

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N83685

Engine Manufacturer Lycoming

Model IO-360-C1C6

Serial No. L-14619-51A

DATE _____

N83685 Tach 1857.9 June 10, 2004

1. Complied with annual inspection IAW FAR 43 appendix "d"
2. Complied with AD 02-26-01 effective date 01/31/03 fuel injector lines by visual inspection. No defects noted.
3. Changed oil and filter. Installed a new CH48110 filter and 7 quarts Aeroshell 80.
4. Compressions #1 77/80, #2 75/80, #3 78/80, #4 76/80.
5. Cleaned, gapped, inspected and rotated all spark plugs.
6. Inspected exhaust and intake systems.
7. Cleaned engine.

END.

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

Shane Benedetto AP572411214IA

N83685 Tach 1956.9 September 05, 2004

1. Complied with 100 hr inspection IAW FAR 43 appendix "d".
2. Complied with AD 02-26-01 effective date 01/31/03 fuel injector lines. No defects noted. Next due 2056.9
3. Changed oil and filter. Installed a new CH48110 filter and 8 Qt. Aeroshell 80 oil.
4. Compressions #1 78/80, #2 77/80, #3 76/80, #4 77/80.
5. Cleaned, gapped, inspected and rotated all spark plugs.
6. Washed engine and aircraft.

END

I certify that this engine has been inspected in accordance with an 100 hour inspection and been determined to be in airworthy condition.

Shane Benedetto AP572411214IA

N83685 Tach 2056.5 February 11, 2005

1. Complied with 100 hr inspection IAW FAR 43 appendix "d".
2. Complied with AD 02-26-01 effective date 01/31/03 fuel injector lines. No defects noted. Next due 2156.5
3. Changed oil and filter. Installed a new CH48110 filter and 8 Qt. Aeroshell 80 oil.
4. Compressions #1 77/80, #2 77/80, #3 77/80, #4 78/80.
5. Cleaned, gapped, inspected and rotated all spark plugs.
6. Washed engine and aircraft.

END

I certify that this engine has been inspected in accordance with an 100 hour inspection and been determined to be in airworthy condition.

Shane Benedetto AP572411214IA

IN
SERVICE

SINCE
OVERHAUL

METER
TIME

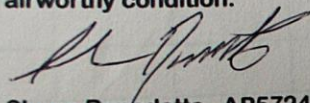
previous page

N83685 Tach 2149.5 May13, 2005

1. Complied with 100 hour inspection IAW FAR 43 appendix "d".
2. Changed oil and filter. Installed a new CH48110 filter and 8 Qt. Aeroshell 80 oil.
3. Compressions #1 76/80, #2 75/80, #3 78/80, #4 78/80.
4. Cleaned, gapped, inspected and rotated all spark plugs. Installed 5 new REM38e plugs.
5. Repaired #4 exhaust pipe.
6. Run up and leak check all good.

END

I certify that this engine has been inspected in accordance with an 100 hour inspection and been determined to be in airworthy condition.



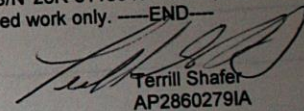
Shane Benedetto AP572411214IA

October 20, 2005
N83685
S/N: 28R-8118046
Tach: 2160.6
TSMOH: 0.0



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Installed engine IO360-C1C6 S/N L-14619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operational check satisfactory. Aircraft is approved for return to service for the above accomplished work only. **—END—**



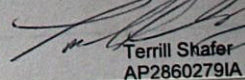
Terrill Shafer
AP2860279IA

October 25, 2005
N83685
S/N: 28R-8118046
Tach: 2171.7
TSMOH: 11.1



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed compression test: #1 73/80 #2 75/80 #3 74/80 #4 75/80. Drained engine oil, removed and examined oil filter, no contamination found. Serviced with 8qts Aeroshell 15W50 and CH 48110-1 filter. Operational/leak satisfactory. **—END—**



Terrill Shafer
AP2860279IA

DATE: 10-03-05
MODEL: IO-360-C1C6

TSMOH: 00:00
SERIAL: L-14619-51A

TACH: 2160.6
N83685

This engine was Overhauled this date in accordance with Lycoming Parts Manual PC-406-1, Overhaul Manual 60294-7 and all Service Bulletins, Letters and Instructions. Crankshaft Overhauled and Certified Mains M.003 and Rods M.006, see tag. New Camshaft and Lifter Bodies. New Hydraulic Units and Sockets. Crankcase inspected as required. Connecting Rods Overhauled and Certified, see tag. Internal Steel Magnaflux inspected and certified, see tag. Engine assembled with the following new parts; 2 each 18A19441M003 Bearings; 4 each 18D23135M003 Main Bearings; 8 each LW-16143M006 Rod Bearings; 8 each 75060 Rod Bolts; 8 each SL-12186 Rod Nuts; 1 each SL-STD-2213 Crank Gear Bolt; 1 each LW-15473 Fuel Pump; Lycoming Nitrided Steel Complete Cylinder Assemblies installed with all new parts and new Piston Pins and Rocker Shafts. Rocker Arms reworked as required. Fuel system reworked as required. Governor inspected as required. Starter and Alternator reinstalled as received. Engine Tested in accordance with Lycoming Overhaul Manual 60294-7 and is approved for return to service. For details concerning this Overhaul, please refer to WO#3181 on file at this Repair / Overhaul Facility. Maintenance Release Tags supplied with this Logbook Entry. -----

J. F. Folchert
A&P 2689458

FOR

END -----
Aircraft Cylinders and Engines, Inc.
625 Buss Avenue
Greeley, CO 80631

December 7, 2005
N83685

S/N: 28R-8118046
Tach: 2172.6

ACTT: 6687.1 TSMOH: 12.0 Prop TSN: 12.0



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of engine for annual of N83685 in accordance with FAR 43 appdx D and a checklist. CW AD 02-26-01 by inspection of fuel injection lines law S.B. #342A. Due every 100hrs. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. ---END---


Terrill Shafer
IA2860279

N83685 May 17, 06 T12221.1
Change oil and filter. Inspected
the filter. No defects noted.
Serviced the engine with aeroshell
100 w. Groundops OK.
David A. Johnson AIP 2200719

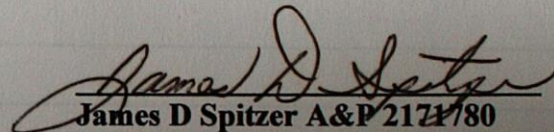
TOTALS brought forward from previous page

DATE: JULY 8 2006
TACH TIME: 2265.3
ENGINE: IO-360-C1C6
S.M.O.H. 104.7

N83685
TOTAL TIME: 6779.8
S/N-

S/N 28R-8118046

Drained oil, removed oil filter and inspected for contamination, none noted at this time. Installed new filter (CH 48110-1) and serviced engine with 8 quarts of AEROSHELL 100W Oil. Cleaned, gapped and rotated spark plugs. Compression Check #1-78/80, #2-80/80, #3-78/80, #4-78/80. Installed new Oil Quick Drain(P5000) and checked clearance of drain valve with Nose Gear retract mechanism. All clearances are good. Lubed Engine controls. Ground Run-UP and leak check completed-No Leaks at this time. I Certify that this Engine has been inspected in accordance with a 100HR Inspection and was determined to be in airworthy condition at this time.

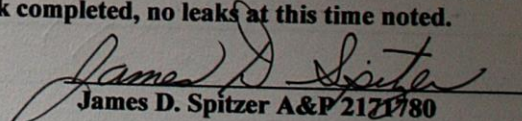

James D Spitzer A&P 2171780

DATE: NOVEMBER 4, 2006
REG. #: N83685
TACH TIME: 2314.0
ENGINE: LYCOMING IO-360-C

PIPER ARROW
HOBBS TIME: 2450.8

PA28RT-201
S/N: 28R8118046
S/N: L-14619-51A

Drained Oil, Removed Oil Filter and inspected for contamination, none noted at this time. Installed new Oil Filter (P/N CH48110-1) torqued and safetied. Serviced Engine with 7 quarts of PHILLIPS X/C 20/50 Engine Oil. Ground Run-up and leak check completed, no leaks at this time noted.

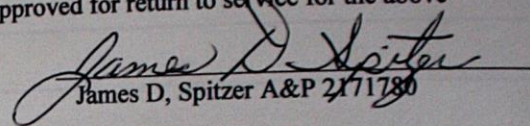

James D. Spitzer A&P 2171780

DATE: December 8, 2006
TACH TIME: 2315.5
ENGINE: IO-360-C1C6
ENG. T.T:

N83685 S/N: 28R-8118046
TOTAL TIME: 6830.0
S/N: L-14619-51A
ENG. T.S.O.H.: 154.9

Completed a 100hr Inspection of this Engine in accordance with FAR 43 Appendix D and a checklist. Compression Check as follows, #1 - 78/80, #2 - 78/80, #3 - 80/80, #4 - 80/80. Cleaned, re-gapped and rotated the spark plugs, inspected oil and fuel lines and engine for signs of leakage none noted. Tighten all rocker cover screws to 50in. lbs per Lycoming M.M.. Inspected fuel injector line per S.B. #342A to C/W A.D.02-26-01, no defects noted at this time. Next inspection due at 2415. Removed oil quick drain (P5000) to comply with A.D. 81-11-02R1 for oil loss due to incorrect quick drain installations, and installed original square pipe drain plug. Inspected all wiring routing and connections, no defects noted. Checked left and right magneto timing. Cleaned engine and ground run-up for leak and operation checks, no defects noted at this time.

I certify that this Engine has been inspected in accordance with a 100hr Inspection and was determined to be in an airworthy condition at this time, This Engine is approved for return to service for the above completed work only.


James D, Spitzer A&P 2171780

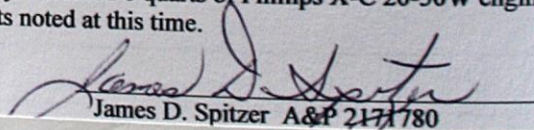
12/8/06 6830.0

DATE: SEPTEMBER 13, 2007
TACH TIME: 2415.2
ENGINE: LYCOMING

PIPER ARROW IV
HOBBS TIME: 2559.5
MODEL: IO-360-C1C6

S/N: 28R-8118046
REG. #: N83685
S/N: L-14619-15A

Drained engine oil, removed oil filter and inspected for any contamination-none noted at this time. Installed new oil filter (Champion CH48111-01) torque and safety. Installed 8 quarts of Phillips X-C 20-50W engine oil. Ground run-up and leak check performed, no defects noted at this time.


James D. Spitzer A&P 2171780

9/13/07 6929.7

DATE

DATE: JANUARY 26, 2008
TACH TIME: 2437.6
ENGINE: IO-360-C1C6

PIPER ARROW IV
ACTT: 6952.1
S/N: L-14619-51A

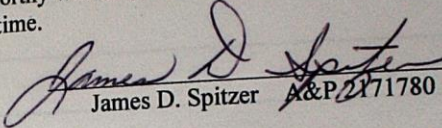
S/N: 28R-8118046
REG NO: N83685
SMOH: 277.0

Drained Oil, removed oil filter and inspected for contamination, none noted at this time. Installed new oil filter (P/N CH48110-1) and safety. Serviced engine with 8 quarts of PHILLIPS X-C 20/50 Engine Oil. Cleaned, Gapped and rotated spark plugs. Compression Check as follows, #1- 78/80, #2- 73/80, #3- 78/80, #4- 77/80. Inspected engine for signs of any oil leaks none noted. Torque all valve cover attach screws to 50 in. lbs per Lycoming O/H Manual. Removed prop to facilitate replacement of worn Alternator belt (P/N Goodyear 25-9335) and reinstalled prop with new 'O' ring seal. Torque Prop mounting bolts to 78 ft. lbs. per Hartzell Propeller M.M. 61-00-15, table 3-1. Checked left and right mags for engine timing and point gap and condition. Lubed engine control, cleaned air inlet filter. Replaced oil quick drain valve (P/N P5000) due to incorrect type per AD notice and installed new quick drain (P/N SafeAir F50) Ground Run-Up operational check completed all controls work to manufacturers specs, except prop governor noted has no control. Diagnosed prop Governor and removed defective prop governor (P/N Hartzell F-2-7A, S/N E120-W) and installed NEW Aero Technologies, LLC. Approved Replacement Prop Control Unit, Model PCU5000 (P/N AFT2-7A, S/N 07301393) and rigged governor for proper operation. Run-Up, Leak Check and Operating Limits all completed with no defects noted at this time.

I certify that this ENGINE has been inspected in accordance with a 100 HR. Inspection and was determined to be in airworthy condition at this time, and is approved for return to service for the above completed work only.

James D. Spitzer
James D. Spitzer A&P 2171780

1/26/08 Tach time 2437.6 Checked for new A.D.'s thru
T.S.M.O. 277.0 2008-02. Complied with A.D. 02-260,
fuel injection lines + clamps.
Checked OK, A.D. 07-04-19R1
N/A. Cylinder by Superior Airparts
not installed. I certify this
engine has been inspected IAW
a 100 hr/ANNUAL insp. + determined
to be in airworthy condition at
this time. Steve. Oig AD 28403312A

DATE	TIME IN SERVICE	SINCE OVERHAUL	TOTALS brought forward
PIPER ARROW IV HOBBS TIME: 2592.2 ENG S/N: L-14619-51A TSOH: 284.9 S/N: 28R-8118046 REG NO.: N83685			
DATE: APRIL 12, 2008 TACH TIME: 2445.5 TOTAL TIME: 6960.0 ENGINE: IO-360-C1C6 Complied with A.D. 2008-06-51, by inspection and check of the Precision Airmotive LLC, RSA-5 Fuel Injection Servo regulator cover servo plug for looseness and safety. Plug is tight in cover threads and gasket is in place. Plug is safety wired with .025 safety wire per manufacturers' specs. Inspection of the Aircraft log records indicates that the Engine was Overhauled October 20, 2005, at tach time 2160.6. At every oil change or within every 50 hours of engine run time, whichever occurs first, repeat this inspection and remedial steps in paragraphs (f) through (h)(9) of this AD. Next Oil Change DUE: 2487.6, or this AD is DUE by: 2495.5 Removed Airborne Vacuum Pump for mandatory replacement from date of manufacture of 6 years, to comply with Airborne Service Letter No.: 72. Installed OVERHAULED (P/N 211CC, S/N, 12674) Rapco Vacuum Pump by Airpower Accessories, dated 12-17-07, under W/O # 001757, by Bruce Taylor A/P 527825638. Completed Engine run-up and ops check of pneumatic system, all systems checked good at this time. The above described work is certified to be Airworthy with respect to the work performed only, and this Aircraft is Approved for return to service at this time. W/O # SAS-1080  James D. Spitzer A&P 2171780			

10/5/08	Tach Time	2504.9	Drained oil, removed oil filter and
	Hobbs	2654.5	insp. for contamination. None noted.
	Total Time	7022.3	Installed filter CH48110-1 and safety
	TSMO	344.3	wired. Serviced engine w/ 8 quarts
			Phillips X/C 20-50W.
			Dale Hughes Cert# 3263750

DATE	TIME IN SERVICE	TIME SINCE OVERHAUL	RECORDING METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
DATE: 1 MARCH 2009			PIPER ARROW IV	S/N: 28R-8118046
TACH TIME: 2519.0			HOBBS TIME: 2670.3	REG. NO.: N 83685
TOTAL TIME: 7033.5			ENGINE S/N: L-14619-51A	TSOH: 358.4
ENGINE: IO-360-C1C6			Completed a 100HR Inspection of this engine in accordance with FAR 43 Appendix D and the Piper Arrow approved Checklist. Compression Check completed as follows: #1CYL. 78/80, #2CYL 78/80, #3CYL 79/80, #4CYL 78/80. Cleaned, inspected, re-gapped and rotated Spark Plugs, inspected oil and fuel lines for leakage, none noted. Tighten all valve cover screws to 50 in lbs. Checked Left and Right Mags for engine timing and point gap. Inspected all wiring routing and connections, no defects noted. Clean engine and ground run and leak check good at this time. Complied with the following A.D.'s.	
AD2008-14-07 - Visual Inspection of External Fuel Injection Lines, Checked OK. Next Due Annually MARCH 2010 or every 100 HRS, due at 2619.0 HRS TACH TIME				
AD2009-02-03 - C/W AD by removing servo plug and replacing the gasket with new (P/N 2577258), examining the threads in the cover plate and the brass plug, all check good at this time. Re-install plug in cover and torque to 90 in. lbs.. Saftied the plug with .025 safety wire, and stamped the top of the plug with the letter "G". All other safety wire on servo checked to be in good condition.				
AD2008-19-05 - Engine Components, Inc. P/N AEL65102 "Titan" Cylinders. N/A to this engine at this time.				
Checked for new AD's thru 2009-04				
I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition at this time, and this Engine is approved for return to service for the above completed work only.				
Signed <u>James D. Spitzer</u> James D Spitzer				Certificate No. <u>A&P 2171780</u>
6/6/09	Tach 2548.		Hobbs 2700.2	Drained oil, removed filter & inspected for contamination. None noted. Installed CH48110-1 filter & safety wired. Serviced engine w/ 8 quarts Phillips XC 20-50W. Dale Hughes Cert. 3263750
	TT 7063.4		TSOH 388.3 387.4	
12/19/09	Tach 2594.9			Drained oil, removed filter & inspected for contamination. None noted. Installed CH48110-1 filter and safety wired. Serviced engine with 8 quarts Phillips XC 20-50W. Dale Hughes #3263750

DATE _____

TOTAL
TIME
IN
SERVICE

TOTAL
TIME
SINCE
OVERHAUL

RECORDING
METER
TIME

SIGNATURE & CERTIFICATE NO.

DATE: 22 APRIL 2010
TACH TIME: 2598.2
ENGINE: Lycoming
TIME SINCE OVERHAUL: 437.6

PIPER ARROW IV
HOBBS TIME: 2753.7
MODEL; IO-360-C1C6

REG No.: N83685
S/N: 28R-8118046
S/N: 1-14619-51A

ENGINE: Lycoming 437.6
TIME SINCE OVERHAUL: 437.6

Completed a 100 Hour Inspection of this Engine in accordance with FAR 43 Appendix D and the Piper PA28 Checklist. Compression Check completed with the following cylinder readings #1 72/80, #2 78/80, #3 78/80, #4 78/80. Replaced spark plugs with new Champion REM38E, 8 each. Checked mags for timing and point gap. Inspected oil and fuel lines for leakage, chaffing and or wear, none noted. Tighten all valve cover screws to 50 in. lbs. Inspected all wiring routing and connections, no defects noted. Inspected muffler and heat muff for cracks and deterioration, all check good. Complied with the following A.D.'s

A.D. 08-14-07 Visual inspection of external fuel injection lines, all check good. Next due Annually (APRIL 2011) or every 100 Hours, due at tach time of 2698.2

I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition at this time, and is approved for return to service for above completed work only.

A.D.'S CHECKED THRU 2010-03 *[Signature]*

Signed

James D. Spitzer

Certificate No. A&P 2171780

Haber 2780.5

3/15/11 Tach 2668.1

Drained oil & removed filter. Inspected for contamination.

DATE: 12-MAY-2011

TACH TIME: 2668.1

ENGINE: LYCOMING

TOTAL TIME: 7182.6

PIPER ARROW IV

HOBBS TIME: 2826.9

MODEL: IO-360-C1C6

T.S.O.H. 507.5

REG No. N83685

S/N: 28R-8118046

S/N: L-14619-51A

Completed a 100 Hour Inspection of this ENGINE in accordance with FAR 43 Appendix D and the Piper PA-28 Checklist. Owner drained oil and removed filter. Inspected filter for contamination, none found. Installed new filter (P/N CH48110-1) and serviced Engine with 8 quarts of PHILLIPS X/C 20-50W Oil. Cylinder Compression Check completed with the following readings. #1 Cyl. 76/80, #2 Cyl. 78/80, #3 Cyl. 77/80, #4 Cyl. 78/80. Replaced #3 Cylinder Intake gasket. Adjusted baffling at #3 cylinder from rubbing on cylinder aft side. Checked mags for timing and adjusted. Inspected muffler and heat muff for cracks or deterioration, none noted. Cleaned, inspected, gapped and tested spark plugs and rotated on install. Inspect oil and fuel lines for leaks, chafing or wear, none noted. Inspected all wiring routing and connections, all checked good.

A.D. 08-14-07 C/W by visually inspect external fuel injection lines, all checked good. NEXT DUE Annually -MAY 2012 or every 100 hours, due at Tach Time of 2768.1

Signed James D. Spitzer
James D. Spitzer

Signed

James D. Spitzer

Certificate No. A&P 2171780

DATE	TIME IN SERVICE	TIME SINCE OVERHAUL	RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
9/8/11		Tach 2722.2 Hobbs 2882.5		Drained oil + removed filter. Insp for contamination, found none. Installed new CH48110-1 filter + torqued. Serviced engine w/ 8 qts. of Phillips X/C 20W-50 Dale Hughes 3263750
5/4/12		Tach 2769.8 Hobbs 2882.5		Drained oil + removed filter. Insp for contamination, found none. Installed new CH48110-1 filter + torqued + wired. Serviced engine w/ 8 qts Phillips X/C 20W-50 Dale Hughes 3263750

DATE: 14-JUNE-2012

PIPER ARROW IV

REG. No. N83685

TACH TIME: 2779.1

HOBBS TIME: 2826.9

S/N: 28R-8118046

ENGINE: Lycoming

MODEL: IO-360-C1C6

S/N: L-14619-51A

ENGINE TIME SMOH: 618.5

Completed a 100 Hour Inspection of this Engine in accordance with FAR 43 Appendix D and the Piper PA-28 checklist as a guide. Inspected oil and fuel lines for leaking, chafing or wear, none noted. Inspected Muffler and exhaust system for signs of leaks or cracks none noted. Check and set mag timing. Completed Cylinder Compression Check with the following readings, #1 cyl. 76/80, #2 cyl. 77/80, #3 cyl. 76/80, #4 77/80. Checked electrical wiring for proper routing and security, all checked good. Cleaned, Inspect, gapped and tested spark plugs and rotated position of plugs on installation. Lubed engine and prop controls and checked for freedom of movement. Checked A.D. List thru Bi-Weekly 2012-11, dated May 21-June 3, 2012. No new A.D.s apply.

A.D. 08-14-07 Complied with by visual inspection of fuel injector lines for signs of cracking, none noted.

Next Inspection DUE every 100 Hours at 2879.1 A.C.T.T or Annually by JUNE 2013

I Certify that this Engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition at this time, and is approved for return to service for the above described work only.

Signed

James D. Spitzer
James D. Spitzer

Certificate No. A&P 2171780

Page No.

DATE

TOTAL
TIME
IN
SERVICETOTAL
TIME
SINCE
OVERHAULTACH OR
RECORDING
METER
TIMEDESCRIPTION OF
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING

TT ENGINE:

N NUMBER: 83685

T.S.M.O: 618.5

DATE: 6/14/2012

HOBBS: 2826.9

TACH: 2779.1

100 hr/Annual inspection completed this date. Checked for new AD's thru 2012-11.
Complied with AD 11-26-04 fuel nozzle line and clamp inspection. Checked ok. I
certify this engine has been inspected in accordance with a 100 hr/ANNUAL
inspection and determined to be in airworthy condition at this time.

Steve E. Piety
Steve E Piety AP 2840331 IA

11/10/12

Hobbs 3009.9
Tach 2844.9

Drained oil + removed filter.
Installed new CH48110-1 + torqued +
wired. Serviced engine w/ 8 qts
Phillips 20W50
Dale Hughes 3263750

ExecAir of HHI

Hilton Head Airport HXD



71 Summit Drive
Hilton Head Island, SC 29926
843.681.4705

Reference: Invoice # 1118

DATE	AIRCRAFT REG #	MANUFACTURE	MODEL #	SERIAL #	HOBBS TIME	FLIGHT/TACH TIME
12/31/12	N83685	Piper	PA28RT-201	28R-8118046	N/A	Tach: 2864.6
						AIRFRAME LOG

Worker Order 1015

D: Starter not engaging on start attempt. C/A: Removed upper cowlings. Tapped on starter
relay. Pilot tried start successfully. Shut off engine. Reinstalled upper cowlings.

D- Discrepancy; C/A- Corrective Action; C/W-Complied With; IAW-In Accordance With; AMM-Aircraft Maintenance
Manual: P/S/N- Part/Serial Number: R&R-Remove and Replaced: MT- Maintenance Technician

This aircraft was serviced/repared/inspected in accordance with current requirements of the FAA and is approved for return to
service.

Paul Craig, Jr. A&P3598146 ;

Paul Craig

SERVICE	OVERHAUL	TIME	
<i>Hobbs Tach</i>			TOTALS brought forward from previous page
<i>4/16/13 3075.6</i>	<i>2909.0</i>		<i>Drained oil + removed filter. Installed new CH48110-1 filter and torqued + safety wired. Serviced engine w/ 8gts Phillips X/C 20W50</i>
			<i>Dale Hughes 3263750</i>

DATE: 05-AUGUST-2013

PIPER ARROW IV

REG. No. N83685

TACH TIME: 2948.9

HOBBS TIME: 3117.1

S/N: 28R-8118046

ENGINE: Lycoming

MODEL: IO-360-C1C6

S/N: L-14619-51A

ENGINE TIME SMOH: 788.7

Completed a 100 Hour Inspection of this Engine in accordance with FAR 43 Appendix D and the Piper PA-28 checklist as a guide. Inspected oil and fuel lines for leaking, chafing or wear, none noted. Inspected Muffler and exhaust system for signs of leaks or cracks none noted. Check and set mag timing. Completed Cylinder Compression Check with the following readings, #1 cyl. 76/80, #2 cyl. 75/80, #3 cyl. 77/80, #4 76/80. Checked electrical wiring for proper routing and security, all checked good. Cleaned, Inspect, gapped and tested spark plugs and rotated position of plugs on installation. Checked Magneto timing and set per placard on engine. Replaced valve cover gaskets (P/N 67193) on left two cylinders due to leaks. Lubed engine and prop controls and checked for freedom of movement. Adjusted Prop control cable for full movement to reach prop governor high RPM stop in order to obtain full RPM of 2700. Adjusted Mixture control to go full RICH on the FCU and to retard back in to the detent of the mixture control quaduarnt past the lock-out. Checked A.D. List thru Bi-Weekly 2013-16, dated 7/29/2013 – 8/11/2013. No new A.D.s apply.

A.D. 2008-14-07 Complied with by visual inspection of fuel injector lines for signs of cracking, none noted.

Next Inspection DUE every 100 Hours at 2879.1 A.C.T.T or Annually by AUGUST 2014.

A.D. 2008-06-51-R Inspection of the Fuel Injector Servo side Plug for tightness per paragraph (4)(f) thru (i). Plug Checked to be tight. No further action required. Next Inspection Due at every Oil Change or at every 50 Hours of Engine run time, whichever occurs first.

I Certify that this Engine has been inspected in accordance with a 100 Hour Inspection per the current Federal Aviation Regulations and was determined to be in an airworthy condition at this time, and is approved for return to service for the above described work only.

Signed

James D. Spitzer
James D. Spitzer

Certificate No. **A&P 2171780**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	RECORD METER TIME	STATION
TOTALS brought forward from previous page				
2980.1				Drained oil + removed filter. Installed new CH48110-1 filter to proper torque and safety wired. Serviced engine w/ 8 quarts Phillips XC 20W50 Dale Hughes 3263750
3-5-15	Tach 3040.8			Cleaned Fuel screens cleaned & gapped plugs checked Mag timing checked Comp. #1 7/80 #2 7/80 #3 7/80 #4 7/80. Installed Sky Tech starter Model 149 NL I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE <u>3-5-15</u> Tach <u>3040.8</u> Dale Logson IA 3384748
<div style="border: 1px solid black; padding: 5px;"> <p align="center">FAA - PMA</p> <p>This tag certifies that Sky-Tec Model No. <u>149-NL</u> Serial No. <u>FN-431458</u> was manufactured new on <u>27 Oct 2014</u> by Sky-Tec under the authority of FAA-PMA No. PQ0852SW Supplement No. <u>7</u> in accordance with Sky-Tec's FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to be airworthy. For installation eligibility see www.skytecair.com/eligibility.htm Starter Installed on N <u>83685</u> by <u>Dale Logson IA 3384748</u> (Aircraft) (Mechanic)</p> <p><u>3-5-15</u> Tach <u>3040.8</u></p> <p align="right">Form CC1108-1</p> </div>				
5/24/2017	Tach 3074.0			Drained oil + removed filter. Installed new CH48110-1 filter to proper torque and safety wired. Serviced w/ 8 qts XC 20W50 Dale Hughes 3263750
SUB-TOTALS this page				

DATE	TIME IN SERVICE	TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7-1-17	Tach 3074.3			TOTALS brought forward from previous page
				Cleaned Fuel screens checked Mag timing cleaned & gapped Plugs checked Comp #1 $7/80$ #2 $7/80$ #3 $7/80$ #4 $7/80$
				I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AIAA <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE <u>7-1-17</u> <u>Tach 3074.3</u> <u>Dale Logsdon IA 3384748</u>
1/23/2018	Tach 3134.2			Drained oil + removed filter. Installed new CH48110-1 filter to proper torque and safety wired. Serviced engine with 8 quarts Phillips XC 20W50 <u>Dale Hughes 3263750</u>
9-9-19	Tach 3157.5			changed oil & Filter serviced with 7qt Aeroshell 15w-50 & 11oz. Camgard cleaned & gapped plugs checked Mag timing checked Comp. #1 $7/80$ #2 $7/80$ #3 $7/80$ #4 $7/80$
				I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AIAA <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE <u>9-9-19</u> <u>Tach 3157.5</u> <u>Dale Logsdon IA 3384748</u>

DATE

TOTAL
TIME
IN
SERVICETIME
SINCE
OVERHAUL

TIME

TOTALS brought forward from previous

JB West Aviation, LLC
202 Burns Rd.

Dumas, AR 71639

(870)382-2216 or (870)299-3861

SN: 28R-8118046

TTAF: 3186.5

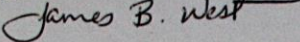
Reg# N83685

Date: 7/23/20

Removed defective vacuum pump and installed new Rapco pump PN:RAP215CC, SN: A73438. Work performed in accordance with Piper PA28R service manual.

Performed engine run-up. Ops check satisfactory, no defects or leaks noted.

James B. West



AP30871421A

6/12/2021 Tach 3202.0 Drained oil & removed filter. Installed CH-48110-1 filter to proper torque and safety wired. Serviced w/ Pats Aeroshell 15W-50 and 11oz. Camguard.
Dale Hughes 3263750

7-21-21 Tach 3202.2 cleaned Fuel screens cleaned Fuel Injectors cleaned & gapped plugs checked Mag timing checked Comp. #1 72/80 #2 73/80 #3 74/80 #4 75/80

I CERTIFY THAT THIS engine HAS

BEEN INSPECTED IN ACCORDANCE WITH

AJAN 100 hr INSPECTION AND WAS

DETERMINED TO BE IN AIRWORTHY

CONDITION. DATE 7-21-21 T.T. 3202.2

Dale Logston AP3394748

	IN SERVICE	SINCE OVERHAUL	METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10-4-22	Tach 3228.1			TOTALS brought forward from previous page
	changed oil & filter Serviced with Aeroshell 15W50 cleaned fuel screens Cleaned & gapped plugs checked Mag Timing Replaced Alt. belt checked Comp #1 $7\frac{1}{2}/80$ #2 $7\frac{1}{2}/80$ #3 $7\frac{1}{2}/80$ #4 $7\frac{1}{2}/80$			
	I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AIA <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DATE <u>10-4-22</u> T.T. <u>3228.1</u> <u>Dale Logston IA 3384749</u>			
SEPT 8-23	REPLACED ALL SPARK PLUGS WITH NEW REM 38 E			
TACH	3234.9 10			<u>Sam R</u> A/I 2212022
3/1/24	3238.8			Inspected in accordance with mm inspection checklist. ch compression: (1) 74/80 (2) 74/80 (3) 75/80 (4) 74/80 changed oil & filter, serviced with Aeroshell 15W50 oil. Cleaned & checked plugs. Replaced rocker box gaskets Replaced exhaust gaskets I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. <u>Gary Halton A&P 22120221A</u>