transponder S/N: 84123565 & Transponder S/N: 84123631 and Static Systems Tests Required by FAR 91.411 & 91.413 IAW Part 43 Appendixes E & F have been performed and comply with the required data. The Altimeters and Transponder have been tested to 20,000ft. All other information may be found in ASI WO#7005.

Roland H. Powell Jr #1NPR910B.

This Transponder S/N: 84123565 was tested and inspected In Accordance with FAR91.413 and Part 43 Appendix F.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 20020406 was tested and inspected In Accordance with FAR91.411 and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 20000456 was tested and inspected In Accordance with FAR91.411 and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Transponder S/N: 84123631 was tested and inspected In Accordance with FAR91.413 and Part 43 Appendix F.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

This Altimeter S/N: 174550A was tested and inspected In Accordance with FAR91.411 and Part 43 Appendix E.
ASI WO# 7005
Date: 26/APR/2024
FAA CRS INPR910B

DATE

DES MOINES
FLYING SERVICE

RADIO & ELECTRONIC CHECKS

INTERNATIONAL AIRPORT

PO BOX 35126 - DES MOINES, IOWA 50315-
0302 TELEPHONE (515) 256-5300 - FAX (515)256-5537
dmfs.com12/11/2024 N277WT PIPER PA46-500TP SN 4697286
HOBBS: 1612.7 TOTAL: 1612.7

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSHSI	TSOH
PRATT & WHITNEY		PT6A-42A	PCE-RM0307	1612.7	525.6	-
PROP HARTZELL		HC-E4N-3Q	HH2717	1612.7	-	393.4

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 07/31/2019 chapter 5-20-00 Inspection Checklist

1. Complied with **SB 1175B** dated 9-30-2010 Pilot side window inspection , found everything ok at this time
2. Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
3. Complied with **SB 1290B** dated 12-14-2007 Flap bellcrank inspection , found everything ok at this time
4. Complied with **SB 1297** dated 10-22-2021 by inspection of rudder tube crossover bar , found everything ok at this time
5. Complied with **SB 1369** dated 8-12-2021 by inspection of elevator spar , found everything ok at this time
6. Complied with **Piper SL 1131A** dated 02/11/2019, Aileron sector bearing lubrication
7. Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
8. Complied with **Piper SL 1265** dated 05/06/2019 Flight Control System Checks.
9. Complied with **Piper SL 1280** dated 02/14/2020 Rudder Pedal and Bar assembly inspection during annual inspection.
10. Complied with **Piper SL 1285C** dated 03/29/2022 Proper Tire Pressure Maintenance during annual inspection.
11. Complied with **Piper SL 1286D** dated 10-15-2021 NLG Steering Inspection and Adjustment, checks good at this time

CHECKED BY:
SIGNATURE — CERT. NO.

CHECKED BY:
SIGNATURE — CERT. NO.

DATE

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12. Complied with Piper SL 1314 Oxygen Generator Inspection dated August 22, 2022. Instructions 1-9 completed, Mfr. date 07/2022.
13. Complied with **7 day** oxygen cylinder inspection.
14. Complied with **30 day** inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
15. Complied with **90 day** inspection items: Hydraulic pump reservoir, brake reservoir.
16. Complied with **6 month** propeller lubrication.
17. Complied with **50 hour** oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
18. Complied with **50 hour** propeller heat inspection.
19. Complied with **1 Year** acrylic window prism inspection, checks good.
20. Complied with **1 year** engine mount to fuselage attachment brackets and attachment hardware for condition and security.
21. Complied with **1 year** ELT inspection per **CFR 91.207 (d) (1) thru (4) ELT 110-4 P/N: 453-0150 S/N: 73124. New battery installed PN 452-0130 SN 1014510-017 Expires JUL/2027.**
22. Complied with **1 year** aircraft battery P/N RG-41, S/N: S/N 41028981, completed initial Capacity Testing to Verify Continued Airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. document 5-0171 Rev Q dated 12/04/2018 , battery found to be at 94%.
23. Complied with **1 year** pilot oxygen mask operational test and serviced oxygen bottle.
24. Comply with L-3 ICA Standby attitude indicator battery capacity test, PS-834A Part Number 501-1682-01 Serial Number 80447. This unit was tested in accordance with the PS-834A Maintenance Manual part number TP475 Revision A Change 4 dated November 13th, 2015, L-3 Service Letter SL 120 Revision F dated November 30 2009 and Piper PA-46-500TP Maintenance Manual part number 767-072 Revision PR 210331 Dated 31 March 2021, Section 34-20-00 Section C. Battery under test will last for a minimum of 45 minutes this unit under test lasted for 85 Minutes.
25. Complied with **2 year** magnetometer calibration, found everything ok at this time

DATE

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SN 4697286

PIPER PA46-500TP

N277WT

12/11/2024

HOBBS:

1612.7

TOTAL:

1612.7

Complied with **400 hour/2 year** fuel purge inspection, found everything ok at this time

Complied with LoPresti boom beam ICA, found everything ok at this time.

Remove and replace left and right brake linings (8) PN 66-62 linings.

Remove and replace left and right brake rotors PN (2) 164-07800.

Complied with Piper SL. No 1204 Heated Windshield Test Procedure dated August 17, 2016.

Windshield Passed, P1-P2: 1.188 Ohms P1-P3: 1.623 Ohms

Removed old propeller left side brush block, assembled new brushes PN 592-680, 592-681 and 592-682, reinstalled brush assembly using a thicker shim where it mounts to center the brushes on the slip ring, transfer wires to brush block, operation checks good.

Removed worn left lightning diverter and installed new lightning diverter P.N. 88559-002 IAW PA-46-500TP per AMM.

Remove old engine oil deflector, painted new deflector PN 102611-002 and installed.

Installed 5 new static wick bases P/N: 452-124 and 8 new static wicks P/N: 456-904.

Complied with Piper SB 1410A, Vertical Stabilizer Installation Improvement, dated March 12,

2024. Installed new hardware, (4) NAS6606-7 bolts, (2) NAS6606-8 bolts, (12)

NAS1149F0663P washers, (6) MS20002C6 washers and (6) MS21042L6 nuts. No further action required.

Remove and replace left cabin pressurization flapper drain valve PN82260-002.

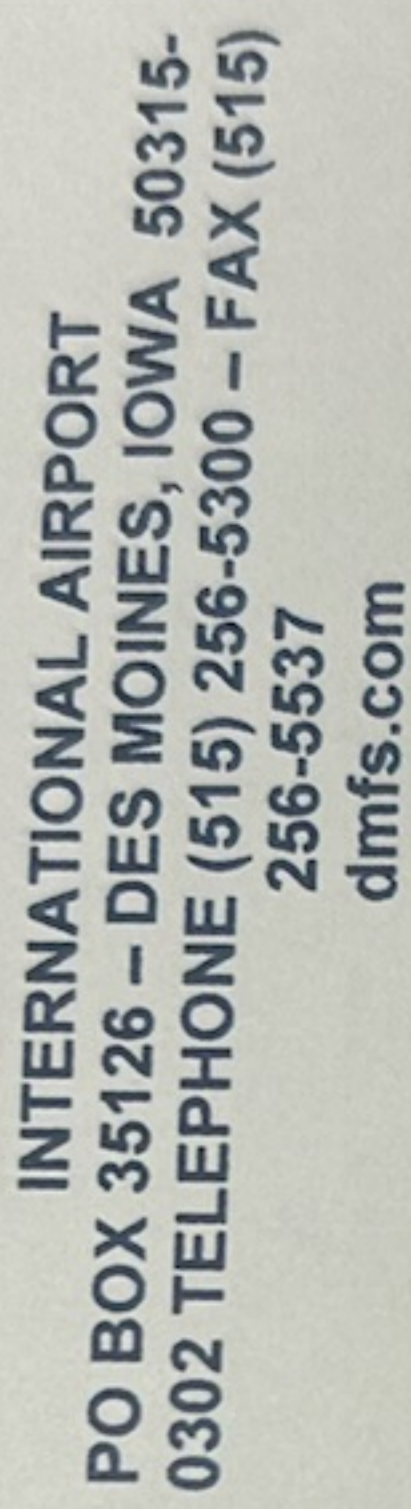
Complied with Piper SB 1403 Airframe Doubler Inspection dated May 21, 2024. Initial

inspection check failed on both right and left sides at bulkhead assembly FS. 79.00, accomplishing Part I. Part II was accomplished on right and left side by filling gap with Loctite EA 9396 epoxy per instructions. Recurring inspection should be performed once the aircraft has accumulated 3,500 hours TIS and every 250 hours TIS thereafter.

Removed Oxygen bottle PN: 800112-24 SN: ST79297 and Regulator PN 800114-12 SN C06100283, Installed Oxygen bottle PN 800112-24 SN ST10755 Hydrostatic tested Jul 19, 2024 and overhauled regulator Jul 19, 2024 PN 800114-12 SN 10395, serviced bottle with oxygen and leak checked fittings, no leaks noted. See 8130-3 Aerospace Turbine Rotables Inc. for details.

DATE	TOTAL TIME	EQUIPMENT CHECKED	TYPE OF CHECK	ERROR OR RESULTS	NEXT CHECK DUE	CHECKED BY: SIGNATURE — CERT. NO.

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NATURE — CERT. NO.



SN 4697286

39. Complied with Piper Service Bulletin 1392 dated June 20, 2024 Frame Assembly Inspection and Repair, Fuselage Station 282.0. No discrepancies noted at time of compliance.
40. Complied with Piper SL 1286D Nose Landing Gear Steering Components Inspection and Adjustment Dated October 15 2021, no defects noted at this time.

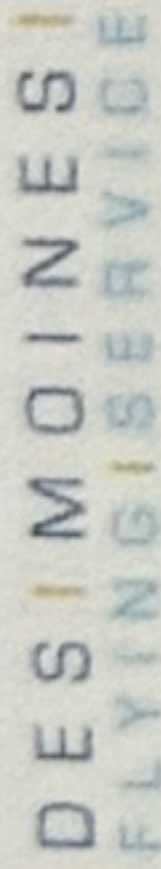
I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **22785**.

Date Signed 12/11/2024: Paul Cawthorn
Paul Cawthorn
FAA CRS G9CR485J

83. Paul Cawthorn
Paul Cawthorn

CHECKED BY:
SIGNATURE — CERT

NEW CHECK



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12/11/2024	N277WT	PIPER PA46-500TP	SN 4697286
HOBBS:	1612.7	TOTAL:	1612.7

39. Complied with Piper Service Bulletin 1392 dated June 20, 2024 Frame Assembly Inspection and Repair, Fuselage Station 282.0. No discrepancies noted at time of compliance.
40. Complied with Piper SL 1286D Nose Landing Gear Steering Components Inspection and Adjustment Dated October 15 2021, no defects noted at this time.
41. C/W Piper SB 1404 Eff. date 03/28/2024 Flap drive bracket inspection, checks good at this time. ^{SL}
42. C/W Piper ~~SB~~ 1297 Eff. Dated 10/22/2021 Rudder tube assembly inspection checks good.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **22785**.

Date Signed 12/11/2024:

785. *Rand Caution*

Paul Cawthorn

Des Moines Flying Service,

FAA CRS G9CR485J

