



2180 Oklahoma Avenue  
Blaine, MN 55449  
877-662-5428  
malibuaerospace.com

Registration N519DM  
Model PA46-350P  
Serial 4636528  
Hobbs 889.6  
Date 9/7/2022

Engine  
Engine Model TIO-540-AE2A  
Engine Serial L-13748-61A  
Engine Time 889.6  
Cycles

- 1 DRAINED THE ENGINE OIL AND TOOK A SAMPLE. REMOVED, CUT OPEN, AND INSPECTED OIL FILTER. NO DEFECTS NOTED. INSTALLED NEW CH48103-1 FILTER. CW LYCOMING SB 480F OIL SUCTION SCREEN INSPECTION, NO DEFECTS NOTED. SERVICED ENGINE WITH 11 QTS OF PHILLIPS X/C SAE 20W-50 OIL. LUBED WASTEGATE WITH MOUSE MILK AND CLEANED BREATHER TUBE EXIT OF DEPOSITS. GROUND RUN UP AND LEAK-CHECK COMPLETED. NO DEFECTS NOTED.
- 2 PRESSURIZED & LEAK CHECKED ENGINE INDUCTION SYSTEM.
- 3 ENGINE COMPRESSION TEST IS #1 75/80 PSI, #2 73/80, #3 75/80, #4 75/80, #5 74/80, #6 75/80
- 4 TORQUE CHECKED AND SAFETIED ALL EXHAUST SYSTEM V-BAND CLAMPS.
- 5 ADJUSTED AIR/OIL SEPARATOR POSITION TO PREVENT DRAIN TUBE FROM BACKING OUT OF EXHAUST PIPE.

Dave Patton (License: A&P 3580894 IA)



N519DM

Piper PA 46-350P

S/N: 46-36528

Date: 11/01/2022

Tach: 922.7

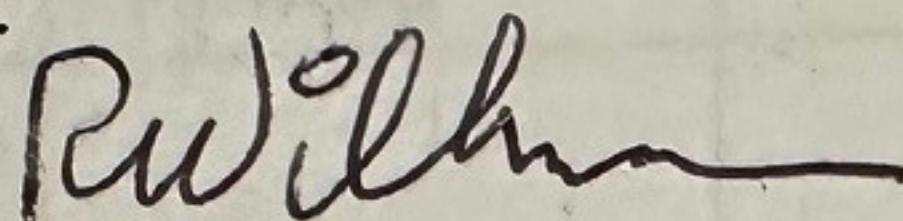
Continental TIO-540-AE2A

S/N: L-13745-61A

Drained engine oil. Removed oil filter and installed new Tempest AA48103-2. Replenished with Phillips X/C 20W50-AD engine oil. Engine run-up accomplished. No leaks noted at filter. Maintenance accomplished in accordance with Piper Malibu Maintenance Manual.

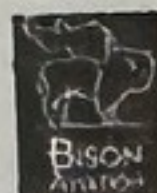
Randall K. Willman

Mechanic #3223946 (A&P-IA)



Engine - page 1 of 2

wo: WO23078



Bison Aviation, LLC · 118 Boerne Stage Airfield · Boerne, Texas 78006 · 2108764444 · CRS#: 85NR497D

N519DM

HOBBS: 961.2

LYCOMING, TIO-540-AE2A, S/N: L-13748-61A  
SINCE NEW  
(HOBBS): 961.2

December 01, 2023

1. Complied with Engine 100HR inspection IAW FAR Part 43 Appendix D and Piper PA-46-350P MM CH 5. Drained oil, removed filter and inspected for debris, no defects noted. Installed NEW filter and safetied. Serviced with 11 QTS of Aeroshell 20W-50 oil. Leak check satisfactory. Complied with Compression test, Results are: CYL #1 (77/80) CYL #2 (76/80) CYL #3 (68/80) CYL #4 (72/80) CYL #5 (78/80) CYL #6 (76/80).
2. Removed accessory drive belts and propeller for access. Removed crankshaft seal and installed NEW, P/N LW-15628, IAW Lycoming TIO-540 OM CH 7-17. Re-installed propeller, torqued to spec and safetied. Checked propeller blade tracking, no defects noted. Work done IAW Piper PA-46-350P MM CH 61. Re-installed and tensioned all accessory drive belts IAW Piper PA-340P MM CH 21-50-00 and 24-30-00. Performed engine run and cycled prop for leak and OPS checks. No leaks noted, OPS check satisfactory.
3. Removed oil pressure relief valve. Installed NEW valve, P/N 77808, with NEW crush washer and safetied. Adjusted valve to same setting as original. OPS and leak check satisfactory. Work done IAW Lycoming TIO-540 OM CH 9-4. Adjustments made per table 4-1 in Lycoming TIO-540 OM CH 9.



wo: WO23078

Engine · page 2 of 2



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4. Complied with AD 15-19-07 by inspection of fuel injectors, lines and clamps. No defects noted at this time.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Bison Aviation, LLC under work order: WO23078.

Daniel Atkeson A&P 3608232



**ALAMO AERO SERVICES, INC.**

P.O. BOX 460212 SAN ANTONIO TX 78246 PHONE (210) 525-9677 FAX (210) 525-1226

Performed the following maintenance:

- Performed annual inspection in accordance with Piper Malibu Service Manual.
- Compression test results: 1) 76/80, 2) 78/80, 3) 78/80, 4) 77/80, 5) 77/80, 6) 76/80.
- Replaced oil filter, p/n: CH48103-2 and serviced with 11 qts. Phillips XC20-W50 oil.
- Complied with AD 2024-21-02 by inspecting oil filter and oil pick up screen for metal particles.
- Complied with AD 2015-19-07 by inspection of fuel injector fuel lines and clamps in accordance with Textron Lycoming MSB342G. No defects noted.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The maintenance and / or inspection performed on the engine identified above was performed in accordance with current federal aviation regulations and was found to be airworthy for return to service.

DATE: 2/6/2025  
HOBBS: 984.5  
ENGTT: 984.5

REG.NO: N519DM  
ENGINE S/N: L-13748-61A

Michael Kappel  
IA# 3325060



Registration No. \_\_\_\_\_

Page 1 of 1



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Date 9/7/2022

AIR FRAME

AFTT 889.6

- 1 COMPLETED MALIBU AEROSPACE PISTON LIGHT PRE-PURCHASE INSPECTION.
- 2 TORQUED NOSE GEAR LOWER ACTUATOR BOLT AND BOTH MAIN GEAR UPPER AND LOWER ACTUATOR BOLTS. SECURED WITH .041 SAFETY WIRE PER PIPER MM.
- 3 RESECURED SEAT 3 & 4 HEADREST FRAMES BY INSTALLING NEW SCREWS AND LOCKING HARDWARE.
- 4 CORRECTED THE ORIENTATION OF THE PILOT AND COPILOT'S SUN VISORS IAW PIPER IPC REF. 1G18.
- 5 FABRICATED AND INSTALLED NEW COCKPIT CIRCUIT BREAKER VALUE PLACARDS AS NEEDED.
- 6 INSTALLED A PM RESEARCH RADOME ANTI-EROSION BOOT, PN: PM-158 IAW INCLUDED INSTRUCTION MANUAL.

Dave Patton (License: A&P 3580894 IA)

A handwritten signature in black ink, appearing to read "Dave Patton", written over a horizontal line.



wo: WO23078



Airframe - page 1 of 2

Bison Aviation, LLC - 118 Boerne Stage Airfield - Boerne, Texas 78006 - 2108764444 - CRS#: 85NR497D

**N519DM**

**PIPER AIRCRAFT INC, PA 46-350P, S/N: 4636528**

**December 01, 2023**

**HOBBS: 961.2**

1. Complied with Airframe 100HR inspection IAW FAR Part 43 Appendix D and Piper PA-46-350P MM CH 5.
2. Created AD compliance report and attached to additional reports. AD research done for years 2000-2023. All AD's and MSB's have been complied with to date.
3. Performed ELT Functional Test as required per FAR 91.207. BATTERY EXP DATE: NOV/2024.
4. Removed damaged center static wick base from RH aileron. Installed NEW base and static wick, IAW Piper PA 46-350P MM CH 23. Painted wick base using WHITE touchup paint IAW Piper PA 46-350P MM CH 20.
5. Defueled RH fuel tank for access. Removed RH fuel collector tank access panel in RH MLG wheel well. Removed old sealant and re-installed panel with NEW sealant IAW Piper PA 46-350P MM CH 28. Re-fueled aircraft, no leaks noted at this time.
6. Removed landing gear emergency release valve, P/N 102555-003 S/N 0585. Installed NEW valve, P/N 101758-802 S/N 0426. Performed OPS and leak checks. No leaks noted, OPS check satisfactory. Work done IAW Piper PA 46-350P MM CH 32. Installed P/N 101758-802 - Valve, Emergency Release S/N: 0426.





Bison Aviation, LLC · 118 Boerne Stage Airfield · Boerne, Texas 78006 · 2108764444 · CRS#: 85NR497D

**N519DM**  
HOBBS: 961.2

**PIPER AIRCRAFT INC, PA 46-350P, S/N: 4636528**

**December 01, 2023**

1. Complied with Airframe 100HR inspection IAW FAR Part 43 Appendix D and Piper PA-46-350P MM CH 5.
2. Created AD compliance report and attached to additional reports. AD research done for years 2000-2023. All AD's and MSB's have been complied with to date.
3. Performed ELT Functional Test as required per FAR 91.207. BATTERY EXP DATE: NOV/2024.
4. Removed damaged center static wick base from RH aileron. Installed NEW base and static wick, IAW Piper PA 46-350P MM CH 23. Painted wick base using WHITE touchup paint IAW Piper PA 46-350P MM CH 20.
5. Defueled RH fuel tank for access. Removed RH fuel collector tank access panel in RH MLG wheel well. Removed old sealant and re-installed panel with NEW sealant IAW Piper PA 46-350P MM CH 28. Re-fueled aircraft, no leaks noted at this time.
6. Removed landing gear emergency release valve, P/N 102555-003 S/N 0585. Installed NEW valve, P/N 101758-802 S/N 0426. Performed OPS and leak checks. No leaks noted, OPS check satisfactory. Work done IAW Piper PA 46-350P MM CH 32. Installed P/N 101758-802 - Valve, Emergency Release S/N: 0426.



wo: WO23078



Airframe · page 2 of 2

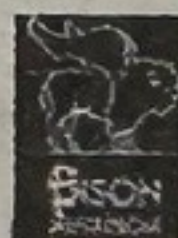
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7. Defueled RH fuel tank for access. Prepped inboard mid-section of fuel tank for sealant. Applied B Type sealant to all areas of possible fuel leakage. Re-fueled aircraft to 60 GAL and leak checked. No leaks noted at this time. All work done IAW Piper PA 46-350P MM CH 28.
8. Complied with AD 15-19-07 by inspection of fuel injectors, lines and clamps. No defects noted at this time.
9. Complied SB 1290B by inspection of flap bracket rivets. No defects noted at this time.
10. Complied with SL 1183 by inspection of elevator plate rivets. No defects noted at this time.
11. Complied with SB 1202 by inspection of MLG actuator hoses. No defects noted at this time.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Bison Aviation, LLC under work order: WO23078.

Daniel Atkeson A&P 3608232

wo: WO23078



Airframe · page 1 of 1

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**N519DM**  
HOBBS: 961.2

**PIPER AIRCRAFT INC, PA 46-350P, S/N: 4636528**

**December 01, 2023**

1. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition under CRS # 85NR497D.

With respect to the work performed, this airframe is approved for return to service. Details of work performed are on file with Bison Aviation, LLC under work order: WO23078.





**ALAMO AERO SERVICES, INC.**

P.O. BOX 460212 SAN ANTONIO TX 78246 PHONE (210) 525-9677 FAX (210) 525-1226

DATE: 2/6/2025

HOBBS: 984.5

ACTT: 984.5

REG.NO: N519DM

AIRCRAFT S/N: 4636529

**Performed the following maintenance:**

- Performed annual inspection in accordance with Piper Mirage/Matrix Service Manual.
- Replaced induction air filter with new filter p/n P15-1936.
- Replaced two static wicks on left wing tip with new static wicks p/n 456-872.
- Replaced nose gear extension spring with new spring p/n 487-399.
- Replaced left brake linings and O-ring with new linings p/n 066-06200, O-ring p/n MS287775-222 and replaced left and right insulators with new insulators p/n 068-01100.
- Removed nose gear, disassembled for repair by K&K Precision Welding FAA CRS #XKKR436L. Painted, reassembled, installed and checked rigging.
- Removed standby horizon, performed battery capacity test and reinstalled horizon.
- Complied with Piper service bulletin SL1183 by inspection of elevator plate rivets. No defects noted.
- Complied with Piper service bulletin SL1290B by inspection of flap bell crank support plate rivets. No defects noted.
- Complied with Piper service bulletin SL1131A by lubrication of aileron sector bearings.
- Complied with Piper services bulletin SL1204 by testing heated windshield resistance. No defects noted.
- Replaced ELT battery p/n: 455-0012 with new battery s/n: 1008755-060 (next due Aug 2030). Performed ELT functional test in accordance with FAR 91.207(d).
- Complied with AD 2011-06-10 by replacing TIT probe with new probe p/n: 686-216.

I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The maintenance and / or inspection performed on the airframe identified above was performed in accordance with current federal aviation regulations and was found to be airworthy for return to service.

  
Michael Kappel

IA# 3325060