

AIRCRAFT DESCRIPTION

Registration No. N762VA

Popular Name: M350

Type Certificate No.: A2550

ERHORN WHITE

Serial Numbers: Single ~~L-14583-61A~~
1-14608-61A

Original Engine Model: TIO-540-AE2H

Right

Hub or Serial Number:Single NY 388B

Left -

Right:

Blade Numbers

Right

C8792

C.8794

080793

2021 MODEL

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
	All applicable Federal Aviation Administration Airworthiness Directives, through Bi-Weekly <u>2021-21</u> , have been complied with at the time of manufacture.	20.3	OCT 16 2021	

Signed:


STEVEN J. VANANTWERP 999996931
PIPER AIRCRAFT, INC.

MAKE Piper
MODEL PA46-350P
S/N 4335785
REG NO N752VA
WORK ORDER
4233-10-2021

Piper Aircraft, Inc.

2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-557-4351

DATE 10/22/2021
A/C TSN 355
HOBBS 335

Airframe Entries

Autopilot not functioning correctly. Verified proper cable and bridle cable tensions. Adjusted low elevator cable tension per Piper MM 761-876, chapter 27-00-00 Left hand fuel tank quantity reads 54 gallons when full. Performed fuel calibration per Piper MM 761-876 chapter 28-40-00.

Maintenance Release

The aircraft and/or component(s) on N752VA was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station, ZPAR410X, under Work Order No. 4233-10-2021.

DATE 10/22/2021

SIGNED:



Work Order: 4233-10-2021

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AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
OCT 16 2021	Brought Forward →	20.3		The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested: On (Pri) <u>6/2/2021</u> at <u>55,000 ft.</u> (Sec) <u>6/2/2021</u> at <u>55,000 ft.</u> The ELT is installed per FAR 91.207. Battery Replacement date: <u>SEP 2021</u> 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>GTX 345R</u> S/N <u>3EHO41242</u> 2. Make <u>Garmin</u> Model <u>GTX 3</u> S/N <u>N/A</u> Details of this inspections are on File at this facility under: AFT S/N <u>4636 785</u> Date <u>7/30/2021</u> The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: <u>7/30/2021</u> The standby altimeter and static system test required by FAR Part 91.411 have been performed. The standby altimeter has been tested to <u>55,000 ft.</u> on <u>6/2/2021</u> I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate. Signature: <u>[Signature]</u> Date: <u>OCT 16 2021</u> STEVEN J. VANANTWERP 999996931 Piper Aircraft, Inc.
Total To Carry Forward		20.3		

Registration No. N762VA

and Remarks	Signature	Certificate No.																												
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) 60089-2. The settings for this aircraft are: Tipgrams +/- 1/2 <table><tr><th>POWER</th><th>STALL WARNING</th><th>FLAPS</th><th>TIP GRAMS ACTUAL SETTINGS</th></tr><tr><td>OFF</td><td>Full Up 0°</td><td></td><td>+ 3.4</td></tr><tr><td>OFF</td><td>10° - 20°</td><td></td><td>+ 1.7</td></tr><tr><td>OFF</td><td>Full Down 36°</td><td></td><td>+ 1.7</td></tr><tr><td>ON</td><td>Full Up 0°</td><td></td><td>+ 2.7</td></tr><tr><td>ON</td><td>10° - 20°</td><td></td><td>+ 0.7</td></tr><tr><td>ON</td><td>Full Down 36°</td><td></td><td>+ 0.7</td></tr></table> Signed: <u></u> STEVEN J. VANANTWERP 999996931 PIPER AIRCRAFT, INC.  Piper Date: <u>9/29/21</u> Tach: <u>15.5</u> Engine TSN: <u>0.0</u> Replaced Engine S/N: <u>14583-61A</u> with New Engine S/N: <u>14608-61A</u> following Piper Aircraft Production Procedures.	POWER	STALL WARNING	FLAPS	TIP GRAMS ACTUAL SETTINGS	OFF	Full Up 0°		+ 3.4	OFF	10° - 20°		+ 1.7	OFF	Full Down 36°		+ 1.7	ON	Full Up 0°		+ 2.7	ON	10° - 20°		+ 0.7	ON	Full Down 36°		+ 0.7		
POWER	STALL WARNING	FLAPS	TIP GRAMS ACTUAL SETTINGS																											
OFF	Full Up 0°		+ 3.4																											
OFF	10° - 20°		+ 1.7																											
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ON	10° - 20°		+ 0.7																											
ON	Full Down 36°		+ 0.7																											

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2021

Airframe

N762VA

Model: PA-46-350P

S/N: 4636785

Date: 16 December 2021



Hobbs Time: 62.5
Total Time: 62.5
Landings:
Work Order: S-21-00423

Complied with first 50 hour inspection items per Piper Inspection Guide 765-040.
Complied with first 25 hour and first 50 hour inspections Piper AMM 761-876 Ch. 5-30-00.
Complied with 50 hour/ 90 day fuel filter cleaning and inspection per Piper AMM 761-876, Ch. 05-30-00.
Installed Piper aircraft, Kit Brace Installation using Piper drawing # 88714 kit 136-11 rev E.
Applied BLK 25 GM, 3M AC251 B1/2 sealant to emergency exit window seal as required.
Installed Battery Minder Airframe Installation Kit as per Enhanced Flight BM-AIK2A and MB-AIK1 Installation Instructions Document 752-647D 20190308. This installation was evaluated and determined to be a minor alteration.
Adjusted aileron cable tension to within limits per Piper AMM 761-876 Ch. 27-00-00.
Adjusted elevator cable tensions to within limits per Piper AMM 761-876 Ch. 27-00-00.
Installed nose wheel turn limit placard kit P/N 88582-701 per Piper AMM 761-876 Ch. 11-00-00 and Piper DWG# 88582.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 are on file under the above work order.

Signed

Olathe KS 66062 (913) 782-0530

FAA Repair Station #AMYR171C

Airframe

N762VA

Model: PA-46-350P

S/N: 4636785

Date: 16 December 2021



Hobbs Time: 62.5
Total Time: 62.5
Landings:
Work Order: S-21-00432

Adjusted squat switch per Piper AMM 761-876 Ch. 32-60-00.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 are on file under the above work order.

Signed

Olathe KS 66062 (913) 782-0530

FAA Repair Station #AMYR171C

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303)-799-8386
N762VA Piper PA-46-350P S/N: 4636785 Aircraft Total Time: 66.6

23 December 2021 Hobbs: 66.6

Inspected current limiters with reference to Piper Service Bulletin 2000. Found the limiters were reversed. Removed both limiters and tested. Both tested good. Reinstalled in the proper locations using the PA-46-350 Maintenance Manual and Piper Service Bulletin 2000.

Scott L. Utz A&P A&P3442269 w/o 42954

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N762VA Piper PA-46-350P S/N: 4636785 Aircraft Total Time: 74.4

8 April 2022 Hobbs: 74.4

Complied with Piper Service Letter 1304 (G1000 NXi Software Update) by updating the G1000NXi system software from version 2783.07 to version 2783.08 per kit 88711 service instructions. System load options as follows: System ID 25D095525, PA-46-350P Baseline Software, Configuration B (#1 GTX345 with GTS and Flightstream, De-ice Installation, Enhanced AFCS Support, Flight Stream 510, Speedbrake Installation, GDL 69 SXM, WX-500 Storm Scope, True Blue Inverter, GWX 75, Battery Off, GMU44B. Unlocks: SVT 2PFD's, Enhanced AFCS, TAWS-B, Chartview, Surface Watch, GWX 75. Software Load Confirmation completed, system check out completed. All operations checked good. Bled both brakes as needed, Serviced the brake reservoir

Scott L. Utz A&P3442269

w/o 43193

DATE: 11/7/2022
A/C TSN 1286
HOBBS 1286

Piper Aircraft, Inc.

2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-567-4361

MAKE: Piper
MODEL: PA46-350P
S/N: 4636785
REG NO: N762VA
WORK ORDER:
4487-11-2022

Airframe Entries

Complied with annual inspection using scheduled maintenance inspection sheet in Piper M/M 761-876, chapter 5-20-00. Installed new induction air filter p/n 561-020. Installed new brake calipers p/n 551-725. Complied with Piper Drawing Number 88723. Acoustical muffler installation kit. AD's checked thru ATP Rev. 11/3/2022.... Checked fire extinguisher. Drained and flushed fuel filter. Tested ELT per chapter 25-60-00. Conducted initial battery capacity check. Performed landing gear retraction and emergency functional test. Return to service flight acceptable.

Maintenance Release

The aircraft and/or component(s) on N762VA was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station, ZPAR410X, under Work Order No. 4487-11-2022.
Dated: 11/7/2022

DATE: 11/7/2022

SIGNED:

Work Order: 4487-11-2022

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ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

N762VA Piper 46-350P SN: 4636785 ACTT: 169.3

March 14, 2023

GTS 800 Traffic System fails when switched into Operate mode. Found to be a fault with the top traffic antenna. Removed top GA58 TNC traffic antenna 011-01346-02, SN: 2JC009563, Installed top GA58 TNC traffic antenna 011-01346-02, SN: 2JC011167. GTS 800 Traffic system Ops check good.

The aircraft and/or component identified above has been inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed: 

AV-04861

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N762VA Piper PA-46-350P S/N: 4636785 Total Time: 178.0

29 March 2023 Hobbs: 178.0

Repaired loose spade connection for the yellow wire #5 CHT probe. Rewrapped connections and secured.
Ground run up and operational check good.

w/o 44186

Scott L. U & A P3442269

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N762VA Piper PA 46-350P S/N: 4636785 Airframe Total Time: 226.4

1 December 2023 Hobbs Meter: 226.4

100 Hour/Annual Inspection completed this date using the Piper PA46-350P Maintenance Manual, Chapter 5-20-00, 5-30-00 as a guide. The checklist contains the scope and detail of FAR 43 Appendix D Inspected / Tested Artex ELT 1000 system according to applicable Aircraft and ELT manufacturer's instructions and found that it meets the requirement of section 91.207(d). No defect noted, Beacon Test Report No. BT100A Vtriple/3195/ N762VA, dated 11/08/2023 on file. ELT battery replacement due September 2027. Installed new Concorde RG24-20 battery S/N: 41338702. Completed 50 Hr, 250 Hr, 30-day, 90-day, 4 Mo, 6 Mo, 12 Mo special inspection items. Placed aircraft on jacks and performed landing gear retraction and extension tests. Checked gear warning system, lights, clearances, and emergency extension system. Cleaned, inspected and repacked all wheel bearings using Mobile SHC 100 grease. Operated landing gear through at least five fault free cycles. All landing gear operations were normal. Completed 100 hour / Annual lubrication chart. Inspected, cleaned and resealed fuel strainer. Cleaned Donaldson induction air filter and inspected. Inspected cabin fire extinguisher for condition and security and performed 30 days cabin fire extinguisher weight check. weight check 2 pounds 6.7 ounces / 1099 grams. Adjusted aileron cable, rudder cable, elevator trim cable, pitch bridle cable and yaw bridle cable tension as needed. Tightened main gear torque links. Repositioned right flap actuator boot to prevent chafing. Secured fresh air door rod end bolt. Installed new fuel pump and battery master switch bulbs P/N: GE85. Lubricated control cable pressure seals.

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N762VA Piper PA 46-350P S/N: 4636785 Airframe Total Time: 226.4

(Page 2 of 3)

1 December 2023 Hobbs Meter: 226.4

Cleaned flap tracks. Resealed right wing fuel drain. Secured left wing navigation light wiring tie block. Adjusted #5 and #6 seat recline actuators. Secured Velcro to carpet as required. Touched up paint chips as needed. Installed one new static wick P/N: 17224-3. Installed new vacuum regulator filters P/N: ARB3-5-1. Completed 24 Month Magnetometer and Magnetic Compass Calibration Checks. All readings are found to be within limits. Completed 100-hour Garman G1000 system inspection, no discrepancies noted. Complied with Garmin SB 22117 (Cable Retention Pins) by installing new cable retention pins. Complied with 2 Year / 500 Hour Fuel Strainer and Probe Inspection, no defects noted. Complied with Piper SL 1069 (Flight Control Cable Inspection) by visual inspection of control cables, no corrosion or defects noted. Complied with Piper SL 1131A (Aileron Sector Bearing Lubrication) by cleaning and lubricating aileron sector bearing per Service Letter. Complied with Piper SL 1135 (Control Cable/Pulley Inspection) by visual inspection of control cables and pulleys per Service Letter, no defects noted. Complied with Piper SL 1286D (Nose Landing Gear Steering) by inspection of nose landing gear steering. Adjusted nose gear rake angle, steering roller, clearance, nose gear door sequence valve actuation. Complied with Piper SL 1314 (Oxygen Generator Inspection) by verifying removal of protective covers, condition of percussion caps. All three generators have DOM: July 2020. Complied with Piper SL 1315 (Elevator Trim Tab Pushrods) by installing replacement elevator trim tab pushrods forward rod PN: 82998-013 and aft rod P/N: 82836-007 per SL 1315. This eliminates the 5-year recurring corrosion inspections on elevator trim pushrods only. Complied with Piper SB 1364A (Fuel Quantity Check, Part II) by checking of all probes when empty and checked calibration of tanks. Complied with Piper SB 1390 (Nose Landing Gear Down Spring Inspection) by dimensional inspection of down spring. Determined spring wire diameter to be conforming. No further action required. Complied with Piper SL 1304A (G1000Nxi Software Update 2783.10) by updating system software from version 2783.08 to version 2783.10 per drawing 88711 Rev A. Option loaded as follows: PA 46-350P baseline software, Configuration B GTX 345 with GTS and Flightstream, De-ice Installation, Enhanced AFCS Support, GDL 69 SXM, WX-500 Storm Scope. True Blue Inverter, Pulse Oximeter. Flight Stream 510, Speedbrake Installation, GWX 75, Battery Off, GMU 44B, CO Detector, Unlocks; Chartview, SVT, TAWS, Enhanced AFCS, Surface Watch, GWX 8000 Enablement. Completed system check out.

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

Airframe Total Time: 226.4

N762VA Piper PA 46-350P

S/N: 4636785

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1 December 2023 Hobbs Meter: 226.4

Piper AD 2021-09-02 (Non-Conforming Stall Warning Heat) not applicable by no history of left wing replacement, serial number not listed in Service Bulletin. Garman AD 2022-03-15 (Fuel Quantity Indicator) not applicable by equipment. AD 2023-09-09 (V-Band Clamps) not applicable by riveted tail pipe v-band clamps installed. AD's checked through Bi-weekly 2023-24. Cleaned aircraft exterior, cleaned windshield and cabin windows and vacuumed seats and interior. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR / ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Aaron Peter Villery A&P 3224687 IA w/o 44721

ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289

December 1, 2023

N762VA Piper 46-350P SN: 4636785 ACTT: 226.4
#1 Garmin GDC-72 PN: 011-03734-00, SN: 45S003178 has been tested and inspected per FAR 91.411
Part 43 Appendix E to 35K'. See our 8130-3 issued this date. #2 Garmin GDC-72 PN: 011-03734-00, SN: 45S003252 has been tested and inspected per FAR 91.411 Part 43 Appendix E to 35K'. See our 8130-3 issued this date. Aircraft Pitot and Static systems have been tested per FAR 91.411 Part 43 Appendix E. Aircraft Static system was tested to 7000' with <20' leak per minute. Pitot system was tested to 150 kts with no leaks. The ATC Transponder test and inspection required by FAR 91.413 was performed on the Garmin GTX 345 011-03303-01, SN: 3EH041242 transponder and found to comply with FAR Part 43 Appendix F. Details of this test and inspection are on file at this Repair Station.

The aircraft and/or component identified above has been inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

AV-04973

FAA CRS ZL6R006Y Signed: [Signature]

AIRCRAFT LOG

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N762VA Piper PA-46-350P S/N: 4636785 Aircraft Total Time: 226.2

5 December 2023 Hobbs: 226.4

Complied with Piper Service Bulletin 1411 (Autopilot Rigging Inspection) by inspection of cables on servo capstans. All cable routing found to be correct.

Scott L. Utz A&P3442269

Airframe

Model: N762VA
PA-46-350P
S/N: 4636785
Date: 15 March 2024



Hobbs Time: 229.3
Total Time: 229.3
Landings:
Work Order: S-24-00072

Removed GTS Processor P/N 011-02571-00, S/N 28P009719 and installed OVERHAULED GTS Processor P/N 011-02571-00, S/N 28P008834 per Piper AMM 761-876 Ch. 34-25-02. Unit was overhauled by Garmin International, FAA CRS #G6XR582Y under their WO #16912436.

Removed TCAS Antenna P/N 011-01346-02, S/N 2JC011167, and installed NEW TCAS Antenna P/N 011-01346-02, S/N 2JC012095, along with NEW TNC connectors P/N 602-929 on GTS Processor P1, P3, P5 and P7 TCAS Antenna connections per Piper AMM 761-876 Ch. 34-25-02.

Removed lift transducer P/N C-5207-2, S/N 187434-02 and installed OVERHAULED unit P/N C-5207-2, S/N 1012, and performed unit force calibration on aircraft per Piper AMM 766-876 Ch. 27-30-00. Unit overhauled by Safe Flight Instrument LLC, FAA CRS #QA1R419K under their WO #52400.

Removed pilot side flood light dimmer switch P/N: 681-029 and installed NEW switch P/N 681-029 per Piper AMM 761-876 Ch. 33-10-00. **AD 2023-25-12**, effective date 19 Dec 2023 N/A by aircraft S/N, per para 2. (c).

Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 are on file under the above work order.

Signed

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Carry Forward

Airframe

N762VA
Model: PA-46-350TP
S/N: 4636785
Date: 18 April 2024



Hobbs Time: 229.3
Total Time: 229.3
Landings: 2
Work Order: S-24-00182

Complied with Piper SB 1404 flap drive bracket inspection per SB instructions.
Complied with Piper SB 1410A Vertical stabilizer installation improvement by removing existing vertical stabilizer attach bolts and installing new bolts P/N: NAS6606-7 (qty. 4) and P/N NAS6606-8 (qty. 2) with new nuts P/N: MS-21042L6 (qty. 6) per SB instructions.

Accomplished all required operational and functional checks with satisfactory results.
The Aircraft 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 are on file under the above work order.

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Signed

Airframe

N762VA
Model: PA-46-350P
S/N: 4636785
Date: 07 August 2024



Hobbs Time: 231.2
Total Time: 231.2
Landings: 2
Work Order: S-24-00553

Complied with 12 month Garmin GI 275 standby instrument inspection per Piper AMM 767-876, Ch. 34-24-01.
Accomplished all required operational and functional checks with satisfactory results.

The Aircraft 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 are on file under the above work order.

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Signed

AIRCRAFT LOG



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

Registration N762VA
Model PA-46-350P
Serial 4636785
Hobbs 256.9
Date 10/2/2024

AIR FRAME
AFTT 256.9

1 C/W SL1286D BY INSPECTING THE NOSE LANDING GEAR RAKE ANGLE, CLEARANCE BETWEEN STEERING ARM AND STEERING HORN ROLLERS, ALIGNMENT, AND RUDDER CABLE TENSIONS.

2 INSTALLED STC SA04364NY BERINGER WHEEL AND BRAKE KIT PER ICA-STC-017 REVISION C. RESEALED MAIN STRUTS (PN: 187-628 X 2, 485-082 X 2, MS28775-227 X 2). RESEALED NOSE STRUT (PN: 187-630, MS28782-30, MS28775-327, MS28775-229). INSTALLED NEW TIRES- MAIN TIRES (PN:606T86-3 X 2) NOSE TIRE (PN: 505T08-1). SERVICED STRUTS WITH MIL-H-5606A AND NITROGEN. BLED BRAKES AND SERVICED RESERVOIR WITH MIL-PRF-87257 IAW BERINGER MANUAL. PERFORMED LANDING GEAR OPERATIONAL CHECK. PERFORMED BRAKE CONDITIONING PER SECTION 6 OF ICA-STC-017. INSTALLED SENSAR IN ACCORDANCE WITH MM-08-001 REV O DATED 10 MAY 2021. WEIGHT AND BALANCE UPDATED. FORM 337 FILED.

3 INSTALLED MALIBU AEROSPACE M1 COOLING KIT IN ACCORDINANCE WITH STC SA01896CH, SEE 337 DATED 9/24/2024 FOR FURTHER INFORMATION. NEGLIGIBLE WEIGHT AND BALANCE.

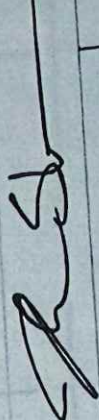
Registration No. _____

Page 2 of 2

4 INSTALLED NEW MAIN LANDING GEAR DOORS P/N LEFT 83654-002 AND RIGHT 83654-003. TRIMMED TO FIT AND PAINTED UTILIZING STANDARD AIRFRAME PRACTICES.

5 ADJUSTED FUEL CAP LATCH FOR CORRECT OPERATION.

Josh Shea (License: A&P 2771911 IA)



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Airframe log entry (01-02-2025) N762VA PA46-350P S/N 4636785 HM and Aircraft total time 280.8

Inspected aircraft per MAS PA46-350P inspection guide. Performed ICA special inspections. Researched AD notes through FAA biweekly 2024-25. Adjusted nose steering roller clearance. Replaced nose gear down spring PN: 487-399. Installed new lower steering placard PN: 88582-702. Bled brake system and serviced brake reservoir. Re-sealed both LH and RH main landing gear struts with kits PN: 485-082 and O-rings PN: MS28775-227. Replaced all three landing gear torque link bushings PN: 452-857 and PN: 67026-007. Serviced hydraulic powerpack and performed landing gear retraction checks in normal and emergency operations. Operations are satisfactory. Replaced mounting hardware on top vacuum pump and sealed with RTV. Replaced oil line protector strip PN: TOLPS. Re-positioned de-ice valve and applied anti chafe tape to engine mount. Replaced nut plate broken on RH lower cowl. Installed radome erosion boot PN: PM158. Touched up vertical and horizontal deice boot sealant. Re-sealed edge sealant to RH lighting diverter. Installed flaps anti chafe tape. Replaced nose baggage door chafe tape. Pilot's seat cushion is leaning to center. Tightened both middle seat head rests hardware. Leak checked AC system ok. Serviced AC system to 2.5lbs R134A refrigerant. Cleaned AC evaporators. C/W FAR 91.207(d) ELT inspection and test. No defects noted. Next battery replacement due: Sep 2027. C/W 1 year Main ship battery cap check: Passed @ 98.7%. C/W 2 year Magnetometer calibration. C/W 5 year Horizontal stab and wing attachment inspection and treatment, replaced RH trim push rod PN: 82836-007. C/W 400 hour Surface de-ice control valve cleaning. C/W Piper SL 1131 Aileron sector lubrication. C/W Piper SL 1135 Cable and pulley inspection. No defects noted. C/W Piper SL 1183 Elevator bracket inspection, no defects noted. C/W Piper SB 1286D Nose landing gear components inspection. No defects noted. C/W Piper SB1392A Fuselage frame 282.0 inspection, nothing abnormal noted. C/W Piper SB 1404 Flap Drive Bracket Inspection, nothing abnormal noted. Performed engine Run up and operational checks. Operations are satisfactory.

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in airworthy condition.

Sebintu Elisha

[Signature]

IA3901475

Registration No. _____

Certificate No. _____

Signature _____

and Remarks

Page 1 of 1

**MALIBU
AEROSPACE**

Registration N762VA

Model PA-46-350P

Serial 4636785

Hobbs 283.8

Date 1/30/2025

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

AIR FRAME

AFTT 283.8

1 INSTALLED NEW REVISION OF BERINGER MAIN AXLES (PN: AV-PER-211(A) X 2),
SPACERS (PN: AV-PER-202(B) X 2), AXLE WASHERS (AV-PER-213 X 2) AND
ASSOCIATED HARDWARE IAW STC# SA04364NY.

2 BLED THE LH AND RH BRAKES. SERVICED THE BRAKE RESERVOIR WITH MIL-PRF
-87257 HYDRAULIC FLUID.

3 RESEALED LEFT AND RIGHT MAIN LANDING GEAR OLEO STRUTS USING O-RINGS
(PN: MS28775-227 X 2) SEALS (PN: 485-082 X 2) AND WIPERS (PN: 187-628 X 2).

4 TORQUE CHECKED AND SAFETIED LOWER LANDING GEAR ACTUATOR BOLTS.

Gabriel Robideau (License: A&P 4719881) *Gabriel Robideau*

AIRCRAFT LOG

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80111 (303) 799-8386

N762VA Piper PA-46-350P S/N: 46367855 Aircraft Total Time: 309.1

9 May 2025 Hobbs: 309.1

Complied with Piper Service Letter 1338A (G1000 NXi Software Update 2783.43). by updating system software from 2783.10 to 2783.43 per service kit instructions. P/N: 88749 Rev A. Updated GIA boot block to 2.04 then completed software load. Loaded base software, GMA boot Block, Configuration B GTX345, GTS, Flightstream, GMU44B, CO Detector, Flight Stream 510, Pulse Oximeter, Tru Blue Inverter, Battery Off, De-ice, Enhanced AFCS, GDL 69 SXM, Speedbrake, WX-500 Storm Scope, GWX 75, Disable FliteCharts, Unlocks; Chartview, SVT, TAWS, Enhanced AFCS, SurfaceWatch, GWX 8000 Enablement (Auto GCS, & TD). System check out was good.

w/o 46062

Scott L. Ortiz A&P34442269



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Airframe log entry (10-17-2025)

N762VA PA46-350P S/N 4636785 HM and Aircraft total time 376.4

Performed additional fuel filler opening and installed fuel caps IAW STC SA00859AT installation instructions. Performed fuel calibration. Performed Garmin G5 standby instrument capacitance check, charged battery to 100%. Replaced mounting hardware on fuel selector access panel on bottom of RH mounting. Performed paint repairs by TB paint. Performed engine Run up and operational checks. Operations are satisfactory.

I certify that the work performed on this aircraft has been completed satisfactorily and was found to be in airworthy condition.

Raydel Acosta

IA 3202782

Registration No. _____

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
PA-46-350P S/N: 4636785 Aircraft Total Time: 397.5

N762VA Piper

Hobbs: 397.5

25 November 2025

Left from left side static port directly on unit was over
Verified static leak for the pressurization controller. P/N: 455-380 / 107813-
3,000 ft/mon. Removed P/N: 107813-001, S/N 05582 and installed new controller per 21-30-00 CPCS lines leak
001, S/N: 05464. Leak checked both static ports with less than 5 ft/min leak per 21-30-00 CPCS lines leak
test. Scott L. Utz A&P3442269 w/o 46536

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
PA-46-350P S/N: 4636785 Aircraft Total Time: 398.6

N762VA Piper

Hobbs: 398.6

2 December 2025

Found linkage interference at the bleed air
Troubleshoot pressurization dump valve not closing completely. Found linkage interference to provide clearance for
heat exchanger linkage. Formed control bellcrank on the side of the heat exchanger to provide clearance for one
linkage. Dump valve control now able to achieve full travel and closes completely. Secured nut for one
wire pass through on the right upper forward pressure bulkhead. Secured low pressure switch right side
forward baggage compartment. Sealed hole in the aft lower cabin door seal with sealant. w/o 46556
Scott L Utz A&P3442269

d fuel
dware
ip and

tion.



AIRCRAFT LOG

12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Airframe log entry (02-02-2026)

N762VA PA46-350P S/N 4636785 HM and Aircraft total time 403.0

Inspected aircraft per MAS PA46-350P inspection guide. Performed ICA special inspections. Researched AD notes through FAA biweekly 2026-02. Adjusted nose steering roller clearance. Adjusted free fall valve rigging. Performed brake system bleed and serviced brake fluid reservoir. Serviced hydraulic powerpack and performed landing gear retraction checks in normal and emergency operations. Operations are satisfactory. Installed anti chafe tape to top cowlings. Installed wheel well bumpers PN: 63078-034. Replaced upper cabin door guide pin PN: 84858-003. Replaced cabin door seal with kit PN: 88440-002. Lubed both middle seats seatbelt reels. Adjusted LH bench seat backrest locking mechanism. Cleaned the cabin drain holes as required. Leak checked AC system. Serviced AC system to 2.5lbs R134A refrigerant. C/W 1 year FAR 91.207(d) ELT inspection and test. No defects noted. Next battery replacement due: Sep 2027. C/W 1 year Main ship battery cap check, passed @ 106.3%. C/W 1 year Garmin G-275 Standby instrument battery test, passed. C/W Piper SL 1131 Aileron sector lubrication. C/W Piper SL 1135 Cable and pulley inspection. Adjusted cable tensions as required. C/W Piper SL 1183 Elevator bracket inspection, no defects noted. C/W Piper SB 1286D Nose landing gear components inspection. No defects noted. C/W Piper SL 1297 Rudder tube assembly inspection. Nothing abnormal noted. C/W Piper SB 1425 Emergency exit door inspection. Nothing abnormal noted. Performed engine Run up and operational checks. Operations are satisfactory.

I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in airworthy condition.

Raydel Acosta

IA 3202782

Total To
Carry Forward

Registration No. _____

ARAPAHOE AERO AVIONICS

12780 E Control Tower Road Englewood, CO 80112 303.799.6289
February 3, 2026

N762VA Piper 46-350P SN: 4636785 ACTT: 407.1

12780 E Control Tower Road Englewood, CO 80112 303.799.6289
February 3, 2026
N762VA Piper 46-350P SN: 4636785 ACTT: 407.1
#1 Garmin GDC-72 PN: 011-03734-00, SN: 45S003178 has been tested and inspected per FAR 91.411
#2 Garmin GDC-72 PN: 011-03734-00, SN: 45S003252 has been tested and
inspected per FAR 91.411 Part 43 Appendix E to 25K'. Garmin GI-275 PN: 011-04489-10, SN:
5MZ103399 standby altimeter has been tested and inspected per FAR 91.411 Part 43 Appendix E.
inspected per FAR 91.411 Part 43 Appendix E to 25K'. Garmin GI-275 PN: 011-04489-10, SN:
5MZ103399 standby altimeter has been tested and found to comply with FAR Part 43 Appendix E.
Aircraft Pitot and Static systems have been tested and found to comply with FAR Part 43 Appendix F and FAR
The ATC Transponder test and inspection required by FAR 91.413 was performed on the Garmin GTX 345
011-03303-01, SN: 3EH041242 transponder and found to comply with FAR Part 43 Appendix F and FAR
91.227 performance requirements. Details of this test and inspection are on file at this Repair Station.
Updated Garmin GI-275 PN: 011-04489-10, SN: 5MZ103399 from main system software version 2.20 to
version 3.42 in accordance with Garmin TSO Service Bulletin 25030A.

AV-05334

The aircraft and/or component identified above has been inspected in accordance with the current
maintenance rules of the Federal Aviation Regulations and is approved for return to service.

FAA CRS ZL6R006Y Signed: 

IL.COM

biweekly 2026-02.
reservoir. Serviced
ctory. Installed anti
replaced cabin door
ined the cabin drain
ection and test. No
year Garmin G-275
nspection. Adjusted
ng gear components
425 Emergency exit

y condition.

AIRCRAFT LOG

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N762VA Piper PA-46-350P S/N: 4636785 Aircraft Total Time: 407.1

05 February 2026 Hobbs: 407.1

Placed aircraft on jacks and removed right main wheel assembly. Removed lower brake caliper. Installed new caliper pistons, P/N: PSE-004(A), and seals, P/N: JNT-006(A). Installed all right wheel brake linings, P/N: PO-110.1(A). Reassembled and bled brakes as needed. Conditioned linings in reference to Beringer Maintenance Manual.

L. John Wells A&P3221132

w/o 46711

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N762VA Piper PA-46-350P S/N: 4636785 Aircraft Total Time: 449.1

29 September 2026 Hobbs: 449.1

Removed right middle fuel tank probe P/N: 481-506, S/N: DT2072T and installed a new fuel probe P/N: 481-506, S/N: DTCE564. Completed fuel calibration right side per 28-40-00. Completed full range accuracy check after calibration to verify readings. All readings checked within published limits. Piper SB 1140B (Oxygen Generator Protective cap and tube removal) complied with by visual inspection, no defects found.

Michael J. Nigro A&P3443131

w/o 47293

Total To
Carry Forward

New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number ENPL-10844
Serial Number L-14608-61A
Engine Model TIO-540-AE2A
Work Order KM784747
Total Time 0

Charles Hess 8/31/21
Authorized Representative Date

Production Certificate #3

652 Oliver Street Williamsport, PA 17701 U.S.A.
Lycoming Engines is a division of Avco Corporation

Form 77C Rev 05/13

LYCOMING

LYCOMING, WILLIAMSPORT, PA

Horsepower: 350

Model: TIO-540-AE2A FAA T. C. No. E14EA

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	Date: 9/29/21	Tach: 15.5	Engine TSN: 0.0	
	Replaced Engine S/N: L-14583-61A with			
	New Engine S/N: L-14608-61A following Piper Aircraft Production Procedures			
	Signed:  STEVEN J. VANANTWERP 999996931 PIPER AIRCRAFT, INC.			

Engine

N762VA
Model: TIO-540-AE2A
S/N: L-14608-61A
Date: 16 December 2021



Hobbs Time: 62.5
Total Time: 47.0
Cycles:
Work Order: S-21-0023

Complied with 50 hour inspection items per Piper Inspection Guide 767-013.
Complied with first 25 hour and first 50 hour inspections Piper AMM 761-876 Ch. 5-30-00.
Complied with 50 hr. engine oil and filter replacement. Drained oil, removed filter and oil suction screen, inspected for contaminants, none noted. Installed new oil filter CH48103-1 and suction screen gasket MS35769-21. Serviced engine with 11 quarts of Phillips 20W50 X/C oil. Torqued nuts on propeller governor per Piper AMM 761-876 Ch. 61-20-00.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

The Engine 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 are on file under the above work order.

Signed  Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

ENGINE MODEL
TIO-540-AE2A
ENGINE S/N: L-14608-61A
REG NO: N762VA
WORK ORDER
4487-11-2022

DATE: 11/7/2022
A/C TSN: 128.6
ENG TT:
HOBBS: 128.6

Piper Aircraft, Inc.

2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-567-4361

Engine Entries

Performed 100HR/annual inspection on engine using scheduled maintenance inspection sheet in Piper MM 761-876, chapter 5-20-00. Compression test #1 76/80, #2 77/80, #3 77/80, #4 78/80, #5 78/80, #6 77/80. Drained engine oil. Checked oil filter for contamination. None found. Serviced engine with 12 qts Phillips X/C 20w50. Installed new oil filter CH48103-1. Checked suction screen. Cleaned and gapped spark plugs.

Maintenance Release

The aircraft and/or component(s) on N762VA was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station, ZPAR410X, under Work Order No. 4487-11-2022.
Dated 11/7/2022.

DATE: 11/7/2022

SIGNED:



Work Order: 4487-11-2022

Printed by EBis 3 (datamedia.com)

ARAPAHOE AERO

12760 EAST CONTORL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N762VA Lycoming TIO-540-AE2A S/N: L-14608-61A Total Time: ~~169.3~~ 153.8
14 March 2023 Hobbs: 169.3

Changed engine oil and filter (Phillips X/C). Cut oil filter open and inspected, no contaminants noted.
Checked and cleaned #5 fuel nozzle. Sealed small gaps in rubber baffles with sealant as needed. Adjusted manifold pressure down 1/2 turn. Ground run up, leak check and operational check good.

w/o 44099

Scott L. Utz A&P3442269

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303-799-8386
N762VA Lycoming TIO-540-AE2A S/N: L-14608-61A Total Time: ~~217.5~~ 202
25 September 2023 Hobbs: 217.5
Changed engine oil and filter (Phillips X/C). Cut oil filter open and inspected, no contaminants noted.
Ground run up and leak check good.

Aaron Perer Villery A&P3224687

[illegible]

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N762VA Lycoming TIO-540-AE2A S/N: L-14608-61A Total Time: 210.9

1 December 2023 Hobbs Meter: 226.4

100 Hour Inspection for Annual completed this date using the Piper Maintenance Manual, Chapter 5-20-00, 5-30-00 and Lycoming Service Instructions as a guide. The checklist contains at least the scope and detail of FAR 43 Appendix D. Compression test: #1) 78/80, #2) 76/80, #3) 78/80, #4) 76/80, #5) 77/80, #6) 77/80. No oil or filter change this inspection. Checked and adjusted timing of left and right magnetos to engine. Cleaned, inspected, gapped, tested, and rotated spark plugs. Repaired #1 lower spark plug lead. Inspected and cleaned oil suction screen, no contaminants noted. Inspected and lubricated throttle, mixture and propeller governor controls, operational check good. Rerouted vacuum pump duct to prevent chafing on exhaust. Repositioned de-ice brush block. Cleaned engine breather build up on exhaust. Calibrated oil dipstick and provided conversion chart. Removed propeller and installed new crankshaft seal. Reinstalled propeller using new seal and original hardware. Complied with Lycoming SB 521 (Exhaust Inspection) by inspecting exhaust heat shields, cross-over exhaust pipe engagement, flange at V-band clamp for cracks and deformation as outlined in Service Bulletin. **Next inspection due December 2024 or Hobbs Meter: 476.4.** Complied with Lycoming SB 531 (Turbo Charger Inspection) by inspection of left and right turbocharger systems and clamps as outlined in Service Bulletin, no defects noted. **Next inspection due December 2024 or Hobbs Meter: 476.4.** Complied with Lycoming AD 2015-19-07 (Fuel Injection Lines) effective 11-03-2015 by inspecting fuel injection lines and clamps per Lycoming. MSB 342G, no defects noted. **Next inspection due Hobbs Meter: 336.4. AD 2023-09-09 (V-Band Clamps)** not applicable by riveted tail pipe v-band clamps installed. Washed engine, nose gear and lower cowlings with solvent. Engine ground run-up, operational check and leak check good. AD's checked through Bi-weekly 2023-24. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**

 Aaron Peter Villery A&P 3224687 w/o 44721

Mile High Aircraft Services

Date 09/12/24 A/C Reg. 37625 Astra Way Watkins, CO 80137 303-261-4111
ENGINE Eng S/N: N762VA Hobbs 253.7 Tach N/A
L-14608-61A TSMOH N/A ETT N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter.
P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger

A&P 2755080 IA

Mile High Aircraft Services

Date 11/14/24 A/C Reg. 37625 Astra Way Watkins, CO 80137 303-261-4111
ENGINE Eng S/N: N762VA Hobbs 278.3 Tach N/A
L-14608-61A TSMOH N/A ETT N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter.
P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger

A&P 2755080 IA

Total To
Carry Forward



Engine log entr:
N762VA Engine

Inspected engine pe
70/80, #2 78/80, #:
leads. Applied RTV
Removed and prof
replacement with f
paragraph G1, ame
and performed en

I certify that this e
Sebintu Elisha

Mile High

Date 03/

EN

Drained oil f
P/N CH4810

This aircraft
accordance

Adam Het

-261-4111

ew oil filter,
ent to AvLab.

in

-261-4111

ew oil filter.
ent to AvLab.

1 in



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Engine log entry (01-02-2025)

N762VA Engine TIO540-AE2A S/N L-14608-61A HM & Engine total time 280.8

Inspected engine per MAS PA46-350P inspection guide. Cleaned, gapped, and tested all Spark plugs. Performed compression tests. Results: #1 70/80, #2 78/80, #3 76/80, #4 76/80, #5 77/80, #6 75/80. Performed magneto timing to correct settings. Installed stand off tube on ignition leads. Applied RTV to rocker cover screws. Replaced baffle screws underneath starter. Stop drilled FWD RH baffle crack under deice brush block. Removed and properly stacked VAPC washers. Replaced fuel pressure transducer cannon plug safety wire. C/W AD 2011-06-10 TIT probe replacement with piper unit PN: 686-216. C/W AD 2015-19-07 Fuel Injection line inspection. C/W Lycoming AD 2024-21-02 reoccurring paragraph G1, amendment 39-22869. C/W Lycoming SB 521 Exhaust inspection, re-installed correctly lower crossover heat shield. Cleaned Engine and performed engine run up and operational checks. Operations satisfactory.

I certify that this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition. IA3901475

Sebintu Elisha

Mile High Aircraft Services

37625 Astra Way

Watkins, CO 80137

303-261-4111

Date 03/21/25 A/C Reg. N762VA Hobbs 299.3 Tach N/A
Eng S/N: L-14608-61A TSMOH N/A ETT N/A

ENGINE Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter. P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W/50 Victory oil. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger A&P 2755080 IA

Mile High Aircraft Services

37625 Astra Way

Watkins, CO 80137

303-261-4111

Date 06/17/25

A/C Reg.

N762VA

Hobbs

327.4

Tach

N/A

ENGINE

Eng S/N:

L-14608-61A

TSMOH

N/A

ETT

N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter, P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger

A&P 2755080 IA

Mile High Aircraft Services

37625 Astra Way

Watkins, CO 80137

303-261-4111

Date 08/19/25

A/C Reg.

N762VA

Hobbs

344.3

Tach

N/A

ENGINE

Eng S/N:

L-14608-61A

TSMOH

N/A

ETT

N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter, P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil and 12 oz of Cam Guard. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger

A&P 2755080 IA

Total To
Carry Forward

111
filter,
AvLab.

Mile High Aircraft Services

37625 Astra Way

Watkins, CO 80137

303-261-4111

Date 09/25/25 A/C Reg. N762VA Hobbs 373.8 Tach N/A
ENGINE Eng S/N: L-14608-61A TSMOH N/A ETT N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter, P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil and 12 oz of Cam Guard. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

A&P 2755080 IA

Adam Hettinger

51-4111



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Engine log entry (02-02-2026)

N762VA Engine TIO540-AE2A S/N L-14608-61A HM & Engine total time 403.0

Inspected engine per MAS PA46-350P inspection guide. Cleaned, gapped, and tested all Spark plugs. Performed compression tests. Results: #1 74/80, #2 70/80, #3 73/80, #4 78/80, #5 79/80, #6 77/80. Changed oil and filter. Examined filter and suction screen for debris. No defects noted. Installed new filter and serviced engine with 11qts Phillips XC 20W-50 oil. Magnetos timed to 20°. Adjusted engine idle to 700 rpm. Adjusted idle mixture. Tightened RH intercooler FWD rubber coupler. Repaired Cyl #1 lower spark plug lead. C/W AD 2015-19-07 Fuel Injection line inspection. Due next annual or Hobbs 513.0. C/W Lycoming AD 2024-21-02 Reoccurring paragraph G1, amendment 39-22869. C/W Lycoming SB 521 Exhaust inspection. Due next annual or Hobbs 653.0. C/W Lycoming SB 531 Turbocharger inspection. Due next annual or Hobbs 653.0. Cleaned engine and performed engine run up and operational checks. Operations satisfactory.

I certify that this engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition.

Raydel Acosta IA 3202782

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N762VA Lycoming **TIO-540-AE2A** S/N: **L-14608-61A** Aircraft Total Time: **407.5**
5 March 2026 Hobbs: **407.5**

Installed a Tanis Engine Preheater P/N: TA2927-1, S/N: 260355 per STC SE03309CH. Installation instruction TNP2927 Revision G dated April 12, 2019. Completed operational check TNG 1000, operational check good. Completed FAA form 337 and submitted. Updated aircraft weight and balance and equipment list.  Scott L. Utz A&P3442269 w/o 46728

Mile High Aircraft Services

37625 Astra Way Watkins, CO 80137 303-261-4111

Date 6/17/2026 A/C Reg. N762VA Hobbs 422.2 Tach N/A
ENGINE Eng S/N: L-14608-61A TSMOH N/A ETT N/A

Drained oil from sump, removed filter, cut open filter to inspect for abnormalities, none found. Installed new oil filter. P/N CH48103-1 and filled sump with 11 quarts of Phillips 20W50 Victory oil and 12 oz of Cam Guard. Collected oil sample and sent to AvLab.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the FAA and is approved for return to service.

Adam Hettinger

 A&P 2755080 IA

Total To
Carry Forward

HARTZELL

N762VA

PROPELLER OWNER'S MANUAL



HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-I3Y1R-1N

PROPELLER S/N N4388B

N762VA

LOGBOOK # 1

Description of all operations pertaining to Airworthiness Directives,
Service Documents, Overhaul, Major or Minor Repair, and Inspections.

Date	Propeller		A/C Hrs
	TSN	TSO	

Propeller Log

Date: 8/9/21 Hobbs Time: 1.2

Aircraft S/N: 4636785 Reg. Number: N762VA

Prop Model: HC-I3Y1R-IN S/N: NY388B

Complied with Hartzell Propeller Owner's Manual 145.

6-7 THRU 6-12
Performed Lubrication of Prop by Manufacturer during Flight
Testing with NYCO GN3058 per label on Prop after 1 to 2
hours operation.

Signature: _____

Name: David T Wallace JR A&P Certificate Number: AP51627416

 **Piper**

PIPER AIRCRAFT, INC.

Propeller

N762VA

Model: HC-13Y1R-1N

S/N: NY388B

Date: 16 December 2021



Complied with 50 hour inspection items per Piper Inspection Guide 767-013.

Complied with first 25 hour and first 50 hour inspections Piper AMM 761-876 Ch. 5-30-00.

Accomplished all required operational and functional checks with satisfactory results.

The Propeller 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 are on file under the above work order.

Signed

FAA Repair Station #AMYR171C

Olathe KS 66062

(913) 782-0530

Hobbs Time: 62.5

Total Time: 62.5

Work Order: S-21-00423

PROP MODEL HC-13Y1R-1 Piper Aircraft, Inc.

PROP S/N NY388B

REG. NO: N762VA

WORK ORDER:

4487-11-2022

2926 Piper Drive

Vero Beach, FL 32960

Phone: 772-567-4361

DATE: 11/7/2022

A/C TSN: 128.6

PROP TT:

HOBBS: 128.6

Prop Entries

Performed 100HR/annual inspection on propeller using scheduled maintenance inspection sheet in Piper MM 761-876, chapter 5-20-00. Lubricated propeller per Hartzell owners manual lubrication chart, chapter 12-20-00.

Maintenance Release

The aircraft and/or component(s) on N762VA was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Repair Station, ZPAR410X, under Work Order No. 4487-11-2022. Dated 11/7/2022

DATE: 11/7/2022

SIGNED:

Work Order: 4487-11-2022

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ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N762VA Hartzell HC-13YR-1N/N7605K+2 S/N: NY38B Propeller Total Time: 226.4

1 December 2023 Hobbs Meter: 226.4 Calendar Time: 2 Year 2 Months

100 Hour Inspection for Annual completed this date using the Piper PA46-350P Inspection Report as a guide. Check list contains at least the scope and detail of FAR 43 Appendix D. Checked hub and blades. Check de-ice system. Serviced propeller with NYCO GN3058 grease. Removed propeller for installation of a new crankshaft seal. Reinstalled propeller using new seal and original hardware. Sealed ends of propeller de-ice boots. Ground run up, operational check and leak check good. AD's checked through Bi-weekly 2023-24. **I CERTIFY THAT THIS PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.**  Aaron Peter Villery A&P 3224687 w/o 44721



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRORAFT@GMAIL.COM

Propeller log entry (01-02-2025)

N762VA Propeller HC-13Y1R-1N S/N NY226B HM & Prop total time 280.8

Inspected propeller per MAS PA46-350P inspection guide. Profiled blades. Lubricated hub and painted blades Dynamically balanced propeller, final balance measurement: 0.025 in/s. Re-aligned propeller de-ice brushes. Tightened prop deice boot leads. Performed run-up and functional checks. Operations are satisfactory.

I certify that this propeller has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.

 Sebintu Elisha IA3901475



12897 W 151st STREET | OLATHE, KS 66062 | 620-960-7720 | MEADAIRCRAFT@GMAIL.COM

Propeller log entry (02-02-2026)

N762VA Propeller HC-I3YR-1N S/N NY226B HM & Prop total time 403.0

Inspected propeller per MAS PA46-350P inspection guide. Lubricated hub and dress propeller blades. Replaced propeller de-ice brushes PN: RA1543-7. Performed run-up and functional checks. Operations are satisfactory.

I certify that this propeller has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.
Raydel Acosta _____ IA 3202782

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 4/4/2025
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 3/22/2025 Analysis Date: 4/3/2025 Sample Number: P111 Cylinder Type: steel TSN/TSO: 299.3 Oil Hours: 21 Filter Hours: 21 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
17.6 (44.1)	2.7 (8.1)	0.9 (3.8)	2.9 (7.0)	N/A	N/A	5.2 (7.9)	2388 (3807)	2.1 (6.0)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 11/14/2024 Analysis Date: 11/20/2024 Sample Number: P87 Cylinder Type: steel TSN/TSO: 278.6 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
24.6 (45.7)	2.4 (8.3)	0.9 (3.7)	3.7 (8.0)	N/A	N/A	3.9 (7.6)	2611 (4056)	< 0.1 (6.6)	N/A	< 0.1 (0.2)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 9/12/2024 Analysis Date: 10/17/2024 Sample Number: P60 Cylinder Type: steel TSN/TSO: 253.7 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
66.4 (45.7)	6.3 (8.7)	1.3 (4.0)	9.8 (8.0)	N/A	N/A	12.0 (7.7)	3700 (4038)	0.3 (6.9)	N/A	< 0.1 (0.2)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 8/29/2025
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 8/19/2025 Analysis Date: 8/27/2025 Sample Number: P39 Cylinder Type: steel TSN/TSO: 344.3 Oil Hours: 16.9 Filter Hours: 16.9 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
9.4 (36.6)	1.3 (7.0)	0.2 (3.4)	1.0 (5.6)	N/A	N/A	1.0 (7.8)	1963 (3313)	2.8 (5.5)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 6/17/2025 Analysis Date: 6/20/2025 Sample Number: P64 Cylinder Type: steel TSN/TSO: 327.4 Oil Hours: 27 Filter Hours: 27 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
14.3 (41.6)	< 0.1 (7.8)	0.6 (3.6)	1.6 (6.8)	N/A	N/A	3.6 (8.1)	2641 (3993)	1.5 (5.6)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 3/22/2025 Analysis Date: 4/3/2025 Sample Number: P111 Cylinder Type: steel TSN/TSO: 299.3 Oil Hours: 21 Filter Hours: 21 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
17.6 (44.8)	2.7 (8.1)	0.9 (3.8)	2.9 (7.0)	N/A	N/A	5.2 (9.2)	2388 (3846)	2.1 (5.9)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 10/21/2024
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal		Elevated		High	
Sample Date: 9/12/2024 Analysis Date: 10/17/2024 Sample Number: P60 Cylinder Type: steel TSN/TSO: 253.7 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***															
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.						
66.4 (46.4)	6.3 (8.8)	1.3 (3.7)	9.8 (8.1)	N/A	N/A	12.0 (7.8)	3700 (4060)	0.3 (7.1)	N/A	< 0.1 (0.2)	N/A						
*** FILTER ANALYSIS RESULTS ***																	
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.						
Amount:																	
Type:																	
Form:																	
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.																	
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal		Elevated		High	
Sample Date: 12/10/2021 Analysis Date: 12/17/2021 Sample Number: P30 Cylinder Type: steel TSN/TSO: 47.5 Oil Hours: unknown Filter Hours: 47.5 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***															
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.						
31.8 (N/A)	20.5 (N/A)	3.1 (N/A)	16.8 (N/A)	N/A	N/A	12.1 (N/A)	2915 (N/A)	18.6 (N/A)	N/A	2.3 (N/A)	N/A						
*** FILTER ANALYSIS RESULTS ***																	
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.						
Amount:																	
Type:																	
Form:																	
Comments: ALL OIL VALUES SEEM FINE FOR THE ENGINE BREAK-IN CYCLE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.																	

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 11/21/2024
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 11/14/2024 Analysis Date: 11/20/2024 Sample Number: P87 Cylinder Type: steel TSN/TSO: 278.6 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		24.6 (46.1)	2.4 (8.2)	0.9 (3.7)	3.7 (8.0)	N/A	N/A	3.9 (7.6)	2611 (4062)	< 0.1 (6.8)	N/A	< 0.1 (0.1)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Stainless Steel		Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 9/12/2024 Analysis Date: 10/17/2024 Sample Number: P60 Cylinder Type: steel TSN/TSO: 253.7 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		66.4 (46.2)	6.3 (8.7)	1.3 (3.7)	9.8 (8.1)	N/A	N/A	12.0 (7.7)	3700 (4044)	0.3 (7.0)	N/A	< 0.1 (0.2)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Stainless Steel		Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 12/10/2021 Analysis Date: 12/17/2021 Sample Number: P30 Cylinder Type: steel TSN/TSO: 47.5 Oil Hours: unknown Filter Hours: 47.5 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		31.8 (N/A)	20.5 (N/A)	3.1 (N/A)	16.8 (N/A)	N/A	N/A	12.1 (N/A)	2915 (N/A)	18.6 (N/A)	N/A	2.3 (N/A)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Stainless Steel		Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.		
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE FOR THE ENGINE BREAK-IN CYCLE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 10/9/2025
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

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CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 9/25/2025 Analysis Date: 10/7/2025 Sample Number: P49 Cylinder Type: steel TSN/TSO: 373.8 Oil Hours: 29 Filter Hours: 29 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
8.3 (42.3)	1.1 (7.6)	0.2 (3.6)	1.2 (6.7)	N/A	N/A	1.2 (7.1)	2018 (4217)	1.8 (5.2)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 8/19/2025 Analysis Date: 8/27/2025 Sample Number: P39 Cylinder Type: steel TSN/TSO: 344.3 Oil Hours: 16.9 Filter Hours: 16.9 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
9.4 (35.9)	1.3 (6.9)	0.2 (3.3)	1.0 (5.6)	N/A	N/A	1.0 (7.8)	1963 (3272)	2.8 (5.5)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 6/17/2025 Analysis Date: 6/20/2025 Sample Number: P64 Cylinder Type: steel TSN/TSO: 327.4 Oil Hours: 27 Filter Hours: 27 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.			
14.3 (41.3)	< 0.1 (7.9)	0.6 (3.6)	1.6 (6.8)	N/A	N/A	3.6 (8.1)	2641 (3976)	1.5 (5.6)	N/A	< 0.1 (0.1)	N/A			
*** FILTER ANALYSIS RESULTS ***														
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
Amount:														
Type:														
Form:														
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 9/10/2026
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

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CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated	High
Sample Date: 6/17/2026 Analysis Date: 9/9/2026 Sample Number: P46 Cylinder Type: steel TSN/TSO: 422.2 Oil Hours: 21.4 Filter Hours: 21.4 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	10.5 (38.3)	0.1 (7.5)	0.3 (3.8)	0.6 (5.9)	N/A	N/A	1.3 (7.6)	1481 (3685)	0.4 (4.8)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
	Amount:													
	Type:													
	Form:													
	Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.													
	PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated
Sample Date: 12/5/2025 Analysis Date: 12/29/2025 Sample Number: P46 Cylinder Type: steel TSN/TSO: 400.8 Oil Hours: 23 Filter Hours: 23 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	5.0 (37.2)	0.9 (7.7)	< 0.1 (3.5)	0.3 (5.8)	N/A	N/A	< 0.1 (7.6)	1174 (3771)	< 0.1 (4.7)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
	Amount:													
	Type:													
	Form:													
	Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.													
	PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal	Elevated
Sample Date: 9/25/2025 Analysis Date: 10/7/2025 Sample Number: P49 Cylinder Type: steel TSN/TSO: 373.8 Oil Hours: 29 Filter Hours: 29 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:	*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
	Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.		
	8.3 (42.0)	1.1 (7.6)	0.2 (3.6)	1.2 (6.5)	N/A	N/A	1.2 (6.9)	2018 (4220)	1.8 (5.1)	N/A	< 0.1 (0.1)	N/A		
	*** FILTER ANALYSIS RESULTS ***													
	Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.			
	Amount:													
	Type:													
	Form:													
	Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.													

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 6/24/2025
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.											Normal	Elevated	High
Sample Date: 6/17/2025 Analysis Date: 6/20/2025 Sample Number: P64 Cylinder Type: steel TSN/TSO: 327.4 Oil Hours: 27 Filter Hours: 27 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.				
14.3 (N/A)	< 0.1 (N/A)	0.6 (N/A)	1.6 (N/A)	N/A	N/A	3.6 (N/A)	2641 (N/A)	1.5 (N/A)	N/A	< 0.1 (N/A)	N/A				
*** FILTER ANALYSIS RESULTS ***															
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.				
Amount:															
Type:															
Form:															
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.															
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.											Normal	Elevated	High
Sample Date: 3/22/2025 Analysis Date: 4/3/2025 Sample Number: P111 Cylinder Type: steel TSN/TSO: 299.3 Oil Hours: 21 Filter Hours: 21 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.				
17.6 (43.8)	2.7 (8.0)	0.9 (3.8)	2.9 (6.9)	N/A	N/A	5.2 (8.0)	2388 (3793)	2.1 (5.9)	N/A	< 0.1 (0.1)	N/A				
*** FILTER ANALYSIS RESULTS ***															
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.				
Amount:															
Type:															
Form:															
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.															
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.											Normal	Elevated	High
Sample Date: 11/14/2024 Analysis Date: 11/20/2024 Sample Number: P87 Cylinder Type: steel TSN/TSO: 278.6 Oil Hours: 25 Filter Hours: 25 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***													
Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.				
24.6 (45.7)	2.4 (8.6)	0.9 (3.7)	3.7 (7.9)	N/A	N/A	3.9 (8.0)	2611 (4055)	< 0.1 (6.5)	N/A	< 0.1 (0.1)	N/A				
*** FILTER ANALYSIS RESULTS ***															
Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.				
Amount:															
Type:															
Form:															
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.															

MILE HIGH AIRCRAFT SVCS
Attn: ADAM HETTINGER
37625 ASTRA WAY, FRONT RANGE AR

Aircraft: PA46-350
S/N: 4636785
Tail No.: N762VA

Date: 12/31/2025
Engine S/N: L1460861A
Engine Model: LYC. T540

WATKINS CO 80137
United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 12/5/2025 Analysis Date: 12/29/2025 Sample Number: P46 Cylinder Type: steel TSN/TSO: 400.8 Oil Hours: 23 Filter Hours: 23 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		5.0 (38.8)	0.9 (7.7)	< 0.1 (3.6)	0.3 (6.0)	N/A	N/A	< 0.1 (7.7)	1174 (3748)	< 0.1 (5.2)	N/A	< 0.1 (0.1)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 1		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 9/25/2025 Analysis Date: 10/7/2025 Sample Number: P49 Cylinder Type: steel TSN/TSO: 373.8 Oil Hours: 29 Filter Hours: 29 Oil Added: 1 Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		8.3 (42.1)	1.1 (7.6)	0.2 (3.6)	1.2 (6.7)	N/A	N/A	1.2 (7.0)	2018 (4178)	1.8 (5.1)	N/A	< 0.1 (0.1)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														
PREVIOUS SAMPLE 2		SAMPLE APPEARS NORMAL. Send next sample at normal interval.										Normal Elevated High		
Sample Date: 8/19/2025 Analysis Date: 8/27/2025 Sample Number: P39 Cylinder Type: steel TSN/TSO: 344.3 Oil Hours: 16.9 Filter Hours: 16.9 Oil Added: Filter Wt. (mgs): Flashpoint(deg. F): H2O (ppm): Total Acid No.:		*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.	
		9.4 (35.9)	1.3 (6.9)	0.2 (3.3)	1.0 (5.6)	N/A	N/A	1.0 (7.9)	1963 (3272)	2.8 (5.5)	N/A	< 0.1 (0.1)	N/A	
		*** FILTER ANALYSIS RESULTS ***												
		Material:		Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.	
		Amount:												
		Type:												
		Form:												
Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.														