ENGINE MAINTENANCE RECORDS

	Log No
Aircraft Registration No. No. No.	
Engine Manufacturer <u>Lycoming</u>	
Model	The second secon
Serial No. <u> </u>	

Page No)N PERFORMING WORK
DATE N83685 TACH	ne 10, 2004
	ted and rotated all spark
with an annual inspection and airworthy condition. Shane Benedetto AP572411	
N83685 Tach 1956.9 September 05, 2004	
Complied with 100 hr inspection IAW FAR 43 appear "d".	ndix
Complied with AD 02-26-01 effective date 01/31/03 injector lines. No defects noted. Next due 2056.9 Changed oil and filter. Installed a new CH48110 filt and 8 Qt. Aeroshell 80 oil. Compressions #1 78/80, #2 77/80, #3 76/80, #4 77/85. Cleaned, gapped, inspected and rotated all spark plugs. Washed engine and aircraft.	er -
<u>END</u>	
I certify that this engine has been inspected in accord with an 100 hour inspection and been determined to be 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
SUB-T	airworthy condition.
	Shane Benedetto AP572411214IA

SERVICE OVERHAUL TIME	- doug page
	previous page
N83685 Tach 2149.5 May13, 2	2005
1. Complied with 100 hour insp	ection IAW FAR 43
appendix "d"	
2. Changed oil and filter. Install	led a new CH48110 filter
and 8 Qt. Aeroshell 80 oil.	70/90 #4 79/90
3. Compressions #1 76/80, #2 7	75/80, #3 76/60, #4 76/60.
 Cleaned, gapped, inspected plugs. Installed 5 new REM3 	8e plugs
5. Repaired #4 exhaust pipe.	e plugs.
6. Run up and leak check all go	ood.
Trail up allu leak ollook all ge	
END	
certify that this engine has bee	en inspected in accordance
with an 100 hour inspection and	been determined to be in
airworthy condition.	
1.00	
Il Short	
1 - 1111	
- /	4IA
Shane Benedetto AP5/241121	
Shane Benedetto AP5/241121	
Shane Benedetto AP5/241121	
October 20, 2005	Frie Municipal Airport
	Lactor Air Erie Municipal Airport
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vector Air Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vector Air Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vootor Air Erie Municipal Airport
N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vector Air Aircraft Inspection & Repair Sign Airport Drive Erie, CO 80516 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only. Terrill Shafer
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	VectorAir Alroraft Inspection & Repair Alroraft Inspection & Repair 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only.
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vector Air Aircraft Inspection & Repair Sign Airport Drive Erie, CO 80516 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only. Terrill Shafer
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0	Vector Air Aircraft Inspection & Repair Sign Airport Drive Erie, CO 80516 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only. Terrill Shafer
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ref	VectorAir Aircraft Inspection & Repair Solution 1 Serie Municipal Airport 395 Airport Drive Erie, CO 80516 Solution 2 Service for the above accomplished work only. Terrill Shafer AP2860279IA
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ref	VectorAir Alroraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only. Terrill Shafer AP2860279IA
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-1-satisfactory. Aircraft is approved for ref	VectorAir Aircraft Inspection & Repeir Serie Municipal Airport 395 Airport Drive Erie, CO 80516 4619-51A onto N83685 PA28RT-201 S/N 28R-8118046. Run-up/Operation turn to service for the above accomplished work only. Terrill Shafer AP2860279IA
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-1-satisfactory. Aircraft is approved for ref	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ret October 25, 2005 N83685 S/N: 28R-8118046 Tach: 2171.7 TSMOH: 11.1	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ret October 25, 2005 N83685 S/N: 28R-8118046 Tach: 2171.7 TSMOH: 11.1	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ret October 25, 2005 N83685 S/N: 28R-8118046 Tach: 2171.7 TSMOH: 11.1	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516
October 20, 2005 N83685 S/N: 28R-8118046 Tach: 2160.6 TSMOH: 0.0 Installed engine IO360-C1C6 S/N L-14 satisfactory. Aircraft is approved for ret October 25, 2005 N83685 S/N: 28R-8118046 Tach: 2171.7 TSMOH: 11.1	VectorAir Aircraft Inspection & Repair Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516 Erie Municipal Airport 395 Airport Drive Erie, CO 80516

TACH: 2160.6 TSMOH: 00:00 N83685 MODEL: 10-300-C1C0

This engine was Overhauled this date in accordance with Lycoming Parts Manual PC-406-1, Overhaul

This engine was Overhauled this date in accordance with Lycoming Parts Manual PC-406-1, Overhaul This engine was Overnauled unstrate fraceordance managements and Instructions. Crankshaft Overhauled and Manual 60294-7 and all Service Bulletins, Letters and Instructions. Crankshaft Overhauled and Manual 60294-7 and Boda Mook, see tag. New Cameball and Lifer Bodies. Manual 60294-7and all Service Bulleuns, Letters and Historious. Crankshart Overnauled and Certified Mains M.003 and Rods M.006, see tag. New Camshaft and Lifter Bodies. New Hydraulic Certified Mains M.003 and Rous M.000, see tag. New Cantoniar and Effect Bodies. New Hydraulic Units and Sockets. Crankcase inspected as required. Connecting Rods Overhauled and Certified, see Units and Sockets. Crankcase inspected and certified, see tag. Engine accombined to the Connection of the Co Units and Sockets. Crankcase inspected as required. Connecting Rods Overhauded and Certified, see tag. Engine assembled with the following tag. Internal Steel Magnaflux inspected and certified, see tag. Engine assembled with the following tag. Internal Steel Magnatiux inspected and certified, see tag. Engine assembled with the following new parts; 2 each 18A19441M003 Bearings; 4 each 18D23135M003 Main Bearings; 8 each LWnew parts; 2 each 10/A1344114005 Death By, 16143M006 Rod Bearings; 8 each 75060 Rod Bolts; 8 each SL-12186 Rod Nuts; 1 each SL-STD-2213 16145MUUD Rod Bearings, Seach 7500 Roll Pump; Lycoming Nitrided Steel Complete Cylinder Crank Gear Bolt; 1 each LW-15473 Fuel Pump; Lycoming Nitrided Steel Complete Cylinder Assemblies installed with all news parts and new Piston Pins and Rocker Shafts. Rocker Arms Assembles installed with all flews parts and reworked as required. Governor inspected as required. Starter and reworked as required. Puersystem to the Control of Alternator remistance as received. English 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 Aircraft Cylinders and Engines, Inc. Logbook Entry. - - - -J. F. Folchert 625 Buss Avenue FOR Greeley, CO 80631 December 7, 2005 N83685 Eria Municipal Airport S/N: 28R-8118046 Tach: 2172.6 ACTT: 6687.1 TSMOH: 12.0 Prop TSN: 12.0 Performed a 100hr inspection of engine for annual of N83685 in accordance with FAR 43 appdx D and a checklist. C/W AD 02-26-01 by inspection of fuel injection lines iaw 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 TI 2221.1

Change oil and filter Inspected

the filter. No defects Notes.

Serviced the engine with aeroshell

100 w. Ground ops CK OK.

Pavid a. Johnson AAP 1200719

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 S/N 28R-8118046 TOTAL TIME: 6779.8

S/N-

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. Cleanned, 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.

DATE: NOVEMBER 4, 2006 REG. #: N83685

TACH TIME: 2314.0 ENGINE: LYCOMING 10-360-C PIPER ARROW

HOBBS TIME: 2450.8

PA28RT-201 S/N: 28R8118046

James D Spitzer A&P 2174/80

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

S/N: 28R-8118046 TOTAL TIME:6830.0 N83685 DATE: December 8, 2006 S/N: L-14619-51A **TACH TIME:2315.5** ENG. T.S.O.H.:154.9 Completed a 100hr Inspection of this Engine in accordance with FAR 43 Appendix D and a checklist. 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 compression Check as follows, #1 and fuel lines and engine for signs of leakage none. 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 rotated the spark plugs, inspected oil and fuel lines and engine for signs of leakage none noted. Tighten all rotated the spark plugs, inspected on and rue lines and engine for signs of reakage none noted. Tighten all rocker cover screws to 50in. Ibs per Lycoming M.M.. Inspected fuel injector line per S.B. #342A to C/W rocker cover screws to 50 in. los per Lycolning Whith. Hispected fuci injector fine per 3.B. #342A to C/W A.D.02-26-01, no defects noted at this time. Next inspection due at 2415Removed oil quick drain (P5000) A.D.02-26-01, no delects noted at uns time. Next inspection quick drain installations, and installed original to comply with A.D. 81-11-02R1 for oil loss due to incorrect quick drain installations, and installed original to comply with A.D. 81-11-02K1 151 off 153 date of the square pipe drain plug. Inspected all wiring routing and connections, no defects noted. Checked left and square pipe drain ping. Inspected all wiring round ground run-up for leak and operation checks, no defects noted at right magneto timing. Cleaned engine and ground run-up for leak and operation checks, no defects noted at 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 PIPER ARROW IV S/N: 28R-8118046 **TACH TIME: 2415.2** HOBBS TIME: 2559.5 REG. #: N83685 **ENGINE: LYCOMING** MODEL: 10-360-C1C6 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. 9/13/07 6929.7 James D. Spitzer A&P 217/780

S/N: 28R-8118046 DATE **REG NO: N83685** PIPER ARROW IV DATE: JANUARY 26, 2008 ACTT: 6952.1 SMOH: 277.0 **TACH TIME: 2437.6** S/N: L-14619-51A ENGINE: 10-360-C1C6 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. s D. Spitzer A&P 21/178

DATE	IN	OVERHAUL		TOTALS brought los	0118046	
	SERVICE	-	D. Colonia		S/N: 28R-8118046	
				PER ARROW IV	DEG NO.: Nosoos	
			PI	PER ARKE: 2592.2		
No. of the last	nPI	1, 12, 2008	TI	ORBS 1	TSOH: 284.9	
	DATE: APRI	. 2445.5		0 51 A	A:-motive LLC, RSA 5 1	
	TACH TIME	E: 6960.0	E	NG S/N: Land check of	the Precision stight in cover threads and	
1	TOTAL IN	360-C1C	06-51. by it	nspection and language and	safety. Plug is specific specific of the	
- 1	ENGINE.	A.D. 200	eover servo	plug for 1003ert wire	per manufacture 2005, at tach time 2160.6. At	
(Complied Serve	regulator	cafety wired	with .025 Sarverhaule	TSOH: 284.9 If the Precision Airmotive LLC, RSA-5 Fuel safety. Plug is tight in cover threads and per manufacturers' specs. Inspection of the ed October 20, 2005, at tach time 2160.6. At e, whichever occurs first, repeat this inspection e, whichever occurs first, repeat this inspection e, which coil Change DUE: 2487.6, or this AD	
I	Injection bela	ice. Plug 15	ates that the	Engine was commercine time	f the Precision All Houter's fithe Precision All Houter's safety. Plug is tight in cover threads and safety. Plug is tight in cover threads and per manufacturers' specs. Inspection of the per manufacturers' specs. Inspection et al. (2005), at tach time 2160.6. At each of the per manufacture 2160.6. At each of the per specific production of	
1	wary oil chang	ge or withi	agraphs (f) th	rough (n)(3) or	f manufacture of 6 years, to	
- e	and remedial s	teps in par	agrup	· · · · replaceme	ent from date of manufacture (N. 12674) Rapco	
;	e DUE by: 24	95.5	um Pump for	mandatory replaced OV	ERHAULED (P/N 211CC, ST Taylor A/P	
F	Removed Airb	orne vacu	rvice Letter	No.: 72. Instance	ent from date of manufacture of 6 years, to ERHAULED (P/N 211CC, S/N, 12674) Rapco ander W/O # 001757, by Bruce Taylor A/P	S
	comply with		ACCESSUI	los, - 1 -f nne	simalic system,	
,	Vacuum Pump	by Allpo	noine run-up	and ops check of plan	ERHAULED (P/N 211CC, S/N, 12674) Raped ERHAULED (P/N 211CC, S/N, 12674) Raped and W/O # 001757, by Bruce Taylor A/P eumatic system, all systems checked good at this respect to the work performed only, and this	
5	527825638. C	ompleted	ing	with	respect to the work performed only, and this	
					, cope	
100 mg	. 1 doc					
	The above des	crioca for	return to serv	vice at this time.	() / <u>/</u>	
	The above des Aircraft is App	proved for	return to serv	//	respect to the work performed only, and this	
1	Aircraft is App	ploved	return to serv	//	1 / Marse	
1	The above des Aircraft is App W/O # SAS-1	ploved	return to serv	//	ames D. Spitzer A&P 2771780	
1	Aircraft is App	ploved	return to serv	//	1 / Marse	
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1	Aircraft is App	ploved		Hay.	James D. Spitzer A&P 2171780	
,	W/O # SAS-1	080		Drained	ames D. Spitzer A&P 27 1780	end
,	W/O # SAS-1	ploved		Drained	ames D. Spitzer A&P 27 1780	and to d
,	W/O # SAS-1	080		Drained	ames D. Spitzer A&P 27 1780	and ted
,	Aircraft is Apple W/O # SAS-1 3 Jach J	ime		Prained insp. for	oil, removed oil filter a contamination. None mo	and ted
,	Aircraft is Apple W/O # SAS-1 3 Jach J	ime	25 04.5 2654.5	Prained insp. for	oil, removed oil filter a contamination. None mo	and ted
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	oil, removed oil filter a contamination. None mo	and ted
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	oil, removed oil filter a contamination. None mo	and ted rafety
1	Aircraft is Apple W/O # SAS-1 3 Jach J	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	contamination. None more Lilter CH48110-1 and A	end ted rafety to
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	contamination. None more Lilter CH48110-1 and A	end ted rafety to
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	contamination. None more Lilter CH48110-1 and A	lla. Ugety ts
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	contamination. None more Lilter CH48110-1 and A	ila. Infety ts
,	Aircraft is April W/O # SAS-1 Jach Jotal Jotal	1 ime	25 04.5 2654.5 7022.3	Orained insp. for Installed	contamination. None more Lilter CH48110-1 and A	lla. Ugety ts

DATE	IN SERVICE	SINCE OVERHAUL	RECORDING METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TACH	1 MARCH TIME: 25 L TIME: 7	19.0	PIPER HOBBS	ARROW IV S/N; 28R-8118046 S TIME: 2670.3 REG. NO.: N 83685
ENGIN Comple Checkl inspect screws connec A.D.'s. AD200 AD200 Checke I certify airwort	NE: 1O-360 eted a 100H ist. Compre ed, re-gappe to 50 in lbs. tions, no de 8-14-07 - V 2010 or et 19-02-03 - C in the cov Saftied the servo che 18-19-05 - E d for new A y that this E hy condition	R Inspection ssion Check of and rotates. Checked Lefects noted. Clause Inspectivery 100 HR: WAD by refer plate and the plug with the checked to be in the companion of the plug with the checked to be in the companion of the plug with the checked to be in the che	of this engine completed at d Spark Plug off and Right Clean engine tion of Exter S, due at 26 the brass plu 025 safety w 1000 condi- 1000	TE S/N: L-14619-51A TSOH: 358.4 The in accordance with FAR 43 Appendix D and the Piper Arrow approved as follows: #1CYL. 78/80, #2CYL 78/80, #3CYL 79/80, #4CYL 78/80. Cleaned, as inspected oil and fuel lines for leakage, none noted. Tighten all valve cover and ags for engine timing and point gap. Inspected all wiring routing and and ground run and leak check good at this time. Complied with the following and Fuel Injection Lines, Checked OK. Next Due Annually MARCH 19.0 HRS TACH TIME wo plug and replacing the gasket with new (P/N 2577258), examining the threads ag, all check good at this time. Re-install plug in cover and torque to 90 in. lbs wire, and stamped the top of the plug with the letter "G". All other safety wire on a cover and the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the control of the plug with the letter "G". All other safety wire on the plug with the letter "G". All other safety wire on the control of the plug with the plu
		ames D Spit		
6/6/09	Tach	2548.	10 109/	Drained oil, removed filter + inspected for contamination. None noted. Installed
	Hobbs	2700.2		contamination. None noted. Installed
	TT	7063.4		CH48110-1 filter + safety wired Serviced
	TSOH	388.3 387.4	Et .	engine w/8 quarts Phillips XC 20-50W. Dale Hugher Cert. 3263750
12/19/09	Tach	2594.9		Drained oil, removed filter + inspected
				Prained oil, removed filter & inspected for contamination. None moted. Installed
				CH48110-1 filter and safety wired. Serviced engine with 8 quarts Phillips
				XC 20-50W. Dale Hugher # 3263750
				1 200130

SIGNATURE & DATE REG No.: N83685 PIPER ARROW IV S/N: 28R-8118046 **HOBBS TIME: 2753.7** DATE: 22 APRIL 2010 S/N: 1-14619-51A MODEL; 10-360-C1C6 TACH TIME: 2598.2 ENGINE: Lycoming TIME SINCE OVERHAUL: 437.6 Completed a 100 Hour Inspection of this Engine in accordance with FAR 43 Appendix D and the Piper Completed a 100 Hour inspection of any English with the following cylinder readings #1 72/80, #2 78/80, PA28 Checklist. Compression Check completed with the following cylinder readings #1 72/80, #2 78/80, PA28 Checklist. Compression Check completed with new Champion REM38E, 8 each. Checked mags for timing #3 78/80, #4 78/80. Replaced spark plugs with new Champion REM38E, 8 each. Checked mags for timing #3 78/80, #4 78/80. Replaced Spark Pidgs and relating and or wear, none noted. Tighten all valve and point gap. Inspected oil and fuel lines for leakage, chaffing and or wear, none noted. Tighten all valve and point gap.inspected on and fuer interest of tenange, and connections, no defects noted. Inspected muffler cover screws to 50 in. lbs. Inspected all wiring routing and connections, no defects noted. Inspected muffler cover screws to 50 III. los. his pected an analysis and heat muff for cracks and deteration, all check good. Complied with the following A.D.'s and near must for cracks and deteration, an entering section lines, all check good. Next due Annually 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 (APRIL 2011) of every 100 116ths, dat at the land of t to be in an airworthy condition at this time, and is approved for return to service for above completed work A.D.'S CHECKED THRU 2010-03 only. Certificate No. A&P 2171780 Signed James D. Spitzer 3/15/11 Tach 2668.1 Drained oil + removed felter Imap for contamination. **DATE: 12-MAY-2011** PIPER ARROW IV **TACH TIME: 2668.1 REG No. N83685 HOBBS TIME: 2826.9 ENGINE: LYCOMING** S/N: 28R-8118046 MODEL: 10-360-C1C6 **TOTAL TIME: 7182.6** 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 T.S.O.H. 507.5 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. A.D. 08-14-07 C/W by visually inspect external fuel injection lines, all checked good. NEXT DUE Annually –MAY A.D. list checked thru Bi-Weekly 2011-10, dated 09 MAY 2011. 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 approve for return to service for the above completed work only. Certificate No. A&P 2171780

IN SERVICE	SINCE OVERHAUL	RECORDING METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTALS brought forward from previous page
	Tach Hobbs	2882.5	contamination, found more Installed mew CH48110-1 filter + torqued berviced
			engine w/8 gts. of Phillips X/c 20W-50. Dale Hughe 3263750
AST.	Tach	27698	Drained oil + removed filter Ing for
	Hobbs	CH48,	contamination found hone Installed mew CH48110-1 filter + torqued twised
100	1-11 1	inair	new CH48110-1 With + torqued + weed.
		101	Serviced engine w/ 8 ats Phillips
13781	18 :	when	Serviced engine is/8 gts Phillips
			Dale Hugher 3263750
DESCRIPTION OF			1
	SERVICE	Tach Hobbs	Tach 2722.2 Hobbs 2882.5

DATE: 14-JUNE-2012 TACH TIME: 2779.1

ENGINE: Lycoming

PIPER ARROW IV HOBBS TIME: 2826.9 MODEL: IO-360-C1C6 REG. No. N83685 S/N: 28R-8118046

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. Cleanned, 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

Certificate No. A&P 2171780

Page No				100000		CERTIFICATE		
DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		TOTAL	TACH OR RECORDING METER		SIGNATURE &	CERTIFICATE N	TT EN	GINE:
DATE	TOTAL TIME IN	TIME SINCE OVERHAUL	TIME	Town I	N NUMBER	R: 83685		
DATE	SERVICE	DATI	E: 6/14/201 H: 2779.1 Innual inspe d with AD 1 is engine ha in and deter	ection co 1-26-04 as beer rmined	HOBBS ompleted this	THE RESERVE AND DESCRIPTION OF STREET	ed for new AE inspection.	S.M.O: 618.5 O's thru 2012-11. Checked ok. I ANNUAL Example 1995 Ty AP 2840331 I.
/10/12		Hobbs 3009.9	Tach 2844,9	Ing wry Phu	Prained talled of Ser Plips 2	oil + re new CH vicid en 20W50 le Hugs	moved 48!10 - ngine u	filter. 1+ torgue -/8 g to 3263750
	ExecAi	r of HHI	Hilton I	Head Airpo	rt HXD	seaving!	71 Summ	nit Drive ead Island, SC 29926
	DATE	AIRCRAFT REG	# MANUFA	CTURE	MODEL#	SERIAL #	HOBBS TIME	FLIGHT/TACH TIME
	DATE 12/31/12	AIRCRAFT REG N83685	# MANUFA		MODEL# PA28RT-201	SERIAL # 28R-8118046	HOBBS TIME	FLIGHT/TACH TIME Tach: 2864 6
	12/31/12	N83685	Pip					
	12/31/12 Wor D:	N83685 rker Order 10°	Pip	per	PA28RT-201	28R-8118046	N/A	Tech: 2864.6 AIRFRAME LOG
	Wor D: rela	rker Order 10° Starter not er y. Pilot tried s	Pip 15 ngaging on s start success	start atte	PA28RT-201 empt. C/A: Re Shut off engine	28R-8118046 emoved upper of the Reinstalled up	N/A cowlings. Tap pper cowlings	Tach: 2864.6 AIRFRAME LOG pped on starter

SERVICE	OVERHAUL	TIME	
Hobbs	Tach		TOTALS brought forward from previous page
4/16/13 3075.E	2909.0		Drained oil + removed felter Installed
,			new CH48110-1 Weter and walled
			safety wired. Serviced engine w/ 8 gts
			Phillips X/C ZO W50
			Dale Hugher 3763750

DATE: 05-AUGUST-2013 TACH TIME: 2948.9 PIPER ARROW IV
HOBBS TIME: 3117.1
MODEL: IO-360-C1C6

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

ENGINE: Lycoming

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. Cleanned, 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.

James D. Spitzer

Certificate No. A&P 2171780

DATE INE SINCE OVERHAUL OVERHAUL OVERHAUL TOTAL TIME SINCE OVERHAUL TOTALS brought forward from previous page TOTALS brought forward from previous page
TOTALS brought forward from previous per language and CH43110-i filter to proper tonque and safety wired. Serviced engine w/8 quants Phillips XC 20W50 Phillips XC 20W50 Pale Hugher 3263750
2480.10 - Wilter to proper longile and
CH40110 Serryced engine w/ 8 quarts
safety work. salety
Phillips XC GOWSO 11 h 32/3750
Phillips XC 60 No Dale Hughen 3263750
The stand Fire screens cleaned
3-5-16 Tach 3040,8 Cleaned Fuel screens cleaned ragapped plugs checked May timing checked Comp. # gapped plugs checked May timing checked Comp. # 17/10 # 2 1/100 # 3 1/100 # 4 1/100. Installed Sky tech starter
and plugs checked Mag timing checked comp.
4 gapped plugs checked frag things led Sky tech starter
4/1/0 2/30
Model 149 N L ICERTIFY THAT THIS ENGIN PHAS
BEEN INSPECTED IN ACCORDANCE WITH
AJAN THROUGH INSPECTION AND WAS
CONDITION. DATE 3 3 15 Mach 30 40.8
8) ale Joseph 1A 3384748
Water Organia Zirissori i e
FAA - PMA
This tag certifies that Sky-Tec Model No. 149-NL
Serial No. FN-431458 was manufactured new on 27 Oct 2014 by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
Supplement No. 7 in accordance with Sky-Tec's FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to the supplement of the supplement No. 7 in accordance with Sky-Tec's
For installation eligibility see www.skytecair.com/eligibility.htm Starter Installed on N 83 6 8 5 by Assign 1448
3-7-7- (Aircraft) (Mechanic)
3-5-15 Tach 3040.8 (Mechanic)
Form CC1108-1
5/24/2017 Jack 3074 0 On:
Jack 30/4.0 Drained oil + personed list 1 at 11.1
meur CHARILO I Disk to the Constalled
relations to proper torque and
Durand Sprayed w/ Bota X 20 WIED
5/24/2017 Jack 3074.0 Drained oil + removed filter. Installed new CH48/10-1 filter to proper torque and safety wired. Survivad w/ 3 gts XC 20 W50 SUB-TOTALS this page 3263750
SUB-TOTALS this page

SERVICE OVERHAUL TIME SIGNATURE & CERTIFICAT	N OF WORK PERFORMED — E NO. OF PERSON PERFORMING WORK
7-1-17 Tach 3074.3 TOTALS brought forward from	previous page
Cleaned Fuel screens checked Mag timin	
Plugs checked Comp #1 7/80 # 2 7/40 #3	1/20 # 4 Blo
I CERTIFY THAT THIS.	
BEEN INSPECTED IN	COST INCE WORL
NAN_AODUO IN	SPECTION AND WAS
DETERMINED TO BE I	NAIRWORTHY
CONDITION, DATE 2	147 Forth 30743
Hole Togeton	143384740
1/23/2018 Jack 3134.2 Drained oil + re	moved filter Installed
mew CH48110-1	litter to proper torque
	d. Servied engine with
8 quarts Phill	161,XC,ZOW50
Pale	Hugher 3263750
	7
9-9-19 Tach 3157.5 changed oil 4	Filter serviced
with Tet Acrossell 15 4 50 0 1102, cange	and deemed a appoint
plugs checked Mag timing checked Co	000 #1 760 #2 1960
#3 1/80 #4 7/80	1
I CERTIFY THAT THIS COO	DE HAS
PREM INCORPORTED IN ACCORD	
WANA DOUG INSPECT	
DETERMINED TO BE IN AIR	DRITHIY
CONDITION. DATE 9-9-19	_ tob 3/5 7.5
6181	JA 3384748
Call region	
THE RESIDENCE OF THE PARTY OF T	

TATE	TOTAL TIME IN	SINCE	TIME	TOTALS brought forward from previous P
DATE	SERVICE	-		
			-	JB West Aviation, LLC
				202 Burns Ru.
				Dumas, AR 71639 (870)382-2216 or (870)299-3861 SN: 28R-8118046 TTAF: 3186.5
1 1 1 1 1				SN: 28R-8118046
			R	eg# N83685
	Date: 7/23	/20	uum pump an	(870)382-2216 or (870)299-3801 SN: 28R-8118046 TTAF: 3186.5 98# N83685 d installed new Rapco pump PN:RAP215CC, SN: A73438. Work performed in accordance activities of leaks noted.
	Removed d	A28R service	e manual.	satisfactory, no defects or leaks noted.
-	with Piper r	engine run-L	up. Ops check	Salisiacco, 7,
	· ac R. W	est		
	-lam	es B.	West	
	AP3087142			
				Drainedoil + removed filter, Installed CH-48110-1 filter to proper torque and safety wired. Serviced w/ Pats aeroshe
	1	1 1	panan	I rained oil of removed feller, simula
1-/12	2021	ach i	DEULLU	all source I listen to change through and
010				(H-48/10-1 flew to proper to gate with
				relativitied Sospiced un Pata Clereshe
				suful will, surveins of go, our
				15W-50 and 1102. Camquard.
				0.1 10 1 2012750
				Dale Hugher 3263750
7- 7	1-71	Th	2202	2 cleaned Fuel screens cleaned
41	11	10011	0202.	Cleaned two ocieties steamed
Fuel	Trip	tors 1	Longs	& gapped plags checked Mag timing
1	10	#	1721 #	236 # 274/ #11 75/
Check	el Co	mp 1	17/90#	1980 J/90 T/90
		/		EDTIEV TU I'MTUIG POA
	_		10	ERTIFY THAT THIS <u>engine</u> HAS
		4	BE	EN INSPECTED IN ACCORDANCE WITH
		/	AVA	N_COO 1 INSPECTION AND WAS
		18	BO AND HA	TERMINED TO BE IN AIRWORTHY
		/	THICO	MORTON DATE 2-21-2/0
	/		/	NOTION. DATE 2-21-21 T.T.3202.2
		The same of the party of the same	The second of the Same	1-1-1
	/		K	KARO HAMAON HAP 320Ch7/10

IN SERVICE	SINCE	METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WOHK
10-4-22 7	ach.	3228.1	TOTALS brought forward from previous page
changed ,	pil a	filter	Serviced with Keroshell 15w50
cleaned fu	il sere	ens C	leaned & gopped plugs checked Mag
Timing R	places	l Alt. 1	bett checked Comp # 1 1/30 # 2 1/90
# 3 7/80 #	47/80	9	I CERTIFY THAT THIS Engine HAS
)	BEEN INSPECTED IN ACCORDANCE WITH
	/		NANA ONUA INSPECTION AND WAR
			CONDITION. DATE 10-4-22 T.T. 3223.
			Sale Fogeton IA 338 4748
_ ~		n 1	6) 411 - 11 22
SEPT 8-7	13	NEP	TH NEW REM 38 E
± , 1,	70	W1	TH NBW REMSSE
TICH	32	34-9	Hour Al
		,	A+1 2212022
			N#1 1212022
211, 2, 200			- 11 1 1 1 in increases
3/1/24 3238-8			Inspected in accordance with mm inspection
			checklist.
			th compression: (1) 74/80 (2) 74/80 (3) 75/80 (4) 24/80
			changed oil + filter, serviced with Aeroshet 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.
			Cory Halton A4P221201215