

#3

07/12

70

AIRCRAFT LOG



Piper

NG5982

AIRCRAFT LOG

PIPER AIRCRAFT, INC.

General Offices at
Vero Beach, Florida
U.S.A.

N6598L

Aircraft
Registration number

Part No. 230715

AIRCRAFT DESCRIPTION

Registration No. N6598L

Model: PA-31-300 Popular Name: NAVAHO

Serial No.: 31-483 Type Certificate No.: A8EA

Colors: _____

Engine Manufacturer: Lycoming Serial Numbers: Single _____

Original Engine Model: _____ Left _____

_____ Right _____

Propeller Manufacturer: _____ Hub or Serial Number: Single _____

Original Propeller Model: _____ Left _____

_____ Right _____

Blade Numbers

Left

Right

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
11/01/2013	Brought Forward →	4097.7	1222.9	Performed An Annual And Piper M/M AS A guide tires, brakes, and battery. CLW FAR 91.207(d). Replaced 1394T100-72 S/N E12-10328 PLN 16-4044 switch at The Right Turbo Transitions PLW and cables by inspection and by inspection. CLW AD 96-10-15 wing rib flanges and rear spar CLW AD 2009-13-06 ^{R1} on nose baggage value by inspection
Total To Carry Forward				

Registration No. _____

and Remarks

inspection i/A/W FAR 43 Appendix D
 Pulleys and cables inspected. Serviced
 lubricated. Replaced elt battery pack and
 right Turn coordinator Installed P/N
 Replaced All fuel cap O-ring seals. Replaced
 hydraulic power pack. Replaced Left and
 LW-12457. C/W 80-18-10 on fuel valves
 lubrication. Clw AD 82-27-13^{R2} on flap system
 by inspection of the outboard flap tracks,
 Clw AD 99-12-05 on elevator spar by inspection
 by inspection. Clw AD 2004-25-16^{R1} on heater fuel

ACR ELECTRONICS, Inc.
 Artex Products - CAGE Code 60253
 Fort Lauderdale, FL 33312

LOG BOOK ENTRY 10/2013

E.L.T. BATTERY
 REPLACEMENT DATE Feb 2020

I Certify That This Aircraft
 Inspected In Accordance With Annual Has Been
 Inspection And Was Determined To Be In
 Airworthy Condition, Tach Reading: 1222.9
 Aircraft Total Time 4097.7 Date 11/01/13
 Maurice Lemmond
 A & P 2060784AI

Maurice Lemmond

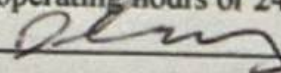
Registration No

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005



Phone: 804-798-6500
Fax: 804-798-6544

and Remarks

Hobbs: 1248.2 Total Time: 4123 N6958L Jan 2, 2015
Sent right hand spinner FWD cap to ASEI for repair. Reinstalled after repair.
Replaced nose landing gear trunnion housing due to crack on turn limit casting.
Replaced nose tire, tube still serviceable at this time. Replaced both hydraulic filters.
Replaced all vacuum filters. Replaced taxi light lens. Performed landing gear retraction tests normal and emergency. Inspected and lubricated all flight and engine controls. Lubricated and inspected all gear components. CW AD 2004-21-05
Combustion heater Pressure decay test on Janitrol heater PN B3040 IAW SBA-103 and Janitrol Instruction 24E25-1. Pressure switch test not applicable by part number. Decay test next due 100 heater operating hours or 24 Months.
Daniel Mcsherry AP3110300 

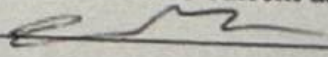
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Ashland, VA 23005



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Fax: 804-798-6544

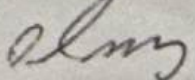
Hobbs: 1248.2 Total Time: 4123
Left Engine Total Time: 1248.2 TSO: 696.6
Right Engine Total Time: 1248.2 TSO: 696.6
Right Prop TT: 1853 TSO: 45.2
Left Prop TT: 1853 TSO: 45.2
N6958L

Jan 2, 2015

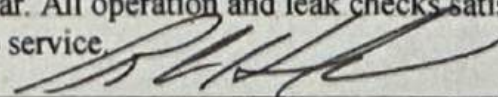

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Inspected IAW PA31-300 Maintenance manual and HOVA checklist that conforms to FAR 43 Appendix D. AD's researched thru biweekly 2014-25. All Ads current at this time.
Daniel Mcsherry AP3110300IA 

Hobbs 1248.2

Jan 2, 2015

Inspected + Tested ME406 ELT SN 1X567 IAW
FAR 91.207(d) Battery Due 2/2020
 AP3110300

Registration No. _____

and Remarks	Signature	Certificate No.
<p>Heart of Virginia Aviation 11152 Airpark Rd Ashland, VA 23005 Hobbs: 1248.9 N6598L March 17, 2015 Removed hydraulic power pack. Installed overhauled Power Pack PN OAS2930-3 SN 134. Serviced gear and tested gear. All operation and leak checks satisfactory and Engine is approved for return to service. Ronald L Hawkins AP2705318 </p> 		
		5
		5

Registration No. _____

and Remarks

Signature

Certificate No.

MAKE: Piper
MODEL: PA31-200
S/N: 31-483
REG NO: N6598L
WORK ORDER: 20889



Aerodyne Corporation

Repair Station No. HO1R-199K
5198 West Military Highway
Chesapeake, VA 23321 USA
Phone: (757) 488-2898

DATE: 6/26/2015
A/C TSN:
HOBBS: 1277.5

Airframe Entries

(1) Troubleshoot customer report that the right main fuel tank quantity indicator always reads full. Repaired wiring at right inboard fuel quantity sender. Operational check satisfactory.....(2) Troubleshoot customer report that the left engine does not boost. Found sticky wastegate. Lubricated with Aerokroil penetrant oil and exercised left engine turbo wastegate. Performed engine ground run and found to be satisfactory.....(4) Troubleshoot customer report that the nose landing gear shock strut bottoms out when taxiing or landing. Found no hydraulic fluid in the shock strut. Serviced strut with MIL5606 hydraulic fluid and nitrogen.

1 of 1

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

Aircraft Tail #:N6598L Make:Piper Model:PA 31 S/N:31-483 Time:1322.4

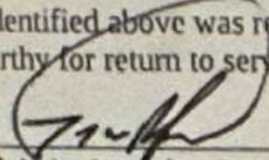
Work Order: 20889

(datcomedia.com)

Removed transponder and inspected on the bench. The transponder was found to meet manufactures bench / electrical inspection. The transponder installed in this aircraft has been tested in accordance with FAR 91.413 and Part 43 appendix F.

Transponder P/N TDR 950 S/N 4887

The items identified above was repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service. Details of this repair are on file under W.O. # A5895

Technician: 
Aircraft and Avionics Sales, Inc.
New Cumberland, PA 17070
FAA Repair Station # 13AR318B

Date:25AUG/2015

MAKE: Piper
MODEL: PA31-300
S/N: 31-483
REG. NO: N6598L
WORK ORDER: 20900



Aerodyne Corporation

Repair Station No. HO1R-199K
5198 West Military Highway
Chesapeake, VA 23321 USA
Phone: (757) 488-2898

DATE: 6/30/2015
A/C TSN:
HOBBS: 1289.6

Recorder
Reading

Maintenance

Airframe Entries

(2) Adjusted passenger door caution light switch and actuator for customer report that the passenger door caution light comes on intermittently during flight.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 6/30/2015

SIGNED:

J.R. Smith 1 of 1

J.R. Smith
Certified Repair Station No. HO1R-199K

Work Order: 20900

Printed by EBis 3 (datcomedia.com)

↓ JO ↓

MAKE: Piper
MODEL: PA31-300
S/N: 31-483
REG. NO: N6598L
WORK ORDER: 20908



Aerodyne Corporation

Repair Station No. HO1R-199K
5198 West Military Highway
Chesapeake, VA 23321 USA
Phone: (757) 488-2898

DATE: 7/9/2015
A/C TSN: 4181
HOBBS: 1306.2

Airframe Entries

(1) Changed left engine oil and filter. Installed 10 quarts of Phillips 20W-50 oil and Tempest AA48110-2 filter. Inspected removed filter. No contamination. Cleaned engine. Performed engine ground run. Operational and leak check satisfactory.....(2) Changed right engine oil and filter. Installed 10 quarts of Phillips 20W-50 oil and Tempest AA48110-2 filter. Inspected removed filter. No contamination. Cleaned engine. Performed engine ground run. Operational and leak check satisfactory.....(3) Troubleshoot customer report of oil leak from front of right engine. Removed right propeller. Found crankshaft seal installed without adhesive to prevent rotation of seal. Installed new crankshaft seal. Installed new prop governor idler shaft plug gasket. Cleaned engine. Reinstalled propeller. Operational and leak check satisfactory.....(4) Serviced nose landing gear shock strut with nitrogen.....(5) Cleaned rough areas of leading edge paint on right wing. Smoothed with aerodynamic putty. Sanded smooth. Primed and painted affected area.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 7/9/2015

SIGNED:

J.R. Smith

J.R. Smith
Certified Repair Station No. HO1R-199K

Work Order: 20908

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Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

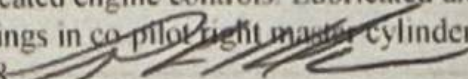
Hobbs: 1391.46 AFTT: 4266.4

N6598L

Feb 3, 2016

Opened all panels, inspected airframe, cables, and pulleys, lubricate as required and reinstalled panels. Inspected and lubricated all control surfaces. Removed, disassembled, cleaned, inspected, lubricated wheel bearings. Inspected brake linings, and reinstalled on aircraft. Performed landing gear retraction tests normal and emergency. Inspected and lubricated engine controls. Lubricated and inspected all gear components. Replaced o-rings in co-pilot right master cylinder.

Ronald L. Hawkins AP2705318



Phone: 804-798-6500

Fax: 804-798-6544

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Hobbs: 1391.46 AFTT: 4266.4

N6598L

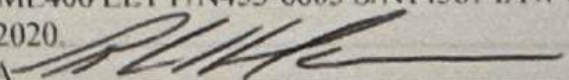
Feb 3, 2016

LETT: 1391.46 TSO: 839.86 RETT: 1391.46 TSO: 839.86

LPTT: 1996.26 TSO: 188.46 RPTT: 1996.26 TSO: 188.46

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Using HOVA checklist that conforms to FAR 43 Appendix D and Piper PA31 Maintenance manual as reference guide. AD's researched thru biweekly 2016-02. All Ads current at this time. Inspected and tested Airtex ME406 ELT P/N453-6603 S/N14567 IAW FAR 91.207 (D); battery due date Feb 2020.

Ronald L. Hawkins AP27053181A



Phone: 804-798-6500

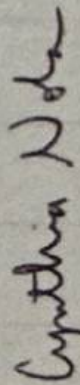
Fax: 804-798-6544

Signature

Certificate No.

N6598L • HOBBS: 1592.8 • 2/14/17

Performed repair of crack in LH windshield (crack position at lower LH side of windshield) in accordance with FAA Advisory Circular 43.13-1B dated 9/08/1999, Section 4, Paragraph 3-40. Determined windshield to be in airworthy condition for flight.



Cynthia Nolan AP31320741A

AIRCRAFT LOG

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005



Phone: 804-798-6500
Fax: 804-798-6544

Hobbs 1606.00 AFTT: 4480.94 N6598L March 10, 2017

Opened all panels, inspected airframe, cables, and pulleys, lubricate as required and reinstalled panels. Inspected and lubricated all control surfaces. Removed, disassembled, cleaned, inspected, lubricated wheel bearings. Inspected brake linings, and reinstalled on aircraft. Performed landing gear retraction tests normal and emergency. Inspected and lubricated engine controls. Lubricated and inspected all gear components. Complied with AD961014 MLG by Penetrate next due hobbs 1706. Complied with AD961015 flap track rib spar by visual next due hobbs 1706. Complied AD962103 aileron hinge by penetrate next due hobbs 1706. Complied AD970703 cleveland wheel by inspection next due hobbs 1706. Or tire repaired

CONTINUED

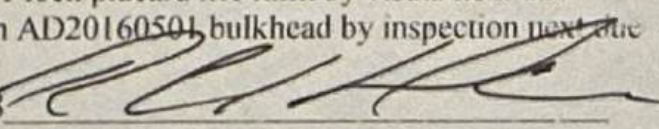
Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005



Phone: 804-798-6500
Fax: 804-798-6544

Hobbs: 1606.00 AFTT: 4480.94 March 10, 2017
N6598L

Complied with AD 991705 elevator spars by inspection next due hobbs 1706.
Complied with AD20091306R1 lock placard life limit by visual next due
hobbs: 1706.00 Complied with AD20160501 bulkhead by inspection next due
hobbs: 1706.00

Ronald L Hawkins AP2705318 

Maintenance

Phone: 804-798-6500
Fax: 804-798-6544

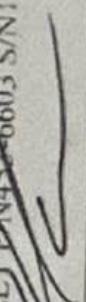
March 10, 2017

Heart of Virginia Aviation
11152 Airpark Rd
Ashland, VA 23005

Hobbs: 1606.00 AFTT: 4480.94


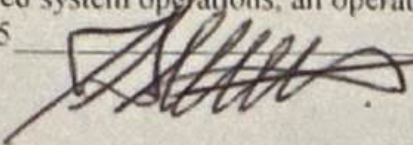

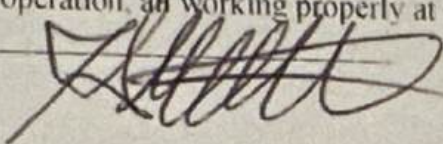
N6598L

LEFT: 1606.00 TSO: 1054.40 RETT: 1606.00 TSO: 1054.40
LPTT: 2210.80 TSO: 403.00 RPTT: 2210.80 TSO: 403.00

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Using HOVA checklist that conforms to FAR 43 Appendix D and Piper PA31 Maintenance manual as reference guide. Inspected and tested Airtex MF106 ELT PN4526603 S/N14567 IAW FAR 91.207 (D); battery due date Feb 2018.
Ronald L. Hawkins AP2705318A 

Carry Forward

Registration No. _____

and Remarks	Signature	Certificate No.
<p>Heart of Virginia Aviation 11152 Airpark Rd Ashland, VA 23005 N6598L Hobbs: 1699.65 Replaced flap motor, time delay switch, and flap solenoid, replaced connectors on wires to solenoid, verified system operations, all operations check ok at this time Jason Shields A4022985</p>  <p>Phone: 804-798-6500 Fax: 804-798-6544 10/12/17</p> 		
<p>Heart of Virginia Aviation 11152 Airpark Rd Ashland, VA 23005 N6598L Hobbs: 1699.65 Removed old windshields and replaced with new windshields, sealed and checked for leaks, everything secure and no leaks at this time. Repaired both upper cowl oil doors, checked for proper operation, all working properly at this time Jason Shields A4022985</p>  <p>Phone: 804-798-6500 Fax: 804-798-6544 10/12/17</p> 		

Registration: N6598L	Date: August 15 , 2017
Manufacturer: Piper	Engine Tach: 1699.6
Model: PA31	Airframe Hobbs: 1741.3 (in nose baggage)
Serial#: PA31-483	Total time airframe: 4516.2



AD 96-10-15, Performed inspection of the outboard flap tracks, both Left and Right side. Visual inspection of wing rib flanges, and rear spar web at Wing Station 147.5- found in satisfactory condition. Life limited by AD due at 1768.8 airframe hobbs.

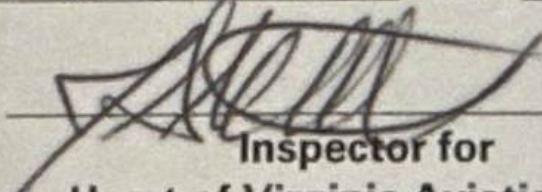
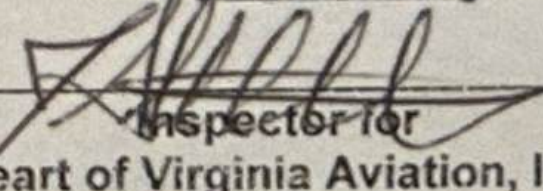
AD 88-05-05, Performed dye penetrant inspection of Left and Right forward main landing gear side braces. condition satisfactory. Next visual inspection due 1841.3 airframe hobbs, replacement due @ 1968.9 airframe hobbs.

AD 2016-05-01 Performed visual inspection of bulkhead at FS 317.75 found AD complied with already by inspection listed in Part II 1,b,2 of this AD. Repetitive inspection Terminated.

Mechanic signature *Jason Andrew Graves*, Jason Andrew Graves Certificate # 3371

Total To Carry Forward				

AIRCRAFT LOG

Date	Aircraft Time		Recorder	Maintenance
	This Date		<small>Reading</small>	
	Brought Forward →			<p>The ATC Transponder tests required by FAR 91.413 have been performed and found to be in compliance with FAR 43 Appendix F.</p> <p>#1 Make <u>Collins</u> Model <u>TDR-950-T50</u> SN: <u>4887</u> #2 Make <u> </u> Model <u> </u> SN: <u> </u> Date <u>10-23-17</u> WO # <u>P17-10095</u></p> <p style="text-align: center;"> Inspector for Heart of Virginia Aviation, Inc CRS# H70R844W HOV-104</p> <p>The Altimeter, Static System and Automatic Altitude Reporting System test as required by FAR 91.411 have been performed and found to be in compliance with FAR 43, Appendix E. The altimeter was tested to <u>20,000</u> ft. on Date <u>10-23-17</u> WO# <u>P17-10095</u></p> <p style="text-align: center;"> Inspector for Heart of Virginia Aviation, Inc CRS# H70R844W HOV-103</p>
Total To Carry Forward				

Airframe Log Entry N6598L

Page 1 of 1

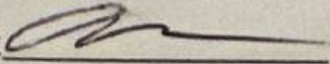
2/10/2018

AFTT 4576.8

Hobbs 1701.9

1. Completed aircraft lubrication.
2. Inspected flight control system.
3. Completed landing gear normal and emergency extension checks.
4. Replaced LT and RT induction air filters.
5. Replaced LT and RT hydraulic filters.
6. Serviced hydraulic reservoir as needed.
7. Installed new aircraft battery.
8. Cleaned, inspected, and greased all 3 LG wheel bearings.
9. Installed 2 Stratus USB ports Ref Appareo Document 600840-000041.
10. Installed aux power port Ref AC 43.13-1B Chapter 11 Sections 4,5,6, and 7.
11. Inspected ELT IAW 91.207 (d). Battery due 2/2020.
12. CW AD 80-18-10 para (b) Fuel valves. Next due Hobbs 1801.9.
13. CW AD 82-27-13 R2 para a 2 and 3 Flap system. Next due Hobbs 1801.9..
14. CW AD 96-10-14 MLG sidebraces. Next due Hobbs 1801.9
15. CW AD 96-10-15 Flap track rib. Next due install kit 763-986 Hobbs 1768.9.
16. CW AD 99-12-05 Elevator spar. Next due Hobbs 1801.9.
17. CW AD 03-24-07 Rudder torque tube. Next due 2/2019.
18. CW AD 09-13-06 R1 (f) (1), (2) and (3) Nose baggage door. Next due Hobbs 1801.9.
19. CW AD 13-10-04 Exhaust. Next due Hobbs 1761.9.
20. CW AD 16-05-01 Vertical fin bulkhead. Next due (g) Hobbs 1801.9 (h) Hobbs 1891.5.

This airframe has been inspected IAW an annual Inspection and was found airworthy on this date.

Inspector:  Certificate #AP2636560 IA

Allen Campbell

Airframe Log Entry N6598L

Page 1 of 1

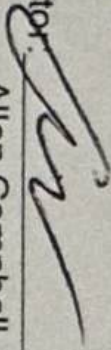
2/10/2018

AFTT 4576.8

Hobbs 1701.9

1. Installed placard next to 70 amp circuit breaker on pilots lower left panel that reads aux power for ground use only. Pull breaker for flight.

Inspector:


Allen Campbell

Certificate #AP2636560 IA

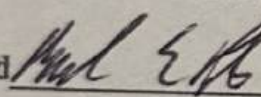
Date August 2, 2018 Hobbs 1744.6 Make and Model Piper PA-31-300 N6598L

Removed KY-196, KNS-80, KR-87, KI-227, TDR-950, and KA-44B.
Installed Garmin GTN-750 GPS/WAAS/NAV/COM and GA-35 WAAS antenna. The GTN-750 is connected to a GI-106A indicator and a GMA340 audio panel.

Installed Garmin GTX-345 ADS-B out transponder, connected to the GMA340 for audio and the GTN-750 for traffic and weather. Altitude supplied from encoder mounted in transponder mounting tray.


Weight and balance, equipment list, and FAA Forms 337 filed this date.

This aircraft found to be airworthy with respect to the work performed under Work Order #26209.

Signed  MARK EPETERS
Inspector

Bay Avionics, Ltd, CRS# HM1R197K

Maintenance

Total To Carry Forward				

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			

MAKE: Piper
 MODEL: PA31-300
 S/N: 31-483
 REG. NO: N6598L
 WORK ORDER: 22095



Aerodyne Corporation

Repair Station No. HO1R-199K
 5198 West Military Highway
 Chesapeake, VA 23321 USA
 Phone: (757) 488-2898

DATE: 8/28/2018
 A/C TSN: 4584.5
 HOBBS: 1709.7

Airframe Entries

(1) Troubleshoot customer report of fuel leak from left auxiliary fuel cell. Drained fuel from left main and auxiliary fuel cells. Removed auxiliary fuel cell. Found hole in cell. Removed fuel drain adapter from auxiliary fuel cell. Removed stuck fuel drain valve. Cleaned and inspected adapter. Installed new left auxiliary fuel cell from Hartwig Aircraft Fuel Cell Repair p/n: 461-714, s/n: CR827. Installed new drain valve CCA1550. Reinstalled adapter.....(2) Removed and inspected left fuel main and auxiliary fuel quantity senders. Found senders and indicator faulty. Installed overhauled fuel indicator, auxiliary and main fuel quantity senders. Repaired wiring as necessary. Operational check satisfactory.....(3) Unsuccessfully attempted to gain access to nose baggage compartment. Key will not turn lock. Called local locksmith. Locksmith opened lock, re-keyed lock and made three new keys.....(4) Removed and inspected aircraft battery. Charged battery. Battery only holds 18 volts. Installed new battery Concorde sealed battery RG24-20, s/n: 40945102.....(5) Troubleshoot customer report of inoperative cabin fan. Found switch faulty. Installed new switch p/n: 7270-1-5. Operational check satisfactory.....(6) Installed new left and right main and auxiliary fuel tank cap o'rings

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 8/28/2018

SIGNED:

Work Order: 22095

J.R. Smith
 Certified Repair Station No. HO1R-199K

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TOTAL TO
 Carry Forward



Registration No. _____

MAKE: Piper
MODEL: PA31-300
S/N: 31-483
REG. NO: N6598L
WORK ORDER: 22118



Aerodyne Corporation

Repair Station No. HO1R-199K
5198 West Military Highway
Chesapeake, VA 23321 USA
Phone: (757) 488-2898

DATE: 9/20/2018
A/C TSN: 4591.2
HOBBS: 1716.4

Airframe Entries

(1) Removed faulty ammeter from cockpit overhead panel. Installed new Electronics International VA-1A-100 Volt/Amp Gauge in accordance with Electronics International VA-1A-100 Installation Instructions Document Number II 040934, Revision C, dated 2/24/92. Installation is approved for this aircraft in the FAA Approved Models List (AML) for Supplemental Type Certificate Number SA2693NM. A complete operational check was performed and the component operated as per manufacturer's specifications and did not affect any other system in the aircraft. Completed FAA Form 337. No weight or balance change.....(2) Removed, cleaned and inspected tail light assembly. Repaired wiring and cleaned corrosion from ground connection and lamp holder. Installed new lamp. Operational check satisfactory. Reinstalled light assembly. 1. of. 1(3) Removed right wingtip fairing to gain access to right position light. Repaired ground and power wires. Operational check satisfactory. Reinstalled wingtip fairing.....(4) Troubleshoot left alternator not charging. Removed left engine cowling and inspected alternator. Installed new hardware on alternator field terminals. Reinstalled cowling. Inspected wiring at voltage regulators. Found faulty alternator switch. Installed new left and right alternator switches. Operational check satisfactory.....(5) Troubleshoot right engine oil leak. Removed engine cowling. Cleaned engine and performed engine ground run. Found propeller un-feathering accumulator hose leaking onto exhaust pipe. removed faulty hose. Fabricated and installed new hose with firesleeve. Serviced accumulator. Performed engine ground run. Leak check satisfactory. Reinstalled engine cowling.....(6) Tightened jam nut on fuel servo T-fitting on right engine.....(7) Installed new turbo support bracket hardware at right lower engine mount on right engine.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 9/20/2018

SIGNED:

Work Order: 22118

J.R. Smith
Certified Repair Station No. HO1R-199K

Printed by EBIS 3 (datcomedia.com)

MAKE: Piper
MODEL: PA31-300
S/N: 31-483
REG. NO: N6598L
WORK ORDER: 22267



Aerodyne Corporation

Repair Station No. HO1R-199K
5198 West Military Highway
Chesapeake, VA 23321 USA
Phone: (757) 488-2898

DATE: 3/4/2019
A/C TSN: 4620.5
HOBBS: 1745.7

Airframe Entries

(1) Completed Annual Inspection in accordance with manufacturer's recommendations and a checklist conforming to Title 14 Code of Federal Regulations Chapter 43, Appendix D.....(2) Completed left engine 100 hour inspection in accordance with the manufacturer's recommendations and a checklist conforming to Title 14 Code of Federal Regulations Chapter 43 Appendix D. Compression check: #1-78/80, #2-78/80, #3-50/80 (see Item #20), #4-78/80, #5-78/80, #6-78/80. Checked ignition timing. Cleaned engine.....(3) Completed right engine 100 hour inspection in accordance with the manufacturer's recommendations and a checklist conforming to Title 14 Code of Federal Regulations Chapter 43 Appendix D. Compression check: #1-78/80, #2-78/80, #3-78/80, #4-78/80, #5-78/80, #6-50/80 (see Item #25). Checked ignition timing. Cleaned engine.....(4) Completed left propeller 100 hour inspection in accordance with the manufacturer's recommendations and a checklist conforming to Title 14 Code of Federal Regulations Chapter 43 Appendix D. Denicked blades. Serviced propeller hub with Aeroshell No. 6 grease.....(5) Completed right propeller 100 hour inspection in accordance with the manufacturer's recommendations and a checklist conforming to Title 14 Code of Federal Regulations Chapter 43 Appendix D. Denicked blades. Serviced propeller hub with Aeroshell No. 6 grease.....(6) Complied with AD 2003-14-03 "Rotary Fuel Pump Leaks" by inspection of left and right engine rotary fuel pumps p/n: RG9080J7A. No leaks noted. Inspection due every 50 hours.....(7) Complied with AD 2003-24-07 "Rudder Torque Tube and Associated Ribs" by inspection. No defects noted. Inspection due again February 2020.....(8) Complied with AD 2004-25-16 "Cabin Heater Fuel Pressure Regulator and Shutoff Valve Leaks" by inspection. No leaks noted. Inspection due every 100 hours or 12 calendar months whichever comes first.....(9) Complied with AD 2013-10-04 "Engine Exhaust System" by inspection of the left and right engine exhaust systems. No defects noted. Inspection due every 60 hours or 6 months whichever comes first.....(10) Complied with AD 2015-19-07 "Lycoming Engine Fuel Injector Lines" by inspection of the lines and clamps on the left and right engines in accordance with the text of the AD and Lycoming MSB 342G. Replaced fuel injector lines on right engine cylinders 2 & 4 due to cracks.....(11) Complied with AD 2016-05-01 "Fuselage Station Bulkhead at 317.75 Vertical Fin to Bulkhead Attachment Part 1 by inspection. Part 2 modification due at 4766.3 TAT.....(12) The Artex Model ME406, s/n: 14567 ELT system installed in this aircraft was inspected and tested according to the applicable ELT manufacturer's instructions and the requirements of 14 CFR 91.207 d) and was determined to be in an airworthy condition. **ELT BATTERY EXPIRES FEBRUARY 2020**.....(13) Installed new cabin combustion heater igniter grommet.....(14) Removed, disassembled, cleaned and inspected left wheel assembly. Greased wheel bearings. Installed new brake disc. Reassembled and installed wheel assembly. Disassembled cleaned and inspected brake caliper. Installed

AIRCRAFT LOG

new brake pads. Reassembled and installed brake caliper with new shim. Bled brake system.....(15) Removed, disassembled, cleaned and inspected right wheel assembly. Greased wheel bearings. Installed new brake disc. Reassembled and installed wheel assembly. Disassembled cleaned and inspected brake caliper. Installed new brake pads. Reassembled and installed brake caliper with new shim. Bled brake system.....(16) Repaired left engine cowling top nose bowl fiberglass.....(17) Primed and painted small area on right wing leading edge.....(18) Secured air-conditioning panel with screws and tinnerman clips.....(19) Troubleshoot customer report that right tachometer indication is erratic. Removed, cleaned and inspected tachometer and tachometer drive inner cable. Lubricated drive cable. Flushed and cleaned cable housing. Reinstalled tachometer and drive cable. Operational check satisfactory.....(20) Removed #3 cylinder from left engine due to low compression, leak by exhaust valve. Disassembled, cleaned and inspected cylinder. Found four cracks from lower spark plug hole to exhaust valve seat. Cylinder rejected for repair. Installed Superior cylinder assembly p/n: SL54002-A21P, s/n: E10L with new piston ring set and associated gaskets and seals. Engine ground run and leak check satisfactory.....(21) Changed left engine oil and filter. Installed 10 quarts of Phillips 20W-50 oil and Champion CH48103-1 filter. Inspected removed filter. No contamination. Cleaned engine. Performed engine ground run. Operational and leak check satisfactory.....(22) Installed new left engine air induction filter element BA7.....(23) Installed new Nutplates onto left engine #6 cylinder spark plug access panel.....(24) Installed 12 new URHB37E spark plugs on left engine.....(25) Removed #6 cylinder from right engine due to low compression, leak by exhaust valve. Disassembled, cleaned and inspected cylinder. Found cylinder bore to be excessively worn and exhaust port face excessively eroded. Cylinder rejected for repair. Installed Superior cylinder assembly p/n: SL54002-A21P, s/n: E31L with new piston ring set and associated gaskets and seals. Engine ground run and leak check satisfactory.....(26) Changed right engine oil and filter. Installed 10 quarts of Phillips 20W-50 oil and Champion CH48103-1 filter. Inspected removed filter. No contamination. Cleaned engine. Performed engine ground run. Operational and leak check satisfactory.....(27) Installed new right engine air induction filter element BA7.....(28) Installed 12 new URHB37E spark plugs on right engine.....(29) Troubleshoot left and right cowl flap indication. Installed new cowl flap indicators. Repaired wiring as necessary. Cleaned and adjusted cowl flap position indication rheostats. Operational check satisfactory.....(30) Tightened cockpit sun visor attach points.....(31) Troubleshoot customer report of fuel smell in cockpit. Found fuel seeping from cross feed valve in left wing root. Removed, disassembled, cleaned and inspected valve. Installed new seals. Installed new drain valve. Reinstalled valve.

The aircraft identified hereon was inspected in accordance with an ANNUAL INSPECTION, found to be in an AIRWORTHY condition and approved for return to service.

DATE: 3/4/2019

SIGNED:

J.R. Smith

Work Order: 22267

J.R. Smith
Certified Repair Station No. HO1R-199K

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2 of 2

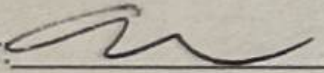
Carry Forward



Airframe Log Entry	N6598L	Page 1 of 1
5/27/2020	AFTT 4647.9	Hobbs 1773.0

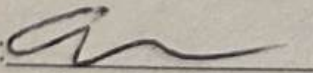
Completed aircraft lubrication. Inspected flight control system. Completed landing gear normal and emergency extension checks. Replaced LT and RT induction air filters. Replaced LT and RT pneumatic pressure filters. Replaced LT and RT hydraulic filters. Serviced hydraulic reservoirs as needed. Serviced aircraft battery as needed. Cleaned, inspected, and greased all 3 LG wheel bearings. Inspected ELT IAW 91.207 (d). Battery due 5/2027. CW AD 80-18-10 (b) Fuel valve by inspection. Next due Hobbs 1873.0. CW AD 82-27-13R2 (a) 2 and 3 Flap system by inspection. Next due Hobbs 1873.0. CW AD 03-24-07 Rudder torque tube by inspection. Next due 5/2021. CW AD 09-13-06R1 (2) nose baggage by inspection. Next due Hobbs 1873.0. CW AD 13-10-04 Exhaust by inspection. Next due 11/2020 or Hobbs 1833.0. CW AD 16-05-01 (g) (1) Fuselage bulkhead by inspection. Next due Hobbs 1873.0. CW AD 04-21-05 Combustion heater by pressure decay test. Next due 5/2022 or Heater Hobbs 714.6. CW AD 04-25-16 R1 Combustion heater by inspection. Next due 5/2021 or Hobbs 1873.0.

This airframe has been inspected IAW an annual inspection and was found airworthy on this date.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Airframe Log Entry	N6598L	Page 1 of 1
7/16/2020		Hobbs 1808.8

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 1868.8 or 1/2021. Replaced LT vacuum pump with overhauled PN 441CC-7.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

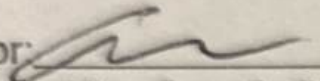
Airframe Log Entry N6598L

Page 1 of 1

10/20/2020

Hobbs 1845.8

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 1905.8 or 4/2021.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Signature

Certificate No.

Airframe Log Entry

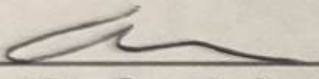
N6598L

Page 1 of 1

12/30/2020

Hobbs 1880.6

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 1940.6 or 6/2021. Replaced co pilot artificial horizon with new PN RCA22-7.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Airframe Log Entry N6598L


Page 1 of 1

01/01/2022

AFTT 4769.0

Hobbs 1894.1


CW AD 16-05-01 para (h) and SB 1273A fuselage station bulkhead by installation of kit number 764-028 terminating the repetitive inspections of this AD. CW AD 17-10-20 para (g) (4) and SB 1289A fuselage station bulkhead by installation of kit number 88578-001 terminating the repetitive inspections of this AD. CW AD 98-08-18 by replacing spring assy PN 71056-003 and link assy PN 71086-003. Next due Hobbs 2894.1.


Inspector:  Certificate #AP2636560 IA
Allen Campbell

01/02/2022

Hobbs 1894.1

Installed RT engine serial number L-6288-61A. Overhaul by Signature Engines, Inc. with new shock mounts PN J-9613-29. Removed and reinstalled RT propeller. Installed RT propeller governor PN 210707 SN 1581791F overhauled by Southwest Aero, Inc. see 8130 dated 08/19/2021. Installed all new fluid carrying hoses on RT engine manufactured by A.E.R.O. Installed Fuel Servo PN 2524500-9 SN 72037 overhauled by Professional Aircraft Accessories Inc. see 8130 dated 07/26/2021. Installed Woodward Governor PN 210707 SN 1581791F overhauled by Southwest Aero Inc. see 8130 dated 08/19/2021. Installed Controller PN 470884-9010 SN HL0107 overhauled by Aircraft Accessories of Oklahoma see 8130 dated 07/28/2021. Installed HET Turbocharger PN 409170-9001 SN UGR0114 overhauled by Approved Turbo components see 8130 dated 06/02/2021. Installed Waste Gate PN LW12778X SN IA0156 overhauled by Professional Aircraft Accessories Inc. see 8130 dated 07/23/2021. Installed Magneto PN 10-682910-13 SN G04LA005 overhauled by Professional Aircraft Accessories Inc. see 8130 dated 06/24/2021. Installed Controller PN LW10098 SN IE0131 overhauled by Professional Aircraft Accessories Inc. see 8130 dated 07/23/2021. Installed Fuel Pump PN RG9080J7AM SN D-1829019 overhauled by Professional Aircraft Accessories Inc. see 8130 dated 07/23/2021.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Total To Carry Forward				

Airframe Log Entry N6598L

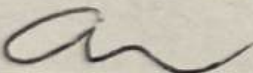
Page 1 of 1

1/2/2022

AFTT 4769.0

Hobbs 1894.1

Completed aircraft lubrication. Inspected flight control system. Completed landing gear normal and emergency extension checks. Replaced LT and RT induction air filters. Replaced LT and RT hydraulic filters. Serviced hydraulic reservoirs as needed. Serviced aircraft battery as needed. Cleaned, inspected, and greased all 3 LG wheel bearings. Inspected ELT IAW 91.207 (d). Battery due 05/2027. CW AD 80-18-10 (b) Fuel Selector Valves by inspection. Next due AFTT 4869.0. CW AD 82-27-13 R2 para (a) 2&3 Flap drive system restriction by inspection. Next due Hobbs 1994.1. CW AD 96-10-14 Main Landing Gear by inspection, Next Due AFTT 4843.8. CW AD 03-24-07 Rudder torque tube by inspection. Next due 1/2023. CW AD 09-13-06 para (f) 2&3 Nose baggage door components part 1 by replacing all life limited parts IAW SB 1194A and part 2 by inspection. Part 2 Next due Hobbs 1994.1. CW AD 13-10-04 Exhaust by inspection. Next due 7/2022 or Hobbs 1954.1. CW AD 04-21-05 Combustion heater by pressure decay test. Next due 1/2024 or Heater Hobbs 745.2. CW AD 04-25-16 R1 Combustion heater by inspection. Next due 1/2023 or Hobbs 1994.1. This airframe has been inspected IAW an annual Inspection and was found airworthy on this date.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Airframe Log Entry

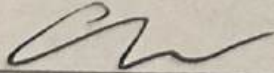
N6598L

Page 1 of 1

02/28/2022

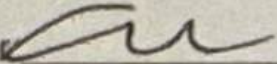
Hobbs 1912.4

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 1972.4 or 08/2022.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

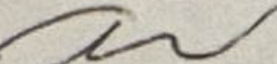
Airframe Log Entry	N6598L	Page 1 of 1
06/10/2022		Hobbs 1949.5

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 2009.5 or 12/2022. Repaired lower RT section of the lower L engine cowling with a patch fabricated from .032 2024T3 ref AC 43.13-1B, chapter 4, section 4.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

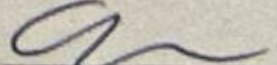
Airframe Log Entry	N6598L	Page 1 of 1
8/8/2022		Hobbs 1958.0

Removed and reinstalled GTX 345 SN 3EG021753 transponder after repair by Garmin. Installed new transponder antenna PN CI-105-16.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Airframe Log Entry	N6598L	Page 1 of 1
09/28/2022		Hobbs 1985.0

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 2045.0 or 02/2023r.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

Airframe Log Entry

N6598L

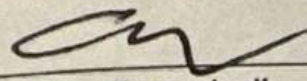
Page 1 of 1

10/7/2022

Hobbs 1993.0

No.

Replaced flex hoses at LT and RT oil pressure gauges with new manufactured by Eastern Aero Supply INC.

Inspector: 
Allen Campbell

Certificate #AP2636560 IA

Airframe Log Entry

N6598L

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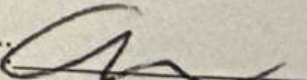
3/31/2023

AFTT 4891.6

Hobbs 2016.7

Completed aircraft lubrication. Inspected flight control system. Completed landing gear normal and emergency extension checks. Replaced LT and RT induction air filters. Clean and inspected LT & RT fuel strainers. Replaced LT and RT hydraulic filters. Serviced hydraulic reservoirs as needed. Serviced aircraft battery as needed. Cleaned, inspected, and greased all 3 LG wheel bearings. Inspected ELT IAW 91.207 (d). Battery due 05/2027. CW AD 80-18-10 (b) Fuel Select Valves by inspection. Next due AFTT 4991.6. CW AD 82-27-13 R2 para (a) 2&3 Flap drive system restriction by inspection. Next due AFTT 4991.6. CW AD 96-10-14 Main Landing Gear CW by installing side brace studs PN 85166-03 and PN 85166-03 terminating the repetitiveness of this AD. CW AD 03-24-07 Rudder torque tube by inspection. Next 3/2024. CW AD 09-13-06 para (f) 2&3 Nose baggage door components part 2 by inspection. Part 2 Next due Hobbs 2116.7. CW AD 13-10-04 Exhaust by inspection. Next due 9/2023 or Hobbs 2076.7. CW AD 04-21-05 Combustion heater by pressure decay test. Next due 1/2025 or Heater Hobbs 757.0. CW AD 04-25-16 R1 Combustion heater by inspection. Next due 3/2024 or Hobbs 2116.7.

This airframe has been inspected IAW an Annual Inspection and was found airworthy on this date.

Inspector: 
Allen Campbell

Certificate #AP2636560 IA

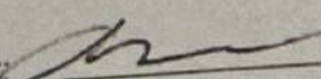
Airframe Log Entry N6598L

Page 1 of 1

10/13/2023

Hobbs 2067.1

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 2127.0 or 04/2024.

Inspector:  Certificate #AP2636560 IA

Allen Campbell

Maintenance

Airframe Log Entry N6598L

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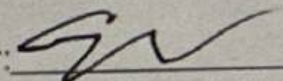
4/1/2024

AFTT 4941.9


Hobbs 2067.0

Completed aircraft lubrication. Inspected flight control system. Completed landing gear normal and emergency extension checks. Replaced LT and RT induction air filters. Inspected and cleaned LT and RT fuel strainers. Replaced LT and RT hydraulic filters. Serviced hydraulic reservoirs as needed. Serviced aircraft battery as needed. Inspected ELT IAW 91.207 (d). Battery due 5/2027. CW AD 03-24-07 Rudder torque tube by inspection. Next due 4/2025. CW AD 13-10-04 Exhaust by inspection. Next due 10/2024 or Hobbs 2127.0. CW AD 04-25-16 R1 Combustion heater by inspection. Next due 4/2025 or Hobbs 2167.0.

This airframe has been inspected IAW an Annual Inspection and was found airworthy on this date.

Inspector:  Certificate #AP2636560 IA

Allen Campbell

Total To Carry Forward				

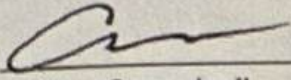
Airframe Log Entry N6598L

Page 1 of 1

5/8/2024

Hobbs 2108.2

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 2168.2 or 11/2024.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

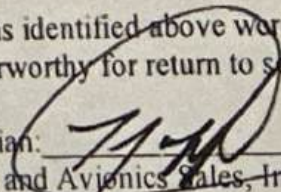
Signature	Certificate No.

Aircraft Tail #:N6598L Make:Piper Model:PA 31 S/N:31-483 Time:2120.9

I certify that the altimeter and static system tests required by FAR 91.411 have been performed. The altimeter was tested to 20,000 ft. The transponder installed in this aircraft has been tested in accordance with FAR 91.413 and Part 43 appendix F. Tested encoder in accordance with FAR 91.217.

Encoding Altimeter P/N 101635-016976	S/N 0116065
Copilot ALT P/N 5934PA-1	S/N 7E964
Transponder P/N GTX 345	S/N 3EG021753

The items identified above were repaired and inspected in accordance with current FAA regulations and was found airworthy for return to service. Details of this repair are on file under W.O. #A 10334.

Technician: 
Aircraft and Avionics Sales, Inc.
New Cumberland, PA 17070
FAA Repair Station # 13AR318B

Date:21/MAY/2024

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Airframe Log Entry N6598L

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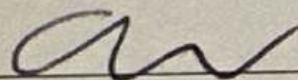
04/27/2025

AFTT 4999.2

Hobbs 2124.3

Completed aircraft lubrication. Inspected flight control system. Completed landing gear normal and emergency extension checks. Replaced LT and RT induction air filters. Inspected and cleaned LT and RT fuel strainers. Replaced LT and RT hydraulic filters. Serviced hydraulic reservoirs as needed. Serviced aircraft battery as needed. Inspected ELT IAW 91.207 (d). Battery due 5/2027. CW AD 80-18-10 Fuel Selector Valves para (b) by inspection next due AFTT 5097.7. CW AD 82-27-13 R2 Flap Extension System Restriction para (a) 2 & 3 by inspection next due AFTT 5099.2. CW AD 03-24-07 Rudder torque tube by inspection. Next due 4/2026. CW AD 2009-13-06 R1 Nose Baggage Door Components part 2 by inspection. Next Due Hobbs 2224.3. CW AD 13-10-04 Exhaust by inspection. Next due 10/2025 or Hobbs 2184.3. CW AD 2004-21-05 Combustion Heater - Air Pressure Switch by pressure decay test. Next due 4/2027 or heater hobbs 770.52. CW AD 04-25-16 R1 Combustion heater - Fuel Regulator Shutoff Valve by inspection. Next due 4/2026 or Hobbs 2224.3.

This airframe has been inspected IAW an Annual Inspection and was found airworthy on this date.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

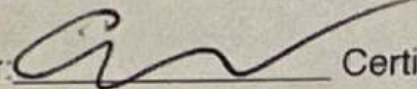
Airframe Log Entry N6598L

Page 1 of 1

07/30/2025

Hobbs 2145.2

CW AD 13-10-04 Exhaust by inspection. Next due Hobbs 2205.2 or 01/2026.

Inspector:  Certificate #AP2636560 IA
Allen Campbell

