AIRFRAME LOG

craft Record General Information	
ufacturer <u>PIPER</u> al <u>27-573</u> of Manufacture <u>1963</u>	Model <u>PA23-Z35</u> Registration Number <u>N4971P</u>
ne(s) currently installed:	
ufacturer LYCOMINEModel	0-540-AID5 serial <u>L-3356-40 Right</u> 0-540-AID5 serial <u>L-3359-40 LEFT</u>
ufacturer LYCOMING_ Model	0-540-A125 Serial 2-3359-40 LEFT
eller(s) currently installed:	
ufact ure r	Model
Model Serial	Serial
	Serial Serial
	Serial Serial

. .

Notes This AirCRAFT WAS BOUGHT BY SAM L. Phillips FRom The PREVIOUS OWNERS ESTATE. NO LOG BOOTS WERE FOUND AND ARE ASSUMED LOST. USED AURCRAFT TACKS FOR TOTAL TIME AND OBTAINED ENG. TIMES FROM A PREVIOUS Pilot And Mechanic That MAINTAINED AIRCRAFT.

YEAR: 200 2 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 DISASEMBLED, CLEANED AND
0 00				PAINT Removed. INSpected ENTIRE AIRCRAFT
				RePAIRS WERE MADE AS NECESSARY.
. <u> </u>				REINSTALLED WINGS USEING New MAIN SPAR
2 <u>3</u> - 12 - 14				BOITS. INSTALLED ENGINES. INSTALLED
				STABALATORS, Rudder And New TRIM CABLE,
				INSTALLED NEW Fuel Cells IN PT. WING AND
	-	<u> </u>		New Cell in Bid TANK LEST WING- Replaced All
<u> </u>				CONTROT SYSTEM BEARINGS AND NEW Rod ENG BEAR
				INSTALLED New TIRES + TUBES, New BRAKE PAD
				INSTALLED NEW INB'S TANK Fuel Links Both sides
				From Coll To selector Valves - Fustalled 4
<u> </u>				That will be been an end of the former

RECORDI TACH TIME	IG 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.)
			New Fuel CAPS. FINSTAlled 4 SERVICIPBLE Fuel QTY TRANSMITTERS - & TESTED FINSTAlled New "O" RINGS in Selector VALUES - FINSTAlled New Fael, 1496 And Oil Flexible Hoses. Replaced Pilot SEAT ONTBOARD TRACK-With SERVICABLE TRACK. FINSTAlled All New WINDOWS AND New uphosTERY ON WALLS. New Covers ON SEATS. Seats Not INSTAlled This TIME. New HEAD LINER NOT INSTALLED. Replaced Rt. PROP Gov. CABLE WITH SERVICABLE CABLES CLEANED & PAINTED BATTERY BY SCRUCED Hyd. System AND INSTALLED NEW SEAL IN Any Pump.
L	11		San & Bullis A&P 1638836

YFAR: RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations FLIGHT TIME IN TACH Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair 2003 TIME SERVICE Facility. (See back pages for other specific entries.) DATE Removed Floor parties and inspected The Flap ACTUATOR TUDE. Found o.K. FOR FURTHER SERVICE.) 6.70 To De is all 1628836 INSTALLED TWO New PROPS. NC-MVK-2/MV7433 10 S/N H906 LEFT N 2110 RIGHT INSTALLED 13/200 3/592 IN ALW MAINTENDER MANUAL OFS CK'L SATISFACTORY fellow & They TA 490445524



umber of Technician or Repair

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

YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN Description of Inspections, Tests, Repairs and Alterations P/N 13889, 13836. Removed and replaced Vac Hose on RH ITechnician or Repairs and Alterations - Eng from pump to fire wall P/N 306-10. Repositioned RH ITechnician or Repairs and Alterations - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs and Alterations - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs - Eng from pump to fire wall P/N 306-10. Repositioned RH Itechnician or Repairs - Wing - Inboard and Outboard fuel filler gaskets P/N Itechnician or Repairs - UH Wing - Inboard and Outboard fuel filler gaskets P/N Itechnician or Repairs - 19051-000. Reconnected RH fuel selector cable and Itechnician or Repairs - Iubricated. Ops check satisfactory. Removed and replaced Itechnician or Repairs
			19051-000. Reconnected RH fuel selector cable and
			replaced strobe light. Removed and replaced steering collar. Removed and replaced RH landing generactuator. Removed
			and replaced cabin heater. Removed and replaced Attitude
			William L. Long A&P: 3259420

YEAR: RECORDING TODAY'S TOTAL **Description of Inspections. Tests. Repairs and Alterations** FLIGHT TACH TIME IN Entries must be endorsed with Name. Rating and Certificate Number of Technician or Repair TIME SERVICE Facility. (See back pages for other specific entries.) DATE TACH TIME 3161.58 REGIST No. N4971P I CERTIFY THE TRANSPONDER MODEL KT76 KING S/N (90)3 HAS BEEN TESTED AND FOUND TO COMPLY WITH FAR 91.413. APP F WHERE APPLICABLE I CERTIFY THE ALTIMETER/ALT.REPORTING/STATIC SYSTEM TEST REQUIRED BY FAR 91.411 AND PART 43 APP. E HAVE BEEN PERFORMED DATE 07/ ALTIMETER/ALT REPORTER TESTED TO 201000FT ALT/ENCODING ALT S/N 3988/69 MODEL 5934P-3 ABBAS ANTONICS INC. CRS # YBZR5941 W.O. # 5 SIGNED

25000 AFTER EFT. 30000 35000 YEAR: RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations TACH FLIGHT TIME IN TIME Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair SERVICE DATE Facility. (See back pages for other specific entries.) **ABBAS AVIONICS INC** CRS#YBZR594L 1500 CARGO ROAD AUGUSTA, GA. 30906 PH(706)-793-0074 FAX(706)-792-6101 MODEL 5934P-3 TYPE ALTIMETER SERIAL NO. 398869 MEGR. UNITED OWNER. N4971 ____ DATE () / R CALIBRATE REPAIR X CHECKED CERTIFIED TTIS3161.58 OVERMAUR W.O.# 5176 INSPECTOR, THE APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF FEDERAL AVIATION AGENCY AND APPROVED FOR 1/20/08 REMOVED LEFT OUTBOARD FUEL CELL; REPLACED WITH NEW. Remains Lett RUCAUR PROP CONPERSE; KABULAT BY BOLDUC ANIATION + RALINSTRANG LRAK CHACK, I GROUND RUN OKAY. 07603350 × 7/1



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ANNUAL INSPECTION PERFORMED PER PIPER PA23-235 SERVICE MANUAL. OPENED ALL INSPECTION PANELS AND INSPECTED TAND 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 GASCULATORS AND SCREENS. REPLACED LEAKING LEFT CURTIS GASCULATOR 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. 2009-118 SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

-Owen R. Wass

Jun Rycas

TA&P18449941A

DATE	TACH TIME	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.)
<u>. </u>				DATE MOTOTAL AIRCRAFT TIME 27 7 8.06
				I CERTIFY THAT THIS string HAS BEEN
	5			INSPECTED IN ACCORDANCE WITH AN
······				INSPECTION AND WAS DETERMINED TO BE IN AN
		· · · · ·	8.	AIRWORTHY CONDITION AND IS APPROVED FOR RE-
n <u> (* 18</u>				TURN TO SERVICE. SIGNATURE Revase A&P# 1A# 1844 894 Eq
				A&P# 1A#

- 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 5A02410AT SEE 337 ATTACHED FOR DETAILS. REMOVED AND REPLACED LEFT ENGIE ELECTRIC FUEL PUMP SWITCH P/N 487-790 OPS CHECK PERFORMED.

- 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 Rep Facility. (See back pages for other specific entries.)

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	6/23/2010	N4971P	PIPER PA23-235 APACHE	Aircraft Logbook	
-	TACH 3178.06				
			ft outbd. Fuel cell S/N CR1482 after repair by his, TN. Filled no leaks noted see form 8130-3 for de	etails.	<u> </u>
	2. Removed an Air Parts of Lock sending micro se	chaven see form	ht inbd. and outbd. Fuel tank sending units after Ο/ n 8130-3 for details. S/N 102059 & 102058 and adj	H by	
2 -					
			d in accordance with current regulations of the Fede for return to service for the work accomplished.	ral Aviation	
	- contrained during		Signed Pur A Wash		
1			Owen R. Wass A&	P1844994IA	
-					5741
-					
	1				

YEAR: DATE	RECORDING T TACH I 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 Repairs 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 ANDINSCTED CABLES, PULLEYS, FLIGHT CONTROLS AND LUBED. ISPECTED 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 GASCULATOR SCREENS. INSPECTED HEATER AND CLEANED HEATER GASCULATOR 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 SPECTS. 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

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A&P1844994IA

TEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
MATE			SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
R 1. R R Cy Cy Ch 2. Th	T.TACH 3178. Removed lea epiced with 1/6 is.and replace eck OK no lea Replaced O-F e above work	iking rubbe 3" OD alum d all O-ring ks noted. Ring in fuel	er fuel line be linum line. L Is & retainer cross feed o eted in accol ved for return	DATE 2/7/11 TOTAL AIRGRAFT TIME 3/ 19.14 I CERTIFY THAT THIS GAMEAR HAS BEEN INSPECTED IN ACCORDANCE WITH AN GAMEAR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RE- TURN TO SERVICE. SIGNATURE 9 4 PIPER PA23-235 APACHE Aircraft Logbook Atween the heater fuel regulator & the heater fuel line input. eak checked OK. Reinstalled cyls., serviced with hyd. Fluid and bled. Ops drain valve, leak checked OK. rdance with current regulations of the Federal Aviation n to service for the work accomplished. Signed Signed
				Owen R. Wass A&P1844994IA

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YEAR:	
DATE	WIPAIRE, INC.
	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:

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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.)
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5/4/2011 N4971P PIPER PA23-235 APACHE Aircraft Logbook RT. TACH 3190.63 LT. TACH 3189.57 Aircraft Logbook Aircraft Logbook

1. Removed and replaced right engine EGT probe Alcor part NO. 86156 red/brown leads. Ops check ok.

2. Replaced uper right brake cyl. Leaking hose replaced with new of same type,

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 Oronen It Wash

Owen R. Wass A&P1844994IA

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TEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Police and Oliverations	
	'	<u> </u> '	SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technic Facility. (See back pages for other specific entries.)	ician or Repair
/	6/25/2011 RT. TACH	10754 State 1	14971P TACH 3214.2	PIPER PA23-235 APACHE Aircraft Logbook	
	2. Remove Tulsa OK. proper oper Also replac 3. Remove The above	ved left engi Installed s eration. See iced hyd. Lir ved and repl	gine PESC hyd same unit on n e form 8130-3 ine inline filter. blaced broken s	d. Pump P/N 012023-015-01 S/N 998 and sent to Quality Aircraft Acc. Of return and serviced hyd. System with fluid and checked for leaks and 3 for details. A/C placed on jacks and gear and flaps function checked ok. stall warning wire left wing checked operation ops check ok. accordance with current regulations of the Federal Aviation return to service for the work accomplished. Signed	
	·			Owen R. Wass A&P1844994IA	
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YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, I Entries must be endorsed with Name, Ratin Facility. (See back pages for other specific e	ng and Certificate Number of Technician or R
DATE	<u></u>	<u> </u>	\vdash	Facility, (See back pages for other opcome o	
	4			·	
	10/14/201	11 N	4971P	PIPER PA-23	
	TACH RT	. 3.3 LEFT	ſ 3217.0		Aircraft Logbook
	Operation The above	al check fo e work was	or leaks and fu	er pack P/N 31800-2, S/N E285E and replace 918 waranty exchange unit from Cox Airparts unction, no defects noted. See for 8130-3 for a accordance with current regulations of the F r return to service for the work accomplished Signed <u>Proven Record</u>	s, LLC of Wichita, KS or details. Federal Aviation d.
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YEAR: RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE Description of Inspections, Tests, Repairement Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries for the second certificate Number of Tech Entries must be endorsed with Name, Rating and Certificate Number of Tech Entries for the second certificate Number of Tech Entries for the	
TACH TIME FLIGHT TIME IN SERVICE Description of Inspections, Tests, Repairement of the specificate Number of Techn Entries must be endorsed with Name, Rating and Certificate Number of Techn Facility. (See back pages for other specific entries.) 4/16/2012 N4971P PIPER PA23-235 APACHE Aircraft Logb LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 1. Inspected flight controls and lubed. 2. Removed and replaced pitot heat switch installed new p/n 487.000 Piper Pa23.000	
4/16/2012 N4971P PIPER PA23-235 APACHE Aircraft Logb LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 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 page	
4/16/2012 N4971P PIPER PA23-235 APACHE Aircraft Logb LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 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 one	
LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 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 one PIPER PA23-235 APACHE Aircraft Logb	
LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 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 one 2. Removed and replaced pitot heat switch installed new p/n 487 one	
LEFT TACH 4.2 TT 3228.93 RIGHT TACH 14.8 TT.3227.73 Aircraft Logb 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 poor point left wing concerning the pitot heat switch installed new p/n 487 poor	ook
Completed annual inspection in accordance with manufacturers inspection procedures manual. Section 2. Removed and replaced pitot heat switch installed new p/n 487 page.	ook
Inspected flight controls and lubed. Removed and replaced pitot heat switch installed new p/n 487 ppp	WOR .
Point left wind one should prot heat switch installed new pin 487 and	
point left wing one shared pitot heat switch installed new pin 487 and	
point left wing one phaced pitot heat switch installed new pin 487 and	
a new rest wing ops check ok.	
3. Removed and replaced left-and right tach p/n 32961. (mitchell) OLO LEFT THEK REALINE 5. Removed left, right and nose gear activation new p/n 487-860 ops check of	n n
5. Rimoved left, right and nose near nath light switch new p/n 487-860 ons chock all Kateline	
6. C/W Piper service bulletin 1160 and removed stabilator, cleaned torque tube and aplied Dinitrol AV8 and 7. Removed and replaced right tire tube and brake adhered using all new bolts and bearings. One all	
10 Interior and anti-	
 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. Ops check ok. 8. Performed gear operational check and manual and 	0
tires wheels broken and replaced right fire tube and brake of hand a sing all new bolts and bearings. Ons check and	
tires wheels brakes serviced brake reservoir.	7
8. Performed gear operational check and manual extensin no defects noted reservoir was serviced. 9. Removed fuel gasculators and inspected in	
Conception of the second secon	
5. Removed fuel gasculators and inspected and the second s	
9. Removed GO2 canister and weighed no change. 9. Removed fuel gasculators and inspected andcleaned screens reinstalled with new gaskets replaced left 10. Cleaned landing gear and struts and lubed	
10. Cleaned landing gear and struts and/ubed	
I NUMPA and rankes in the state of the state	and the second
12 Repared ware toplaced bad hut plates left and right aswing the	
11. Removed and replaced bad nut plates left and right cowling attach points. 12. Repared worn boot on right carb air intake box. 13. Performed ELT operational check left.	
hatten direct (perational check per FAR 91 207(D) have	01150
datery due 4/2016	-ven
 13. Performed ELT operational check per FAR 91.207(D) batterys due replacement 4/2017 remote switch battery due 4/2016. 	. >
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YEAR:	RECORDING TACH TIME	LEFT 36.8	N4971P TT. 3260.73	PIPER PA-23	Aircraft Logbor
DATE		Completed	annual inspection in	accordance with manufacturers inspection pr	
		1. Replaced	leaking left brake li	ine from master cyl. To connection point in fus	ocedures manual,
	<u>}</u> -				
		3. Installed	Power Adapter, TSC	inspected, also inspected all flight controls and D-C-71. Part No. I S03.05075 from the second	d lubed.
		 4. Inspected 5. Performed 	Wheels, tires and i	brakes no defects noted.	vistion Manuel Line
				brakes no defects noted. ional check & manual extension no defects no CO2 canister and weighed no change.	
		7. Performed	ELT operational ch	CO2 canister and weighed no change. Int plates left and right cowling attach points.	
		8. Cleaned Is	eplacement 4/2016	Datteries due replace	
		9. Replaced	landing and taxi ligh	it and uped.	
		0k. 10. Chooked		its and lubed. It and checked operation of all lights, stall warr	ing and pitot heat ops check
1.1		11. C/W AD :	72-11-01 insported	to heat directional control ops check ok.	
		12. C/W AD 8	S1-04-05 incomented	a stains noted next inspired	ection due 50 hrs
		outipiete iistii	lig.	LOUD SEE AL C	mpliance record for
		I certify that the transfer to be in an air	his Aircraft has been worthy condition.	n inspected in accordance with an annual inspe	ection and was determined
				Signed June Rewass	
	-			Owen R. Wass A	&P1844994IA

RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests Entries must be endorsed with Name, Rat	, Repairs and Alterations ting and Certificate Number of Technician or Repair
7/13/2014	100 M 100	71P	PIPER PA23-235 APACHE	Aircraft Logbook
TACH LEF	T 46,8 TT.:	3270.73		
 Completed 	annual insp	pection in acc	ordance with manufacturers inspection pro	cedures manual
1. Remove	d and repla	ced all brake i	pads right brake and checked and serviced	
2. Performe	ed ELT oper	rational check	per FAR 91.207(D) batteries due replacer	mont 4/2017 romate available
battery due	4/2016.		por rola con 201 (b) batteries due replacer	herit 4/2017 remote switch
3. Inspecte	d wheels, ti	res and brake	IS.	
Inspection	on panels re	moved and in	spected, inspected all flight controls and tr	ibed
o. Perrormi	ea gear and	i flap operatio	nal check and also manual extension no d	efects noted
o. inspecte	a oleo strus	and cleaned	and lubed.	
7. Checked	operation of	of all lights, pit	tot heat and stall warning.	
8. Reinstall	ed leaking o	cross feed val	ve after O/H by The Aviation Group LLC Se	cott P/N 4600 S/N 113013
vermeu ope	ration see t	orm 8130-3 to	or details.	
9. Remove	and replace	ced fuel pump	circuit breaker P/N W23-15 amp.	
	11EU AA-100	5/N 1/969 a	fter repair by Avionis Of Minnesota see forr	m 8130-3 for details.
12 Checko	d AD comm	inspected rue	cell vent lines for blockage none noted ne	xt inspection due next annual.
	u AD comp	nance arrough	the AD Toolbox Rev. 2014-06B.	
to be in an	airworthy co	t has been in: Indition.	spected in accordance with an annual insp	ection and was determined
			Signed Juren Paran	······
			Owen R. Wass	A&P1844994IA

.

MAKE. Piper MODEL: PA-23-235 S/N: 27-573 REG_NO_4971P WORK ORDER: ANE13120-07_2014

Airframe Entries

(1) Both radios reported weak on transmit audio.

Tower says clear but weak...... Customer authorized Cirrus Flight to bug aircraft to our facility from customer hangar 2557 east New Hampshire. (Cirrus will bill separately)[ITEN (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.

R.C. Avionics, Inc.

Building 2161 Missouri Row

3891 Airort Road B-7

Phone: 763-398-3920

Blaine MN 55449

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



chnician or Re

MAKE: Piper MODEL PA-23-235 SN 27-573 REG. NO: 4971P WORK ORDER ANE 13120-07-2014

Airframe Entries



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

DATE 7/16/2014 A/C TSN: 56.8 TACH: 56.8

or Repair

(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](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 partil 006-00179-0006 Rev 6 dated Oct. 1994. KX-155 louder that Garmin. Pull radio, readjust on bench. Change headset mic wind filter to one that blocks less sound getting thruit. Found problem with #2 nav indicator. Unit is 25 degrees off on all headings and has low course width sensitivity. [[TEM](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](6) Replace #2 indicator and radio and ramp test.... Replace #2 indicator and KX-155. Ground tested per King installation manual partie

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

Printed by EBis 3 (datcomedia.com)

AR: RECORDING TACH TIME	TODAY'S TOTAL FLIGHT TIME IN SERVICE	Description of Inspections, Tests, I Entries must be endorsed with Name, Rating Facility. (See back pages for other specific e	g and Certificate Number of Techn
TE	1 1	Facing, (See back pages for other specific en	
7/1/2015	N4971P	PIPER PA23-235 APACHE	Aircraft Logbook
TT 3294.0)		-
Complete	d annual inspection in ad	cordance with manufacturers inspection proc	edures manual.
1. Inspect	ion panels removed and	inspected cables, pulleys, all fight controls an	id lubed.
2. Inspect	ed wheels, tires and bra	kes. Serviced brake reservoir with 5606 hyd fl	
battery du	ied ELT operational che le 4/2016.	ck per FAR 91.207(D) batteries due replacem	ent 4/2017 remote switch
4. Remov	ed and replaced right fue	el sender with an O/H unit S/N012290 from Ai	r Parts of Lockhaven, Inc.
new gask	ets and sealsalso installe	ed ops check ok see form 8130 tags on file.	
5. Periom	d all lights, stall warning	tional check and also manual extension no de	fects noted.
9. Inspect	ed oleo struts cleaned. a	and lubed	-
10. C/W A	D 88-21-07 inspected fu	iel cell vent lines for blockage none noted due	again next annual.
11.C/w AI	0 72-11-01 inspected bo	ttom of wings for fuel stains none noted due a	gain in 50 hours.
12. C/W A	D 81-04-05 inspected fl	ap hinges no defects noted due again 100 hrs	. –
the manufacture contracts	venues and second second	igh the AD Toobox Rev.2015-05B.	
	at this Aircraft has been airworthy condition.	inspected in accordance with an annual inspe	ction and was determined
		Signed Com R WARK	
		Owen R. Wass A	&P1844994IA -

- ----

WEAR:	RECORDING TACH TIME	TODAY'S	TOTAL TIME IN SERVICE	Entries must be endorsed with I	is, Tests, Repairs and Alterations Name, Rating and Certificate Number of Technician or Repai
BATE				Facility. (See back pages for oth	er specific entries.)
7/1/201	5 NA	971P	DIDE		
TT 329		97 IF	PIPE	R PA23-235 APACHE	Aircraft Logbook
for leak	age none note	inspected ed.	plungers and	d. Valves and installed two new housings no defects noted. Blee	system and checked valves
The about the Administration of the Administ	ove work was stration and is	completed approved	for return to se	e with current regulations of the F ervice for the work accomplished	
			Signe	of Burn R.Wash	·
		<u> </u>		Owen R. Wass	A&P1844994IA
					······
1000 					
				_	



YEAR:	RECORDING	TO FLI	Date: 6/01/2017	Hours: TT. 3300.7	Tail: N4971P
DATE			Make: PIPER	Model: PA23-235	Serial: 27-573
			 Inspection panels removed and Inspected wheels, tires and brail Replaced ELT batteries due replaced expected wheels operational oheck performered per- dependence of the performered per- dependence of the performered per- sector of the performered performered per- dependence of the performered performered to the performed operational check of the Removed and weighted the emile Performed operational check of the performed operational check of the performed operational check of the Inspected performed operational check of the performance operformance operational check of the performance operational ch	n drag link bolts L&R Per Piper SB 1299 inspe reservoir with 5606 and performed ops check d O/H by HR, INC. AL. P/N 484085/walve repla- ectrical Redding Cal. C /W Piper SL 1188 lam- inges. Checked AD com pliance through the ected bottom of wings for fuel stains none mo orgency CO2 cartridge, weighed 132g, cartrid pitot heat.	lubed. Iluid. X281 due 3/2024 ected socid and filler P/N ding gear hyd. system filter maint. C/W AD 88-21 AD Toolbox Rev. sted due again 50 hrs. Ige is within specifications,
			Name: Owen R. Wass	Cert;	A&P1844994IA
			Signature:	er Acwase	a na na sa

10 142 10 12

LEFT ENGINE LOG

Engine Record General Information		
Manufacturer <u>LCMING</u> Serial <u>L-3.359-40</u>	Model	0-540-ALDS
This engine is currently installed in airc	craft <u>N4971P</u>	
Minimum Octane Fuel	Oil Grade: Summer	Winter Firing Order
Magneto Time <u>25</u> °	Point Setting	Firing Order
Spark Plug Gap		
Manufacturer recommended overhaul a	t ha	ours

Notes All PREVIOUS LOG BOOKS LOST IN AN ESTATE SALE PREVIOUS Pitot And The MECHANIC THAT MAINTAINED AIRCRAFT Reported TO ME THAT BOTH ENGINES HAD LESS THAN IDO HOURS SMOK. ENGINE in spection APPEAR TO VER: FY This. ENGINE Times in New LOG Will START AT 100 HOURS SMOH. TOTAL Time UNKNOW N But WAS TOLD THIS WAS FIRST OVERHAAL DR. THIS ENGINE. - POllis ASP 1628536

YEAR: 2002 DATE	RECOADING 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			100	Removed All Plugs And STORAGE Dils
	s. %.		-	FRom ENGINE . FLushed All CyLS.
				Replaced All BAFFEL SEALS + INSTAlled New
· · · ·				Coils And Condensers - Points in Both MAGS.
				Timed - Replaced oil and Fuel Flex Lines.
-				RepAIRed GENERATORS INSTALLEd New OIL FiltER
				And 12 QTS- Phillips x country DiL. RAN ENS.
				And All Check O.K. Plugguere cleaved and
				ReinsTA/kda Sam POlithis APP 1628836

IAR:	RECORDING	TODAY'S TOTAL Description of Inenestions Task Donnin and Alta	rations
TE .	TIME	INCR.	ber of Technician or Repair
		Left Engine	
		N4971P	
		Date: 7/15/08 Tach: 3159.8 EngTTsmoh: 102.7	
		Removed all cylinders to comply with piston pin AD,	
2		installed with new rings, seals and gaskets. Removed all	
- 2		accessories and accessory housing, removed and replaced oil	
<u> </u>		pump, and reinstalled accessories and accessory housing.	
		Ops check satisfactory. Removed and replaced carb. Ops	
		check satisfactory. Compression: 1) 68/80 2) 60/80 3) 68/80 4) 60/80 5) 62/80 6) 70/80. Removed and replaced Vac	
		Pump. Removed and replaced Rocker Arms. Removed and	
		replaced starter. Removed and replaced throttle cable and	••
		tach cable. Removed spinner, repaired and reinstalled.	
		ach caule. Nemoved spinner, repaired and reinstance.	


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.)
12/07/20	009 TACH 31	L78.06 TSC	DH 120.96 L	EFT ENG.
ENICINIC				

ENGINE 100HR/ANNUAL INSPECTION PERFORMED 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 ANDBAFFLE 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 REINSTLLED SPINNER. - PERFORMED AD SEARCH THROUGH THE AD TOOLBOX REV. 2009-11B SEE AD COMPLIANCE RECORD FOR COMPLETE AD LISTING.

Owen R. Wass

Que Rulass -A&P1844994IA

10	a at atta	 	·		12 - 12 I.M.
		 		· · · · · · · · · · · · · · · · · · ·	

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
DATE				Facility. (See back pages for other specific entries.)
				DATE <u>1267/51</u> TOTAL AIRCHAFT TIME <u>3178: 06</u> 1 CERTIFY THAT THIS <u>my t prop</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>on orderal</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RE- TURN TO SERVICE. SIGNATURE <u>Runn</u> A&P# IA# <u>1844994</u>
		<u> </u>		

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

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

Jun rewass

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.)
-				ent sold
				DATE 3/7/11 TOTAL AIRCHAPT TIME 122.04
				I CERTIFY THAT THIS My the HAS BEEN
-				INSPECTED IN ACCORDANCE WITH AN annual
-				INSPECTION AND WAS DETERMINED TO BE IN AN
				AIRWORTHY CONDITION AND IS APPROVED FOR RE-
				TURN TO SERVICE. SIGNATURE Suren & Wals
				SIGNATURE Jeven & Waln A&P# 1A# 1844994
			-54 3	

AR:	RE TA	4/16/2012				107 Ferrar
	ŤIJ	TACH 4.2 TS	N4971P	PIPER PA23-235 APACHE	Engine 1 Logbook	
	_					
		Completed ar	nual inspection in a	ccordance with manufacturers inspection pro-	cedures manual.	
		 Changed o cut open old f 	il and filter serviced filter and inspected n	with 10 qts Shell 15W50 oil and installed new to contamination found.	Champion CH48110-1 filter	
		Compressi	on check #1 78/80 # prque on all oil sump	2 64/80 #3 70/80 #4 78/80 #5 78/80 #6 79/80) RIST THERE	
		Removed c	old Bendix ignition kil	t and installed new Slick kit p/n K-6526-40 net d new Lycoming p/n LW12136 and timed to e	w mags, harness and spark	
_		5. Drained ca	rb. and checked for a	contamination	engine.	
		6. Removed a	and cleaned all fuel p	primer nozzles and checked operation		
		 Repaired e. 	xhaust shroud by rep	placing missing screws		
		Inspected a	all fuel and oil lines.			
		9. Inspected a	altalternator, belt, sta	irter and wiring.		
		10 Inspected	engine baffles and s	eals		
		11. Removed 12. Inspected	and replaced install propeller blades and	ed serviceable used carb.heat shroud from V	Ventworth aircraft parts.	
		13. Checked /	AD compliance throu	igh the AD Toolbox rev. 2012-04B see AD col		
		listing.	ie compliance anda	git the AD TOOLOX Tev. 2012-04B see AD col	mpliance record for complete	
		I certify that th	is Aircraft has been	inspected in accordance with an annual inspe	ection and was determined	
	_	to be in an ain	worthy condition.		colon and mas determined	-
	_			Signed Gwer H. Wa	0R	
				Owen D Mass		

Owen R. Wass A&P1844994IA

100 miles



YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Test Entries must be endorsed with Name, Ra	ating and Certificate Number of Technician or Repair
DATE				Facility. (See back pages for other specif	ic entries.)
	8/27/2012	N4	971P	PIPER PA23-235 APACHE	Engine 1 Logbook
	TACH 25.1				
	_ REPLACE	LEAKING	OIL RETURN	N LINE	
	1. Remove	d and repla	aced #5 cylind	der oil return line P/N SL68761. Found loo	ose baffle retainer rod came
	loose and v	wore hole i	in tube. Reins	stalled rod and used all new hardware on i	retaining rods.
	The above	work was	completed in	accordance with current regulations of the	Federal Aviation
	Administrat	tion and is	approved for	return to service for the work accomplishe	ed
	4			Signed Juren 90	vare
				Owen R. Was	s A&P1844994IA
			r		· · · · · · · · · · · · · · · · · · ·
	6-10-10-10-				
					- *** • • • • • • • • • • • • • • • • • •

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.)		
	6/6/2013	N497	71P	PIPER PA23-235 APACHE	Engine 1 Logbook	
	1. Changed filter. Cut op 2. Compress 3. Drained c 4. Checked 5. Inspected 6. Insstalled details STC 7. Inspected 8. Inspected	nnual insp poil and filtre en old filte sion check arb and ch fuel primer exhauxt s new Brack SA693CE all fuel ar l alternator AD'S throot this Aircra	ection in acco serviced with ar and inspecte #1 70/80 #2 6 necked fuel inli- r nozzles for p system andrep kett BA-104 ai nd oil lines no r, belt, starter ugh the AD To aft has been in	spected in accordance with an annual ins	FAA 337 dated this date for	

.

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.)

7/13/2014 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 erviced 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 Charm HUaso

Owen R. Wass A&P1844994IA

7/1/2015 N4971P PIPER PA23-235 APACHE Engine Logbook TACH 70.1 TSOH 236.13 Completed annual inspection in accordance with manufacturers inspection procedures manual. 1. Changed oil and filter seviced with 10 gts 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 Sure RUN GAR Owen R. Wass A&P1844994IA

YEAR:

DATE

RECORDING

TACH

TIME

TODAY'S

FLIGHT

TOTAL

TIME IN

SERVICE

YEAR:	AI 17 1	Date: 6/01/2017	Hours: TSOH 243.03	Tail: N4971P		s Technician or Rep
DATE		Make: PIPER	Model: PA23-235	Serial: L-3359-40		
		Comments:	e di manang pandang kana ang atang ang manan ang na ang manang pang manang na na Ing na	na na bana na manana na manana na <mark>manana</mark> kana amin'ny amin'ny tanàna amin'ny tanàna amin'ny tanàna mandritra dia	na na mana ang pana ang ang ang ang ang ang ang ang ang	
		Collarged bination lines, services Coll sample was taken and sent Compression check #1 75/80 Checked magneto to engine tir Inspected fuel and oil times, th Checked AD's through the AD Checked AD's through the AD	coordance with manufacturer's inspection proce d with 10 qts. Aeroshell SO filter was cut open al to Biackstone laboratories for analysis. Report 27 70/80 #3 70/80 #4 75/80 #5 70/80 #6 80/80. ming. Drained carb, bowl. Inspected baffles ar spected alternator, belt, starter and winng. ed. Inspectedair filter and found ok for continue Toolbox Rev 2017-May. ation and repaired carb, heat sensor lead	nd inspected, t on file. id baffle seals.		
		Control Contro	ected in accordance with an annual inspection	and determined to be.		
	+				×	
	+				¥.	<u> </u>
			and when the case of the state of the	na ang ang ang ang ang ang ang ang ang a	1 1 1	
		Name: Owen R. Wass		A&P1844994		
		Signature: Our	er nwasa	an a	t offension a second of sec	,
			angan ang ang ang ang ang ang ang ang an			<u> </u>

RIGHT ENGINE LOG

Engine Record General Information			
Manufacturer	Model	540-A105	
Serial <u>L-3356-40</u>		Type Certificate	
This engine is currently installed in aircraft	N4971P		
Minimum Octane Fuel91-96	Oll Grade: Summer	Winter	
Magneto Time25°	Point Setting	Firing Order	
Spark Plug Gap			
Manufacturer recommended overhaul at	hours		

All PRENIOUS LOG BOOKS LOST IN AN ESTATE SALE, PREVIOUS Pilot And The MECHANIC THAT MAIN TAINED AIRCRAFT Reported TO ME That Both ENGINES had Less THAN ION HOURS SMOH. ENGINE INSPECTIONS AREAR TO VERILY 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. Son & Delaris # OF 1620436

Notes

YEAR: Javje 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		-9 	100	Removed All Plues Arvo STORAGE OILS FROM
			•	ENGINE-Flushed Cyls. Replaced All BAFFel
				SEALS. FNSTAllad New Coils And Condenser
	_	n 1		Points in Both MAGS-Timed- Cleaned 6
. <u></u>				Reinstalled Places - Replaced Oil mite Fuel, Hyb
				Flex LiNes- GENERATOR Repaired But Not
				iNSTALLED - INSTALLED NEW Oil FILTER And
<u> </u>				12 Ots Phillips X Country DiL. PRE DiLed EN
				TO SO IBS. FNG HAS NOT BEEN STARTED.
				Sellaris



	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.)
10/0	7/2000	3175.0			Removed AND RepLACED RAYINE DRIVEN
·	-	2			FUEL PUMP. 7/N LW15472 WAS
-					INSTAILED OF ON ECKED SATTOGACTORY INSTRILED PUMP IN A/W Lycoming SERVICE MONUMI Achilam Cong NOP 3258420
					INSTAILED RUMP IN A/W Lycoming
					Service-monin / hhadiam thing
					R&P 3258420
1					
					
1					

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.)
- 10 million				

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

Quen & wass

-**A&P1844**994|A

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			0. DA					
								2012 BAR 100

YEAR:	RECORDING TACH TIME	TODAY'S FLIQHT	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 12/07/0 TAL AINCRAFT TIME 3178.06
				CERTIFY THAT THIS 200 F AND HAS BEEN
				INSPECTED IN ACCORDANCE WITH AN
				INSPECTION AND WAS DETERMINED TO BE IN AN AIR PORTHY CONDITION AND IS APPROVED FOR RE-
				A&P# 1A#
et Materia				
				

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

Burn & wass

A&P 1844994IA

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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 Repa Facility. (See back pages for other specific entries.)
				ABP# 1A#

					Contraction of the local division of the loc
EAR:				- Paneirs and Attorntione	
TE	4/16/2012 TACH 14.8 T	N4971P	PIPER PA23-235 APACHE	Engine 2 Logbook	chnician or Repair
	Completed and 1. Changed oil Cut open old fi 2. Removed of plugs replaced 3. Checked tor 4. Drained carb 5. Removed ar 6. Replaced we 7. Compressio 8. Inspected at 10. Inspected at 10. Inspected at 11. Inspected a 11. Inspected at 12. Checked A listing. 13. Reinstalled overhaul by Aet	nual inspection in a and filter serviced lters and inspected d Bendix ignition ki cushions installed que on sump bolts and checked for c and checked for c d cleaned all fuel p orn carburator heat n check #1 62/80 # el and oil lines for l ternator, beit, start engine baffles and s propeller and hub d D compliance throu inbd. Exhaust stac rospace Welding M s Aircraft has been	orimer nozzles and checked operation. hose with new scat tubing. 2 60/80 #3 68/80 #4 80/80 #5 78/80 #6 70/80. eaks. er and wiring. seals. ressed blades. Jgh the AD Toolbox rev. 2012-04B see AD con k, crossover pipe, nozzle assy. And right and I linneapolis Inc. See FAA Form 8130-3 for deta inspected in accordance with an annual inspe-	ampion CH48110-1 filter. v mags, harness and spark ne. LEFT SUSA hpliance record for complete eft shroud assembilies after ils. ction and was determined	
_			Signed Owen Rula	n	

Owen R. Wass A&P1844994IA

YEAR:	-			
	6/6/2013	N4971P	PIPER PA23-235 APACHE	Engine 2 Logbool
DATE	- TACH 46.8 1	TSOH 202.63		
	Completed a	nnual inspection in a	ccordance with manufacturers inspection pr	ocedures manual.
	1. Changed of filter. Cut op 2. Compress	oil and filter serviced en old filter and inspe ion check #1 62/80 #	with 10 qts Aeroshell 15W50 oil and installe ected for contaminaton none noted 2 74/80 #3 79/80 #4 77/80 #5 72/80 #6 80/8 ed carb inlet screen for contamination none i	d new Tempest AA48110-2 30.
	4. Checked f	uel primer nozzles fo	r proper operation.	
	5. Repaired of	carb heat control cab	le.	
1	6. Inspected	all fuel and oil lines r	to defects noted.	
	8. Removed – 4222 S/N A3 9. Inspected	starter and replaced 14022 see form FAA alternator, belt, start	er and wiring	
	- 10. Installed details STC-	new Brackett BA-104	filter assy. With new BA-3 element see FA	A 337 dated this date for
	11. Removed	d Hartzell govener S/ FAA form 8130-3 fo	N 5534F and sent to Maxwell Aircraft Servic or details engine was runup ops check ok.	
	12.Checked	AD's through the AD	Toolbox REV 2013-05B see AD compliance	e report for status.
	I certify that t	this Aircraft has beer inworthy condition.	inspected in accordance with an annual ins	spection and was determined
		and any openation.	Signed Juren & Wa	ss
			-	A&P1844994IA

'EAR:	RECORDING TACH TIME	H FLIGHT 1		TOTAL TIME IN SERVICE Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of		
ATE				Facility. (See back pages for other spe	cific entries.)	
7	/13/2014	N4971F	b	PIPER PA23-235 APACHE	Engine 2 Logbook	
— 1	ACH 56.8 TS	0H 212.63	3			
0	completed ann	ual inspect	tion in accord	lance with manufacturers inspection pro	cedures manual.	
	ilter. Cut open Compression C	old filterr a check #1 bowl and ark plugs a gneto to en fifles and s ernator, be and fuuel ompliance	and inspected 68/80 #2 72/ inspected inli- and reinstalle ngine timing. eals. elt, starter an- lines. Replac through the	ed Brackett air filter installed new BA3 (AD Toolbox Rev 2014-06B .	D. Blement.	
	certify that this o be in an airw			ected in accordance with an annual insp	pection and was determined	24
				Signed Sur Rau	<i>.</i>	
				Owen R. Wass	A&P1844994IA	

YEAR: RECORDING TACH TIME TODAY'S FLIGHT TOTAL TIME IN SERVICE Description of Inspections, Tests, Re Entries must be endorsed with Name, Rating Facility. (See back pages for other specific entorsed)	and Certificate Number of Technician or Flag
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PIPER PA23-235 APACHE

7/1/2015 8 N4971P TACH 199 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 openand ispected.

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 engin 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 June Rewass

Owen R. Wass A&P1844994IA

Engine 2 Logbook

Date: 6/012017 Make: PIPER	Hours: TSOH. 343.43. Model: PA23-235	3 0 R W Tail: N4971P Serial: L-3356-40	e rations Imber of Technician or Repair
Sample of oil was sent to Blacksic 2. Compression check #1 70/80 # 3. Checked magneto to engine tin 4. Inspected engine baffies and si 5. Inspected oil and fuel lines. Checked airbox, lubed and inst 5. Checked alDis through the AD	eals. 9r and wiring.	and inspected.	
lame: Owen R. Wass	Cert: 4 U. M.Wass	&P1844994IA	

LEFT PROP LOG



Propeller Record General Information			
Propeller Manufacturer <u>HC-MVK-2</u>]			
Model <u>HC-A2MVK-Z PER</u>			
Hub Series #	Blade #		
Date of Manufacture			
			,
Make/Model		Serial #	
Aircraft Installed On: PA 23-230		27-573	

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□ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS

Year: 2.007	Total Time in Service	Description INSTALLED PROPERLER ON LEFT ENGINE
Date: 5/3		Description INSTALLED PROPERLER ON LEFT ENGINE
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 #

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RIGHT PROP LOG



Propeller Record General Information	
Propeller Manufacturer <u>HRRTZELL</u> Model <u>HC-mUK-2</u> MV8433-	. /0 Type
Hub Series #H906	Blade #
Date of Manufacture	
Make/Model	Serial #
Aircraft Installed On: PA 23-235	27-573

Year: 2007	Total Time in Service	Description INSTAILed PROJECTED ON RIGHT ENGINE
Date: 5/3		Description INSTAILed PROJECTED ON RIGHT ENGINE Million Reg ATP 480443524
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 #

□ HUB & BLADE INSPECTIONS, REPAIRS AND ALTERATIONS