

AIRFRAME LOG

Craft Record General Information

Manufacturer PIPER Model PA23-235
Serial 22-573 Registration Number N4971P
Date of Manufacture 1963

Engine(s) currently installed:

Engine 1: Manufacturer LYCOMING Model O-540-A1D5 Serial L-3356-40 RIGHT
Engine 2: Manufacturer LYCOMING Model O-540-A1D5 Serial L-3359-40 LEFT

Propeller(s) currently installed:

Propeller 1: Manufacturer _____ Model _____
Propeller 2: Model _____ Serial _____ Serial _____
Propeller 3: Model _____ Serial _____ Serial _____
Propeller 4: Model _____ Serial _____ Serial _____

THIS AIRCRAFT WAS BOUGHT BY SAM L. PHILLIPS FROM THE PREVIOUS OWNERS ESTATE. NO LOG BOOKS WERE FOUND AND ARE ASSUMED LOST. USED AIRCRAFT TACHS FOR TOTAL TIME AND OBTAINED ENG. TIMES FROM A PREVIOUS PILOT AND MECHANIC THAT MAINTAINED AIRCRAFT.

YEAR: 2002 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-20		NA		AIRCRAFT DISASSEMBLED, CLEANED AND PAINT REMOVED. INSPECTED ENTIRE AIRCRAFT REPAIRS WERE MADE AS NECESSARY. REINSTALLED WINGS USING NEW MAIN SPAR BOLTS. INSTALLED ENGINES. INSTALLED STABILATORS, RUDDER AND NEW TRIM CABLE. INSTALLED NEW FUEL CELLS IN RT. WING AND NEW CELL IN BD TANK LEFT WING - REPLACED ALL CONTROL SYSTEM BEARINGS AND NEW ROD END BEARINGS. INSTALLED NEW TIRES + TUBES. NEW BRAKE PADS. INSTALLED NEW IN BD TANK FUEL LINES BOTH SIDES FROM CELL TO SELECTOR VALVES - INSTALLED 4

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			<p> New Fuel CAPS. INSTALLED 4 SERVICEABLE Fuel QTY TRANSMITTERS - (TESTED) INSTALLED NEW "O" RINGS IN SELECTOR VALVES - INSTALLED NEW Fuel, HYD AND OIL FLEXIBLE HOSES. REPLACED PILOT SEAT OUTBOARD TRACK WITH SERVICEABLE TRACK. INSTALLED ALL NEW WINDOWS AND NEW UPHOLSTERY ON WALLS. NEW COVERS ON SEATS. SEATS NOT INSTALLED AT THIS TIME. NEW HEAD LINER NOT INSTALLED. REPLACED RT. PROP GOV. CABLE WITH SERVICEABLE CABLE. CLEANED & PAINTED BATTERY BOX. SERVICED HYD. SYSTEM AND INSTALLED NEW SEAL IN AXY PUMP. </p> <p style="text-align: right;"> <i>Jan S. Sullivan ACP 1628836</i> </p>

YEAR: 2003 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-30				Removed Floor panels and inspected The Flap ACTUATOR Tube. Found o.k. FOR FURTHER SERVICE. J. [Signature] A&P 1628836
09/03/2003	3159.2			INSTALLED TWO NEW PROPS, HC-MVK-2/M 57933 10 S/N H906 LEFT N 2110 RIGHT INSTALLED IN A/W. MAINTENANCE MANUAL OPS OK'D SATISFACTORY [Signature] FA 490445524



Aircraft Logbook
N4971P

Date: 7/15/08 Tach: 3159.8 EngTTsmoh: 102.7

Removed LH fuel bowl, cleaned gaskets surfaces, reinstalled fuel bowl and safetied. Leak check satisfactory. Sent RH & LH Engine mounts to Kosola for repairs P/N 16073-00, S/N KC2460, P/N 16073-01 S/N KC2461, reinstalled.

Disconnected LH Fuel Selector cable, checked for free motion on selector valve – found satisfactory, Lubricated and operated cable until free, reinstalled cable on valve. Ops check satisfactory. Removed and replaced ELT. Removed and replaced both RH Main Wheel Bearings. P/N 13889, 13836. Removed and replaced both Nose Wheel Bearings

umber of Technician or Repair

25000
30000
35000

AFTER EFFECT

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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SERVICEABLE

ABBAS AVIONICS INC
1500 CARGO ROAD AUGUSTA, GA. 30906
MODEL 5934P-3 TYPE ALTIMETER
SERIAL No. 398869 MFGR. UNITED
OWNER N4971P DATE 07/17/08
R CALIBRATE REPAIR X CHECKED-CERTIFIED OVERHAUL
TTIS 3161.58 INSPECTOR [Signature]
W.O.# 5176

CRS#YBZR594L
PH(706)-793-0074
FAX(706)-792-6101

THE APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF FEDERAL AVIATION AGENCY AND APPROVED FOR RETURN TO SERVICE

<u>11/20/08</u>				REMOVED LEFT OUTBOARD FUEL CELL; REPLACED WITH NEW. REMOVED LEFT RUNNING PROP COVER; REBUILT BY BOLDUC AVIATION & REINSTALLED. LEAK CHECK & GROUND RUN OKAY. <u>[Signature]</u> A+P 2762352 x 7/11
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ANNUAL INSPECTION PERFORMED PER PIPER PA23-235 SERVICE MANUAL. OPENED ALL INSPECTION PANELS AND INSPECTED AND LUBED AS NEEDED. INSPECTED ALL FLIGHT CONTROLS AND LUBED. INSTALLED NEW CONCORDE RG35AXC SEALED BATTERY. INSPECTED ELT AND PERFORMED OPERATIONAL TEST PER FAR 91.207 (D) ELT BATTERES DUE REPLACEMENT 7/2014 RCPI BATTERY DUE 3/12. CHECKED ALL A/C LIGHTS, STALL HORN AND PITOT HEAT REPAIRED LEFT NAV LIGHT GROUND. CLEANED AND REPACKED ALL WHEEL BEARINGS. INSPECTED BRAKES AND REPLACED LEFT BRAKE PADS AND BACK PLATES. BLED BRAKES AND SERVICED RESERVOIR. REMOVED ALL THREE LANDING GEAR LOWER STRUTS AND REPLACED SEALS REINSTALLED AND SERVICED WITH 5606 AND NITROGEN. REMOVED LEFT INBD. AND OUTBD. FUEL TANK SENDING UNITS AND SENT TO AIR PARTS OF LOCKHAVEN FOR O/H SEE 8130-3 FORMS FOR DETAILS REINSTALLED AND ADJUSTED FUEL SENDING UNIT MICRO SWITCHES FWD SPAR. REMOVED LEFT AND RIGHT FUEL SHUT OFF VALVES AND SENT TO AIR PARTS OF LOCKHAVEN FOR O/H SEE FORM 8130-3 FORMS FOR DETAILS. REMOVED UNAPPROVED ELECTRIC FUEL PUMPS RIGHT ENGINE AND INSTALLED FAA/PMA PUMPS BY PMA PRODUCTS, INC. UNDER STC SAQ2410ATSEE 337 DATED THIS DAY FOR DETAILS. REMOVED AND REPLACED LEFT ENGINE STARTER INSTALLED O/H MZ4222 BY AEROTECH OF LOUISVILLE SEE FORM 8130-3 FOR DETAILS. CLEANED AND INSPECTED GASCUATORS AND SCREENS. REPLACED LEAKING LEFT CURTIS GASCUATOR VALVE AND LEAKING RT. AFT CURTIS DRAIN VALVE. AIRCRAFT WEIGHED AT THIS TIME USING CERTIFIED SCALES FROM WEIGHING SYSTEMS & SERVICES. REPAIRED CRACKED LEFT INBD. MAIN GEAR DOOR. AIRCRAFT JACKED UP AND LUBED LANDING GEAR PERFORMED GEAR RETRACTION CHECK AND MANUAL SYSTEM OPS CHECK OK. C/W AD 80-18-10 INSTALLED 760-504 SERVICE KIT AND VALVES WERE O/H BY AIR PARTS OF LOCKHAVEN SEE FORM 8130 AND INSPECTED CABLES AND LINKAGES. PERFORMED AD SEARCH THROUGH THE AD TOOL BOX REV. 2009-11B SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Owen R. Wass

A&P1844994IA

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>DATE <u>11/07/09</u> TOTAL AIRCRAFT TIME <u>3178.06</u></p> <p>I CERTIFY THAT THIS <u>aircraft</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>SIGNATURE <u>Owen R Wass</u></p> <p>A&P# IA# <u>1844994IA</u></p>

5/2/2010 TACH 3178.06

REMOVED LEFT ENGINE FUEL PUMPS AND INSTALLED FAA/PMA NEW ELECTRIC FUEL PUMPS P/N CA35328-800E PER PMA PRODUCTS STC SA02410AT SEE 337 ATTACHED FOR DETAILS. REMOVED AND REPLACED LEFT ENGIE ELECTRIC FUEL PUMP SWITCH P/N 487-790 OPS CHECK PERFORMED.

Owen R Wass
Owen R. Wass
A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

6/23/2010

N4971P

PIPER PA23-235 APACHE

Aircraft Logbook

TACH 3178.06

1. Removed and reinstalled left outbd. Fuel cell S/N CR1482 after repair by floats and Fuel Cells of Memphis, TN. Filled no leaks noted see form 8130-3 for details.
2. Removed and reinstalled right inbd. and outbd. Fuel tank sending units after O/H by Air Parts of Lockhaven see form 8130-3 for details. S/N 102059 & 102058 and adjusted fuel sending micro switches.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed *Owen R. Wass*

Owen R. Wass A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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3/7/2011 TACH 3179.14

ANNUAL INSPECTION PERFORMED PER PIPER PA23-235 SERVICE MANUAL. OPENED INSPECTION PANELS AND INSPECTED CABLES, PULLEYS, FLIGHT CONTROLS AND LUBED. INSPECTED ELT AND REPLACED BATTERIES DUE AGAIN 3/2017 PERFORMED OPERATIONAL TEST PER FAR91.207(D). CHECKED ALL A/C LIGHTS, STALL HORN AND PITOT HEAT. INSPECTED WHEELS, TIRES, AND BRAKES. SERVICED BRAKE RESERVOIR. INSTALLED NEW VALVE CORE IN LEFT GEAR STRUT AND SERVICED WITH NITROGEN. CLEANED AND INSPECTED FUEL GASCUATOR SCREENS. INSPECTED HEATER AND CLEANED HEATER GASCUATOR BOWL AND SCREEN. AIRCRAFT WAS JACKED UP AND PERFORMED GEAR RETRACTION TEST NO DEFECTS NOTED. SERVICED LANDING GEAR HYD. RESERVOIR. REWEIGHED LANDING GEAR EMERGENCY BLOW DOWN BOTTLE AND FOUND TO BE WITHIN SPECS. PERFORMED AD SEARCH THROUGH THE AD TOOL BOX REV. 2011-02B. SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING. C/W AD 88-21-07 INSPECTED FUEL VENTS PER SB-340 DUE AGAIN NEXT ANNUAL.

Owen R. Wass

Owen R. Wass

A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	4/13/2011	N4971P		<p style="text-align: center;">PIPER PA23-235 APACHE</p> <p style="text-align: right;">Aircraft Logbook</p> <p>RT. TACH 3180.8</p> <ol style="list-style-type: none"> 1. Removed and replaced R&L leaking rubber engine fuel lines at input to cylinder line dist. Point. Replaced with aluminum 1/8" line. Leak checked and found OK. 2. Removed and replaced broken cabin door restrainer bracket with used serviceable unit OPS check OK. <p>The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.</p> <p style="text-align: right;">Signed <u><i>Owen R. Wass</i></u></p> <p style="text-align: right;">Owen R. Wass A&P1844994IA</p>

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

WIPCAIRE
by Wipaire


LOG BOOK ENTRY N4971P

Removed the defective altimeter, P/N 5934P-3, S/N 398869, and installed overhauled altimeter, P/N 5934P-3, S/N 480437.

The aircraft altimeter, static system, transponder and altitude reporter have been tested to 20,000 feet in accordance with FARs 91.411, 91.413, & 91.217 and were found to be within the limits of FAR 43, appendices E & F.

W.O.# 92732

Signed:


For Wipaire, Inc. CRS# RJWR390K

Date:

4-29-11

YEAR:

DATE



Log Book Entry N4971P

Replace the transponder antenna.

Corrective Action:

Removed the broken antenna and replaced with a Comant CI-105 antenna.

Co-pilot's PTT switch is inoperative.

Corrective Action:

Verified problem in A/C. Troubleshot and found broken wire under panel. Repaired wire. System check good.

Electric fuel pumps pop the circuit breaker.

Corrective Action:

Verified problem in A/C. Checked system for current draw and found both pumps would use about 3.5 amps. Let pumps run for a couple of minutes and did not see any increase. Replaced circuit breaker and assembled panel. Function check good.

Strobe light switch is frozen.

Corrective Action:

Verified problem in A/C. Replaced strobe light CB switch. Function check good.

Repair the pitot mast bracket.

Corrective Action:

Removed the pitot mast. Fabricated and welded new doubler base. Paint to match. Re-installed assembly.

The airframe and/or appliance identified above was repaired and/or inspected in accordance with current FAA regulations and is approved for return to service. Details are on file at this repair station under work order # 92732.

Signed:

Date:

4-29-2011

For Wipaire, Inc. CRS# RJWR390K

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
6/15/2011	N4971P	PIPER PA23-235 APACHE	Aircraft Logbook	
	RT. TACH 3212.93 LT. TACH 3211.87			
	1. Removed frozen RT. Engine tach at reading of 3212.93 and replaced with new mitchell unit P/N D1-112-5023 S/N 32250 and also replaced inner tach cable with new. (NOTE) NEW TACH HAS READING OF ZERO.			
	2. Removed and replaced right engine carb heat tube CAT 10.			
	3. Removed Sigmatech Directional Gyro model # 4000b-8 S/N 53857D and sent to Quality Instruments of Wichita, KS for O/H.			
	Reinstalled unit on return ops check ok. See form 8130-3 for details.			
	The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.			
	Signed <u>Owen R. Wass</u>			
	Owen R. Wass A&P18449941A			

YEAR:

RECORDING
TACH
TIMETODAY'S
FLIGHTTOTAL
TIME IN
SERVICE**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE

6/25/2011

N4971P

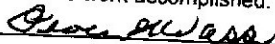
PIPER PA23-235 APACHE

Aircraft Logbook

RT. TACH 0.5 LT. TACH 3214.2

1. Removed Electrol Inc. Power Pack P/N 750P-1N S/N 2619P and replaced with overhauled unit from Air Parts of Lockhaven, PA. P/N 31800-2 S/N E285E. Operational check for leaks and function no defects noted. See form 8130-3 for details.
 2. Removed left engine PESC hyd. Pump P/N 012023-015-01 S/N 998 and sent to Quality Aircraft Acc. Of Tulsa OK. Installed same unit on return and serviced hyd. System with fluid and checked for leaks and proper operation. See form 8130-3 for details. A/C placed on jacks and gear and flaps function checked ok. Also replaced hyd. Line inline filter.
 3. Removed and replaced broken stall warning wire left wing checked operation ops check ok.
- The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed



Owen R. Wass A&P1844994IA

YEAR: _____ **RECORDING TACH TIME** _____ **TODAY'S FLIGHT** _____ **TOTAL TIME IN SERVICE** _____

Description of Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Aircraft Logbook

4/16/2012 N4971P PIPER PA23-235 APACHE

LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Inspected flight controls and lubed.
2. Removed and replaced pitot heat switch installed new p/n 487-860 and repaired power wire at connector point left wing ops check ok.
3. Removed and replaced ~~left~~ right tach p/n 32961. (mitchell) *OLD LEFT TACH READING 3224.7*
4. Removed and replaced pilot side map light switch new p/n 487-860 ops check ok.
5. RrMOVED left, right and nose gear actuators and replaced all o-rings. Removed leaking anti-retraction valve left gear and replaced o-rings.
6. C/W Piper service bulletin 1160 and removed stabilator, cleaned torque tube and applied Dinitrol AV8 and to interior and anti corrosion inhibitor to exterior reinstalled using all new bolts and bearings. Ops check ok.
7. Removed and replaced right tire tube and brake o/b pads and packed wheel bearings. Inspected other tires wheels brakes serviced brake reservoir.
8. Performed gear operational check and manual extensin no defects noted reservoir was serviced.
9. Removed CO2 canister and weighed no change..
10. Removed fuel gasculators and inspected and cleaned screens reinstalled with new gaskets replaced left Curtis drain valve installed new p/n cca-1550.
11. Cleaned landing gear and struts and lubed..
12. Removed and replaced bad nut plates left and right cowling attach points.
13. Repaired worn boot on right carb air intake box.
13. Performed ELT operational check per FAR 91.207(D) batterys due replacement 4/2017 remote switch battery due 4/2016.

OVER
→

6/6/2013

N4971P

PIPER PA-23

LEFT 36.8 TT. 3260.73

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Replaced leaking left brake line from master cyl. To connection point in fuselage with new Stratoflex hose leak checked no defects noted.
2. Removed inspection panels, inspected, also inspected all flight controls and lubed.
3. Installed Power Adapter, TSO-C-71. Part No. LS03-05025 from Lonestar Aviation, Mansfield, TX.
4. Inspected Wheels, tires and brakes no defects noted.
5. Performed gear & flap operational check & manual extension no defects noted verified gear unsafe warning operational. Removed CO2 canister and weighed no change.
6. Removed and replaced bad nut plates left and right cowling attach points.
7. Performed ELT operational check per FAR 91.207(D) batteries due replacement 4/2017, remote switch battery due replacement 4/2016.
8. Cleaned landing gear and struts and lubed.
9. Replaced landing and taxi light and checked operation of all lights, stall warning and pitot heat ops check ok.
10. Checked heater operation and heat directional control ops check ok.
11. C/W AD 72-11-01 inspected bottom of wings no fuel stains noted next inspection due 50 hrs.
12. C/W AD 81-04-05 inspected flap hinges no defects noted at this time due again 100 hrs..
13. C/W AD 88-21-07 inspected fuel cell vent lines for blockage none noted due again next annual.
14. Checked AD compliance through the AD Toolbox Rev. 2013-05B see AD compliance record for complete listing.

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

Signed *Owen R Wass*

Owen R. Wass A&P18449941A

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
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7/13/2014

N4971P

PIPER PA23-235 APACHE

Aircraft Logbook

TACH LEFT 46,8 TT.3270.73

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Removed and replaced all brake pads right brake and checked and serviced brake reservoir.
2. Performed ELT operational check per FAR 91.207(D) batteries due replacement 4/2017 remote switch battery due 4/2016.
3. Inspected wheels, tires and brakes.
4. Inspection panels removed and inspected, inspected all flight controls and lubed.
5. Performed gear and flap operational check and also manual extension no defects noted.
6. Inspected oleo strus and cleaned and lubed.
7. Checked operation of all lights, pitot heat and stall warning.
8. Reinstalled leaking cross feed valve after O/H by The Aviation Group LLC Scott P/N 4600 S/N 113013 verified operation see form 8130-3 for details.
9. Removed and replaced fuel pump circuit breaker P/N W23-15 amp.
10. Reinstalled KX-155 S/N 17969 after repair by Avionis Of Minnesota see form 8130-3 for details.
11. CW AD 88-21-07 inspected fuel cell vent lines for blockage none noted next inspection due next annual.
12. Checked AD compliance through the AD Toolbox Rev. 2014-06B.

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

Signed



Owen R. Wass A&P1844994IA

MAKE Piper
MODEL: PA-23-235
S/N: 27-573
REG NO 4971P
WORK ORDER:
ANE13120-07 2014



R.C. Avionics, Inc.

8891 Airport Road B-7
Building 2161 Missouri Row
Blaine, MN 55449
Phone: 763-398-3920

DATE: 7/10/2014
A/C TSN: 56.8
TACH: 56.8

chnician or R

Airframe Entries

(1) Both radios reported weak on transmit audio.

Tower says clear but weak..... Customer authorized Cirrus Flight to tug aircraft to our facility from customer hangar 2557 east New Hampshire. (Cirrus will bill separately) ITEM (2) Perform Transponder Certification Only.... Performed The Following: (VFR)
The Below Identified Equipment Has Been Found To Conform The Following: FAR 91.413, Part 43 Appendix F. This Equipment Is Compliant With The Above FAR's And Meets or Exceeds Requirement For Airworthy Transponder.

****Tests pertaining to appendix E of part 43 NOT performed****

Transponder

Make: King
Model: KT-76A
PN: 066-1034-01
SN: 16013

DATE: 7/10/2014

SIGNED:

Work Order: ANE13120-07-2014

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MAKE: Piper
MODEL: PA-23-235
S/N: 27-573
REG. NO: 4971P
WORK ORDER:
ANE13120-07-2014



R.C. Avionics, Inc.

Repair Station No. KP5R996M
8891 Airport Road B-7
Building 2161 Missouri Row
Blaine, MN 55449
Phone: 763-398-3920

DATE: 7/16/2014
AVC TSN: 56.8
TACH: 56.8

or Repair

Airframe Entries

(1) Both radios reported weak on transmit audio.

Tower says clear but weak..... Customer authorized Cirrus Flight to tug aircraft to our facility from customer hangar 2557 east New Hampshire. (Cirrus will bill separately)
Tested both radios in aircraft. Found both radios weak, one headset weaker than the other. Pulled both radios to set modulation with customers headset. Tested SWR both radios. Found to be in normal range <1.5. Checked radiated power. Both in normal range.
[ITEM X(2) Replace radios after bench test and modulation adjustment.... GNS-430 Post install. ramp check in accordance with Garmin install manual post installation check out procedure section 5.0 to 5.3 manual 190-00140-02, Rev T, June 2010. KX-155 ground tested per King installation manual part# 006-00179-0006 Rev 6 dated Oct. 1994. KX-155 louder than Garmin. Pull radio, readjust on bench. Change headset mic wind filter to one that blocks less sound getting thru it. Found problem with #2 nav indicator. Unit is 25 degrees off on all headings and has low course width sensitivity. [ITEM X(3) Remove #2 nav head for bench repair.... Access and remove #2 Nav indicator KI-209 from plane for repair. Repaired as per attached repair order. [ITEM X(6) Replace #2 indicator and radio and ramp test.... Replace #2 indicator and KX-155. Ground tested per King installation manual part# 006-00179-0006 Rev 6 dated Oct. 1994

Maintenance Release

The aircraft and/or component(s) on 4971P was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was returned to service. Pertinent details of the repair are on file at this repair station under Work Order No. ANE13120-07-2014, Dated 7/16/2014.

DATE: 7/16/2014

SIGNED:

Gene Zalabski
Certified Repair Station No. KP5R996M

Work Order: ANE13120-07-2014

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YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)
	7/1/2015	N4971P		PIPER PA23-235 APACHE Aircraft Logbook TT 3294.0 Completed annual inspection in accordance with manufacturers inspection procedures manual. 1. Inspection panels removed and inspected cables, pulleys, all flight controls and lubed. 2. Inspected wheels, tires and brakes. Serviced brake reservoir with 5606 hyd fluid. 3. Performed ELT operational check per FAR 91.207(D) batteries due replacement 4/2017 remote switch battery due 4/2016. 4. Removed and replaced right fuel sender with an O/H unit S/N012290 from Air Parts of Lockhaven, Inc. new gaskets and seals also installed ops check ok see form 8130 tags on file. 5. Performed gear and flap operational check and also manual extension no defects noted. 6. Checked all lights, stall warning and pitot heat. 9. Inspected oleo struts cleaned. and lubed. 10. C/W AD 88-21-07 inspected fuel cell vent lines for blockage none noted due again next annual. 11. C/w AD 72-11-01 inspected bottom of wings for fuel stains none noted due again in 50 hours. 12. C/W AD 81-04-05 inspected flap hinges no defects noted due again 100 hrs. 13. Checked AD compliance through the AD Toobox Rev.2015-05B. I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.
				Signed <u>Owen R. Wass</u>

Owen R. Wass A&P1844994IA

YEAR:	RECORDING TACH TIME	TO FLI
DATE		

Date: 6/01/2017

Hours: TT. 3300.7

Tail: N4971P

Make: PIPER

Model: PA23-235

Serial: 27-573

Comments:

- Completed annual inspection in accordance with manufacturer's inspection procedure manual.
- 1. Inspection panels removed and inspected cables, pulleys, flight controls and lubed.
- 2. Inspected wheels, tires and brakes, serviced brake reservoir with 5606 hyd. fluid.
- 3. Replaced ELT batteries due replacement 3/2023 replaced battery in RCIP PX281 due 3/2024 operational check performed per FAR91.207(D).
- 4. Aircraft jacked up replaced main drag link bolts L&R Per Piper SB 1299 inspected landing gear and lubed. Serviced reservoir with 5606 and performed ops check of gear and flaps.
- 5. Heater safety valve removed and O/H by HH, INC. AL. P/N 484085 valve replaced and filler P/N 450-0 from Aircraft heating and electrical Redding Cal. C /W Piper SL 1188 landing gear hyd. system filter maint. C/W AD 88-21 -07 inspected fuel cell vents
- C/W AD 81-04-05 inspected flap hinges. Checked AD compliance through the AD Toolbox Rev. 2017-May. C/W AD72-11-01 inspected bottom of wings for fuel stains none noted due again 50 hrs.
- 6. Removed and weighed the emergency CO2 cartridge, weighed 132g, cartridge is within specifications,
- 7. Checked all lights, stall horn and pitot heat
- 8. Performed operational check of Southwind heater ops check ok.

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

Name: Owen R. Wass

Cert: A&P1844994IA

Signature: *Owen R. Wass*

LEFT ENGINE LOG

Engine Record General Information

Manufacturer

LYCOMING

Model

O-540-A1D5

Serial

L-3359-40

Type Certificate

This engine is currently installed in aircraft

N4971P

Minimum Octane Fuel

91/96

Oil Grade: Summer

Winter

Magneto Time

25°

Point Setting

Firing Order

Spark Plug Gap

Manufacturer recommended overhaul at

hours

All previous LOG BOOKS LOST IN AN ESTATE SALE. Previous PILOT AND THE MECHANIC THAT MAINTAINED AIRCRAFT REPORTED TO ME THAT BOTH ENGINES HAD LESS THAN 100 HOURS SMOH. ENGINE IN SPECTION APPEAR TO VERIFY THIS. ENGINE TIMES IN NEW LOG WILL START AT 100 HOURS SMOH. TOTAL TIME UNKNOWN BUT WAS TOLD THIS WAS FIRST OVERHAUL ON THIS ENGINE.

Sam Wilson AOP 1628836

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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12/07/2009 TACH 3178.06 TSOH 120.96 LEFT ENG.

ENGINE 100HR/ANNUAL INSPECTION PER PIPER PA23-235 SERVICE MANUAL. CHANGED OIL AND FILTER SERVICED WITH SHELL 15W50 OIL. COMPRESSION CHECK #1 62/80 #2 60/80 #3 60/80 #4 60/80 #5 62/80 #60/80. DRAINED CARB AND INSPECTED CARB INLET SCREEN. CHECKED MAGNETO TO ENGINE TIMING. CLEANED AND GAPPED ALL SPARK PLUGS. INSPECTED ALL BAFFLES AND BAFFLE SEALS. INSPECTED FUEL AND OIL LINES. INSTALLED NEW STARTER BY AEROTECH OF LOUISVILLE MZ4222 PRESTOLITE. INSPECTED ENGINE FOR FUEL AND OIL LEAKS. INSPECTED ENGINE AIR FILTER WAS REPLACED AT LAST ANNUAL. INSPECTED CARB AIR BOX. INSPECTED ALL ENGINE CONTROLS. INSPECTED EXHAUST SYSTEM FOR CRACKS AND LEAKS. REMOVED SPINNER AND INSPECTED HUB AND PROP BLADES CLEANED AND REINSTALLED SPINNER. PERFORMED AD SEARCH THROUGH THE AD TOOLBOX REV. 2009-11B SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Owen R. Wass

A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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3/7/2011 TACH 3179.14 TSOH 122.04

ENGINE 100HR/ANNUAL INSPECTION PERFORMED PER PIPER PA 23-235 SERVICE MANUAL. OIL AND FILTER CHANGED 1.08 HRS AGO. COMPRESSION CHECK #1 60/80 #2 60/80 #3 73/80 #4 74/80 #5 62/80 #6 72/80. CHECKED MAGNETO TO ENGINE TIMING. INSPECTED ENGINE FOR FUEL AND OIL LEAKS. INSPECTED EXHAUST SYSTEM FOR CRACKS AND LEAKS. INSPECTED BAFFLES AND BAFFLE SEALS REPAIRED LOOSE BAFFLE LEFT SIDE # 4 CYL. INSPECTED OIL AND FUEL LINES FOR LEAKS. INSPECTED PROPELLER BLADES AND HUB. PERFORMED AD SEARCH THROUGH THE AD TOOL BOX REV. 20011-02B. SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Owen R. Wass

A&P1844994IA

YEAR: _____
DATE

RE
TA/
TH

4/16/2012

N4971P

PIPER PA23-235 APACHE

Engine 1 Logbook

1 of 2 pages

TACH 4.2 TSOH 170.63

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter serviced with 10 qts Shell 15W50 oil and installed new Champion CH48110-1 filter cut open old filter and inspected no contamination found.
2. Compression check #1 78/80 #2 64/80 #3 70/80 #4 78/80 #5 78/80 #6 79/80. *RIGHT ENGINE*
3. Checked torque on all oil sump bolts.
4. Removed old Bendix ignition kit and installed new Slick kit p/n K-6526-40 new mags, harness and spark plugs. Replaced cushions installed new Lycoming p/n LW12136 and timed to engine.
5. Drained carb. and checked for contamination
6. Removed and cleaned all fuel primer nozzles and checked operation.
7. Repaired exhaust shroud by replacing missing screws
8. Inspected all fuel and oil lines.
9. Inspected altalternator, belt, starter and wiring.
- 10 Inspected engine baffles and seals
11. Removed and replaced installed serviceable used carb.heat shroud from Wentworth aircraft parts.
12. Inspected propeller blades and hub dressed prop.
13. Checked AD compliance through the AD Toolbox rev. 2012-04B see AD compliance record for complete listing.

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

Signed

Owen R. Wass

Owen R. Wass A&P1844994IA

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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8/27/2012

N4971P

PIPER PA23-235 APACHE

Engine 1 Logbook

TACH 25.1

REPLACE LEAKING OIL RETURN LINE

1. Removed and replaced #5 cylinder oil return line P/N SL68761. Found loose baffle retainer rod came loose and wore hole in tube. Reinstalled rod and used all new hardware on retaining rods.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed



Owen R. Wass A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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6/6/2013

N4971P

PIPER PA23-235 APACHE

Engine 1 Logbook

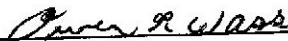
TACH 36.4 TSOH 202.83

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter serviced with 10 qts Aeroshell 15W50 oil and installed new Tempest AA48110-2 filter. Cut open old filter and inspected for contamination none noted.
2. Compression check #1 70/80 #2 63/80 #3 73/80 #4 80/80 #5 80/80 #6 73/80
3. Drained carb and checked fuel inlet screen for contamination none noted.
4. Checked fuel primer nozzles for proper operation.
5. Inspected exhaust system and replaced missing screw.
6. Installed new Brackett BA-104 air filter assy. With new BA-3 element see FAA 337 dated this date for details STC-SA693CE.
7. Inspected all fuel and oil lines no defects noted.
8. Inspected alternator, belt, starter and wiring.
9. Checked AD'S through the AD Toolbox REV. 2013-05B. See AD compliance report for status.

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

Signed



Owen R. Wass A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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7/13/2014

N4971P

PIPER PA23-235 APACHE


Engine 1 Logbook

TACH46.8 TSOH 212.83

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter ervised with 9 qts Aeroshell 15W50 oil and installed new Tempest AA48110-2 filter. Filter was cut open and inspected for contamination non noted.
2. Compression check #1 72/80 #2 65/80 #3 70/80 #4 78/80 #5 75/80 #6 75/80.
3. Drained carb bowl and inspected inlet screen for contamination none noted.
4. Installed new brackett BA3 air filter element.
5. Inspected alternator, belt, starter and wiring.
6. Inspected all fuel and oil lines.
7. Inspected baffles and baffle seals.
- 8 checked AD'S trough the AD Toolbox Rev 2014-06B.

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

Signed 
 Owen R. Wass A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	7/1/2015	N4971P		PIPER PA23-235 APACHE
	TACH 70.1	TSOH 236.13		Engine Logbook
	Completed annual inspection in accordance with manufacturers inspection procedures manual.			
	1.Changed oil and filter sevised with 10 qts Aeroshell 50 AD installed new Tempest AA48110-2 filter. Filter was cut open and inspected.			
	2. Compression check #1 72/80 #2 78/80 #3 77/80 #4 80/80 #5 63/80 #660/80.			
	3. Installed new Brackett BA3 air filter element			
	4. Drained carb bowl and inspected inlet screen.			
	5. Inspected alternator, belt, starter and wiring.			
	6. Inspected fuel and oil lines.			
	7. Inspected baffles and baffle seals.			
	8. Installed Design Logic Inc. Model 213250 engine preheater to bottom of oil pan ops check ok.			
	9. Checked AD'S through the AD Toolbox REV 2015-05B.			
	I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.			
				Signed <u><i>Owen R. Wass</i></u>
				Owen R. Wass A&P1844994IA

YEAR:

DATE

RI
T/
TI

Date: 6/01/2017

Hours: TSOH 243.03

Tail: N4971P

Make: PIPER

Model: PA23-235

Serial: L-3359-40

5
Technician or Rep

Comments:

- Completed annual inspection in accordance with manufacturer's inspection procedure manual.
1. Changed oil and filter, serviced with 10 qts. Aeroshell 50. filter was cut open and inspected.
 2. Oil sample was taken and sent to Blackstone laboratories for analysis. Report on file.
 3. Compression check #1 75/80 #2 70/80 #3 70/80 #4 75/80 #5 70/80 #6 80/80.
 4. Checked magneto to engine timing. Drained carb. bowl. Inspected baffles and baffle seals.
 5. Inspected fuel and oil lines. Inspected alternator, belt, starter and wiring.
 6. Inspected carb. airbox and lubed. Inspected air filter and found ok for continued service.
 7. Checked AD's through the AD Toolbox Rev 2017-May.
 8. Carburetor O/H by Horizon Aviation and repaired carb. heat sensor lead

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

Name: Owen R. Wass

Cert: A&P1844994

Signature:

Owen R Wass

RIGHT ENGINE LOG

Engine Record General InformationManufacturer LYCOMINGModel O-540-A1D5Serial L-3356-40

Type Certificate _____

This engine is currently installed in aircraft

N4971P

Minimum Octane Fuel

91-96

Oil Grade: Summer

Winter _____

Magneto Time

25°

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____

hours

All Previous LOG BOOKS LOST IN AN ESTATE SALE. Previous PILOT AND THE MECHANIC THAT MAINTAINED AIRCRAFT REPORTED TO ME THAT BOTH ENGINES HAD LESS THAN 100 HOURS SMOH. ENGINE INSPECTIONS APPEAR TO VERIFY THIS. ENG. TIMES IN LOG BOOKS WILL START AT 100 HOURS SMOH. TOTAL TIME UNKNOWN BUT WAS TOLD THIS WAS FIRST OVERHAUL ON THIS ENGINE. *Sam & Quinn's # 2P 1628236*

YEAR: <i>2022</i> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<i>2-20</i>			<i>100</i>	<p> <i>Removed ALL PLUGS AND STORAGE OILS FROM ENGINE - Flushed CYLS. Replaced ALL BUFFET SEALS. INSTALLED NEW COILS AND CONDENSER POINTS IN BOTH MAGS - Timed - Cleaned & Reinstalled PLUGS - Replaced OIL AND FUEL, HYD FLEX LINES - GENERATOR REPAIRED BUT NOT INSTALLED - INSTALLED NEW OIL FILTER AND 12 QTS PHILLIPS X COUNTRY OIL. PRE OILED ENG TO 50 LBS. ENG HAS NOT BEEN STARTED.</i> </p> <p style="text-align: right;"><i>J. Phillips</i></p>

TIME	RECORDING TAPE	TODAY'S FLIGHT	TOTAL	Description of Inspections, Tests, Repairs and Alterations <small>(List with Name, Rating and Certificate Number of Technician or Repair)</small>



Right Engine
N4971P

Date: 7/15/08 Tach: 3159.8 EngTTsmoh: 102.7

Removed all cylinders to comply with piston pin AD, installed with new rings, seals and gaskets. Removed all accessories and accessory housing, removed and replaced oil pump, and reinstalled accessories and accessory housing. Ops check satisfactory. Compression: 1) 66/80 2) 60/80 3) 62/80 4) 68/80 5) 70/80 6) 76/80. Removed and replaced Vac Pump. Removed and replaced generator, converted to 75 amp alternators.

[Signature]
William L. Long IA 490445524

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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12/07/2009 TACH 3178.06 TSOH 120.96 RIGHT ENGINE

ENGINE 100HR/ANNUAL INSPECTION PERFORMED PER PIPER PA23-235 SERVICE MANUAL. CHANGED OIL AND FILTER SERVICED WITH SHELL 15W50 OIL COMPRESSION CHECK #1 60/80 # 2 60/80 #3 62/80 #4 60/80 #5 60/80 #6 64/80. CHECKED MAGNETO TO ENGINE TIMING CLEANED AND GAPPED ALL SPARK PLUGS. INSPECTED BAFFLES AND BAFFLE SEALS . INSPECTED ALL FUEL AND OIL LINES. INSPECTED ALL ENGINE CONTROLS AND CARB AIR BOX. INSPECTED ENGINE FOR FUEL AND OIL LEAKS. REMOVED AND REPLACED CARB INSTALLED O/H CARB BY AVSTAR AIRCRAFT ACCESSORIES. PART NO 10-4404 MOD. NO. MA-4-5. INSPECTED ENGINE FOR FUEL AND OIL LEAKS. INSPECTED EXHAUST SYSTEM FOR CRACKS AND LEAKS. INSPECTED ENGINE AIR FILTER WAS REPLACED AT LAST ANNUAL: REMOVED SPINNER AND INSPECTED HUB AND PROP BLADES CLEANED AND REINSTALLED SPINNER. PERFORMED AD SEARCH THROUGH THE AD TOOLBOX REV. 2009-11B. SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Owen R Wass

A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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3/7/2011 TACH 3179.14 122.04

ENGINE 100HR/ANNUAL INSPECTION PERFORMED PER PIPER PA23-235 SERVICE MANUAL. OIL AND FILTER CHANGED 1.08 HRS AGO. COMPRESSION CHECK #1 64/80 #2 72/80 #3 64/80 #4 76/80 #5 76/90 #6 76/80. CHECKED MAGNETO TO ENGINE TIMING. INSPECTED ENGINE FOR FUEL AND OIL LEAKS. ISPECTED EXHAUST SYSTEM FOR CRACKS AND LEAKS. INSPECTED BAFFLES AND BAFFLE SEALS REPAIRED LOOSE SEAL RIGHT SDE TOP #1 CYL. INSPECTED OIL AND FUEL LINES FOR LEAKS. INSPECTED PROPELLER BLADES AND HUB. PERFORMED AD SEARCH THROUGH THE AD TOOL BOX REV. 2011-02B. SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Owen R. Wass

A&P 1844994IA

YEAR:

Engine 2 Logbook

Technician or Repair

DATE

4/16/2012

N4971P

PIPER PA23-235 APACHE

Engine 2 Logbook

TACH 14.8 TSOH 170.63

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter serviced with 10 qts Shell 15W50 and installed new Champion CH48110-1 filter. Cut open old filters and inspected no contamination found.

2. Removed old Bendix ignition kit and installed new Slick kit p/n K-6526-40 new mags, harness and spark plugs replaced cushions installed new Lycomig p/n LW12136 and timed to engine.

3. Checked torque on sump bolts and cleaned engine.

4. Drained carb and checked for contamination.

5. Removed and cleaned all fuel primer nozzles and checked operation.

6. Replaced worn carburator heat hose with new scat tubing.

7. Compression check #1 62/80 #2 60/80 #3 68/80 #4 80/80 #5 78/80 #6 70/80. LEFT ENGINE

8. Inspected fuel and oil lines for leaks.

9. Inspected alternator, belt, starter and wiring.

10. Inspected engine baffles and seals.

11. Inspected propeller and hub dressed blades.

12. Checked AD compliance through the AD Toolbox rev. 2012-04B see AD compliance record for complete listing.

13. Reinstalled inbd. Exhaust stack, crossover pipe, nozzle assy. And right and left shroud assemblies after overhaul by Aerospace Welding Minneapolis Inc. See FAA Form 8130-3 for details.

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

Signed *Owen R Wass*

Owen R. Wass A&P1844994IA

YEAR:

DATE

6/6/2013

N4971P

PIPER PA23-235 APACHE

Engine 2 Logbook

TACH 46.8 TSOH 202.63

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter serviced with 10 qts Aeroshell 15W50 oil and installed new Tempest AA48110-2 filter. Cut open old filter and inspected for contaminaton none noted..

2. Compression check #1 62/80 #2 74/80 #3 79/80 #4 77/80 #5 72/80 #6 80/80.

3. Drained carb bowl and inspected carb inlet screen for contamination none noted.

4. Checked fuel primer nozzles for proper operation.

5. Repaired carb heat control cable.

6. Inspected all fuel and oil lines no defects noted.

7. Inspected and repaired baffles and seals as needed..

8. Removed starter and replaced with O/H starter from Aerotech of Louisville ky. With Prestolite P/N MZ-4222 S/N A314022 see form FAA 8130-3 on file.

9. Inspected alternator, belt, starter and wiring..

10. Installed new Brackett BA-104 filter assy. With new BA-3 element see FAA 337 dated this date for details STC-SA693CE.

11. Removed Hartzell govener S/N 5534F and sent to Maxwell Aircraft Services Inc. For O/H. Reinstalled after O/H see FAA form 8130-3 for details engine was runup ops check ok.

12. Checked AD's through the AD Toolbox REV 2013-05B see AD compliance report for status.

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

Signed



Owen R. Wass A&P1844994IA

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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7/13/2014

N4971P

PIPER PA23-235 APACHE

Engine 2 Logbook

TACH 56.8 TS0H 212.63

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter, serviced with 9 qts Aeroshell 15W50 oil and installed new Tempest AA48110-2 filter. Cut open old filter and inspected no contamination noted.
2. Compression check #1 68/80 #2 72/80 #3 77/80 #4 80/80 #5 75/80 #6 80/80.
3. Drained carb bowl and inspected inlet screen for contamination none noted.
4. Inspected spark plugs and reinstalled do to low time.
5. Checked magneto to engine timing.
6. Inspected baffles and seals.
7. Inspected alternator, belt, starter and wiring.
8. Inspected oil and fuel lines. Replaced Brackett air filter installed new BA3 element.
9. Checked AD compliance through the AD Toolbox Rev 2014-06B.

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

Signed Owen R. Wass

Owen R. Wass A&P1844994IA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Facility. (See back pages for other specific entries.)
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7/1/2015

N4971P

PIPER PA23-235 APACHE

Engine 2 Logbook

TACH ~~198~~ ²⁸⁸ TSOH ~~218.68~~ ^{235.93}

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Changed oil and filter serviced with 10 qts Aeroshell 50 AD oil and installed new Tempest aa48110-2 filter. Cut filter open and inspected.
2. Compression check #1 74/80 #2 71/80 #3 66/88 #4 67/80 #5 69/80 #6 67/80.
3. Drained carb bowl and inspected inlet screen.
4. Inspected engine baffles and seals.
5. Inspected all fuel and oil lines.
6. Replaced Brackett air filter installed new BA3 element.
7. Installed Reiff Preheat Systems, model HSS Hotstrip Sump Heater System to bottom of oil pan.
8. Checked AD compliance through the AD Toolbox Rev. 2015-05B.

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

Signed

Owen R. Wass

Owen R. Wass A&P1844994IA

LEFT PROP LOG



The Standard

PROPELLER LOG

ASA-SP-1

Propeller Record General Information

Propeller Manufacturer HC-MVK-2/MV8433-10

Model HC-A2MVK-2 PER HARTZELL Type _____

Hub Series # H2110 Blade # _____

Date of Manufacture _____

Aircraft Installed On:

Make/Model	Serial #
<u>PA 23-250</u>	<u>27-573</u>
_____	_____
_____	_____
_____	_____

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: <u>2007</u>	Total Time in Service	Description <u>INSTALLED PROPELLER ON LEFT ENGINE</u> <u>William Long ASP 420445374</u>
Date: <u>5/3</u>		
Next Inspection Due:	Time Since Overhaul	
Mech. Cert. # or Repair Station # _____		

Year: _____	Total Time in Service	Description
Date:		
Next Inspection Due:	Time Since Overhaul	
Mech. Cert. # or Repair Station # _____		

Year: _____	Total Time in Service	Description
Date:		
Next Inspection Due:	Time Since Overhaul	
Mech. Cert. # or Repair Station # _____		

RIGHT PROP LOG



The Standard

PROPELLER LOG

ASA-SP-1

Propeller Record General Information

Propeller Manufacturer HARTZELL HC-A2MUK-2
Model HC-MUK-2/MV8433-10 **Type** _____
Hub Series # H906 **Blade #** _____
Date of Manufacture _____

Aircraft Installed On: **Make/Model** PA 23-235 **Serial #** 27-573

HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: <u>2007</u>	Total Time in Service	Description <u>INSTALLED PROPELLER ON RIGHT ENGINE</u> <u>Miller King AT 480443524</u>
Date: <u>5/3</u>		
Next Inspection Due:	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date:		
Next Inspection Due:	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____

Year: _____	Total Time in Service	Description
Date:		
Next Inspection Due:	Time Since Overhaul	
		Mech. Cert. # or Repair Station # _____