

***LYCOMING***

A Textron Company

ENGINE LOG

**SSP-1872-1**

**LYCOMING**

A Textron Company

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
570/323-6181

# ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING 0360 A4M RL-32556-36A  
MAKE MODEL SERIAL

FROM 9/15 20 03 TO \_\_\_\_\_ 20 \_\_\_\_\_

DETAILING TIME FROM 0.0 TO \_\_\_\_\_  
HOURS HOURS

SSP-1872-1

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October 1994

**LYCOMING**

A Textron Company

652 Oliver Street  
Williamsport, PA. 17701 U.S.A.TLRED-489  
(Rev. 3-02)

This engine has been ~~overhauled~~rebuilt in accordance with the applicable Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model:	O-360-A4M	Authorized Signature:	
Serial #:	RL-32556-36A	<b>Lycoming Engines</b>	
Total Time:	0.0	652 Oliver Street	
Work Order #:	GJ207888	Williamsport, PA 17701	
Date Completed:	<b>JUN 30 2003</b>	Repair Station: EJ1R115K	

**ENGINE DESCRIPTION**

Mfgr.	LYCOMING	Place	Williamsport, PA 17701	Date	
Type		Model		Serial No.	
Rated H.P.		Max. H.P.		Weight (Dry)	
Rated R.P.M.		Max. R.P.M.		Oil Pressure	
Bore		Stroke		Displacement	Cu. In.
Compression Ratio		Supercharger Ratio			
Reduction Gear Ratio					
Propeller		Hub Design		Hub Serial No.	
Blade Design		Blade Serial No.		Blade Serial No.	
Max. Hub H.P.		Max. Blade H.P.			
Pitch		Diameter		Length	
Name					
Address					

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
9-15-03	0	0	Installed engine O360 A4M Serial # RL-32556-36A in Archer N434S serial # 28-8290085.		
	673.0		Installed with new fuel hoses. New engine load mount - Engine test flown performance to specifications. No oil leaks observed. Certify this engine to be in AIRWORTHY condition and approved for return to service. Jacob J. Ruitjens 235378925 A&P I.A.		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
9/20/03	6.5		Changed oil (w/ Filter) - Clean Fuel Tank 414582083		
10/12/03	43	1	Pressure oil Refilled 8qts 100W Mineral oil New Filter TACH 716.1	<i>[Signature]</i>	414582083
10-25-03			Changed oil and filter - Refilled with AEROSHELL 15W50 and 1 can AVblend		
	726.9		Cleaned and Rotated Sparkplug -		
	53	9	ALL AD'S complied with.		
			Certify this engine has been inspected i.a.w. an Annual inspection and found to be in AIRWORTHY Condition Jacob J. Ruitjens 235378925 A&P I.A.		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					



# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
12/20/03	95	1	Drained Oil - Added 8 QTS A/S 15W50 1 qt Avulud New Filter Oil Filter Oil Analysis sent	TACH 768.1 [Signature]	419582083
3/7/04	139	8	Drained Oil - Added 8 QTS A/S 15W50 New Filter	TACH 812.8 [Signature]	419582083
5/8/04	176	8	Cleaned Plugs Checked Air Filter TACH 849.8	[Signature]	419582083
5/26/04	192	2	Drained Oil 8 QTS 15W50 New Filter TACH 865.2	[Signature]	419582083
7/17/04	231	7	Add Oil 8 QTS 15W50 New Filter Cleaned/Sued Air Filter TACH 904.7	[Signature]	419582083
10/2/04	275	4	Add Oil 8 QTS 15W50 New Filter TACH 948.4	[Signature]	284978

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Total to Date

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T9588

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
10/26/04	TACH		Comp. Check #1 74 #3 76 #2 74 #4 74	[Signature]	284978
	958	8	Replaced #4 cyl. Valve cover gasket	[Signature]	
	285	8	Tighten intake tubes to cyl. - cleaned sparkplug	[Signature]	
			I certify this engine has been inspected IAW an Annual inspection and found to be in Airworthy condition. Jacob J. Luitjens 234 37 8925 IA.		
12/26/04	TACH	9	89.6 Changed Oil 8 QTS 15W50 New Filter	[Signature]	284978
TTE	316	6	TEST flew Ret to Soc		

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Total to Date

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# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
3/24/05			TACH 1036.9 Change Oil & Filter 8QTS 15W50		
TTE	3	9	Installed New Air Filter RTS	<i>[Signature]</i>	2847978
5/19/05			TACH 1067.5 Removed, Cleaned, Re-gapped		
TTE	3	5	& Re-installed Spark Plugs	<i>[Signature]</i>	2847978
6/23/05	4	6	TACH 1086.6 Changed Oil, Filter 8QTS 15W50	<i>[Signature]</i>	2847978
8/14/05	4	8	TACH 1134.8 Changed Oil, Filter 8QTS 15W50	<i>[Signature]</i>	2847978
			TTAF = 11,146.8		

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Total to Date

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# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
10/27/05	4	8	Tighten mixture and Throttle control on CARBURATOR - cleaned and gapped		
			SPARKPLUGS - Compression 1-70 370 2-70 470 over 80. Installed new K&N Airfilter.		
			I certify this engine has been inspected i.A.W. an Annual inspection and found to be in Airworthy Condition.		
			Jacob J. Luitjens 235 37 8925 IA.		
11/21/05	5	2	Change Oil/Filter 8QTS 15W50 TACH 1184.2	<i>[Signature]</i>	2847978

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Total to Date

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TTE

## ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
3/31/06	546.9		Installed New Antolite UREM 38E Spark Plugs TACH 12119.9		2847978
4/18/06	562.1		Chg Oil 8qts 15W50 New Filter TACH 12351.1		2847978
6/17/06	589.3		Chg Oil 8qts 15W50 New Filter TACH 1242.3		2847978
7/8/06	599.2		Chg Oil 8qts Shell 100W New Filter TACH 1273.2		2847978
10/9/06	645.2		Chg Oil 8qts Shell 100W New Filter TACH 1319.2		2847978
12/14/06	684.2		Chg Oil 8qts Shell 15W50 New Filter TACH 1358.2		2847978
3/27/07	727.0		Chg Oil 7qts Shell 100W New Filter TACH 1401.0		2847978
5/19/07	754.0		Cleaned/gapped Spark Plugs Cleaned Air Filter TACH 1428.0		2847978
7/18/07	775.2		Chg Oil 8qts Shell 100W New Filter TACH 1449.2 RIS		2847978
Page Total					
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Total to Date					
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## ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2000					
10/26	663.6		Checked and cleaned Plugs Replaced one spark plug with Champion. Comp. 1-75 270 375 470 over 80 I certify this engine has been inspected IAW an Annual inspection and found to be in Airworthy condition. Jacob J. Kuiticus 235 378925 IA exp 03/07		
Page Total					
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Total to Date					
All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.					

# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
2007					
10/29			Cleaned Sparkplugs gapped & comp.		
Tach.	14	50.8	#1-75 #3-72 #2-72 #4-72		
TTSN.	8	21.8	Changed oil & filter - Refilled 8Q Aeroshell.		
			10,000 and can of AVblend.		
			I certify this engine has been inspected & is in an Annual inspection and found to be in Air worthy condition.		
			Jacob J. Rutjens 2436855 I.A.		
Page Total					
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Total to Date					

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# ENGINE LOG

Serial No. \_\_\_\_\_

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
12/11/07	15	0.1	Removed/Reinstalled SKYTECH 149 NL STANCH		
Tach.T.			New solenoid switches 12/11/07		
			TTSN 836.1		
			Jacob J. Rutjens 2436855 A&P.		
2-16-08	15	29.3	AW Oil 8QTS A/S 15W50 New Filter		
Tach			Jacob TTSN 855.3		
8/19/08	15	04.0	AW Oil 8QTS A/S 100W New Tempes Filter		
Tach			TTSN 910.0 Jacob Lic No 2847978		
Page Total					
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# ENGINE LOG

P.O. Box 555

Courtland, AL 35618

(256) 637-0901

MARKS

P.O. Box 555

Courtland, AL 35618

(256) 637-0901

All Rep  
ertific  
ertific



Apr 15, 2013

Tach 1752.5

TSMOH 1079.5

N434S

Performed an annual inspection this date in accordance with FAR 43.13(D). Ad 12-19-01 N/A, see compliance sheet. Changed oil with Phillips 20W50 and a CH48110-1 filter. No metal found. Compression test as follows; #1 77/80 #2 75/80 #3 76/80 #4 75/80. I certify that this powerplant has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition at this time.

*James D Achord*  
James D Achord AP27382351A

# ENGINE LOG

Serial No. \_\_\_\_\_

TACH

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
5/16/14			TACH 1758.8 TSMOH: 1085.8		
			PERFORMED A 100 HR/ANNUAL INSPECTION THIS DATE IN ACCORDANCE WITH FAR 43.13(D). NO AD'S DUE AT THIS TIME. CLEANED GAPPED PLUGS AND CHECKED ENGINE TIMING. COMPRESSION AS FOLLOWS; #1 75/80 #2 78/80 #3 77/80 #4 78/80 CHANGED OIL USING 7 QTS 20W50 PHILLIPS XC AND CH48110-1 FILTER. NO METAL FOUND. ROTORTQUEED FUEL PUMP FITTING LK CHECK GOOD. I CERTIFY THAT THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE AIRWORTHY AT THIS TIME. <i>James D Achord AP27382351A</i>		
			Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.	
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			Total to Date		









05/20/2022 Piper PA28-181 N434S s/n 28-8290085 Tach: 1793.2 Hobbs: 3955.3

Lycoming O360A4M s/n RL-32556-36A

Sensenich 76EM855-0-62 s/n 31242K

Removed engine driven fuel pump. Installed overhauled fuel pump from Aero Accessories LLC (p/n:

LW15472, s/n: OWL026)-8130 in logs. Removed carburetor (p/n: 10-5193, s/n: CP85011). Installed

Overhauled MA4-5 carb from Marvel-Schebler Aircraft Carburetors, LLC (p/n: 10-5193, s/n: MS0VPL09)-

8130 in logs. Verified compliance w/ AD 63-22-03. Engine run up/ops check good-no leaks noted. Work

performed with reference to Lycoming Overhaul Manual and Lycoming S.I. 1484C.

Michael K Weiss A&P 3566362

05/20/2022 Piper PA28-181 N434S s/n 28-8290085 Tach: 1793.2 Hobbs: 3955.3

Lycoming O360A4M s/n RL-32556-36A

Sensenich 76EM855-0-62 s/n 31242K

Drained oil, replaced spin on oil filter with new. Removed sump drain on right side and applied sealant

compound to threads and reinstalled. Removed sump pick up screen, cleaned and reinstalled with new

crush seal. Serviced using Phillips XC 20/50 oil. Solvent washed engine and cowlings. Performed 100

hour / annual inspection and servicing per Lycoming O360 series manuals and the scope and detail of

FAR 43 appendix D. Compressions checked #1=76, #2=74, #3=78, #4=76/80 psi. Engine run up, checked

for leaks. I certify that this engine was inspected per FAR 43.15(a)(1)(c)(1)(2) for an annual inspection

and was determined to be in airworthy condition. Joseph G. Sills IA 405867971

ENGINE LOG/DYB

Serial No. \_\_\_\_\_

Date: 04/19/2023 Hours: Tach: 1871.6

Tail#: N434S

Make: Piper

Model: PA-28-181

S/N: 28-8290085

Removed upper spark plugs.

Removed Left magneto (P/N: 4371 S/N: 03041268).

Installed Overhauled mag by Kelly Aerospace (P/N: 4371 S/N: L-01310) with new gaskets.

Removed right mag, replaced gasket, re-installed right mag.

Set mag timing.

Cleaned, gapped, installed upper spark plugs.

Engine run-ops check good, no leaks noted.

Work performed with reference to Lycoming Direct Drive Overhaul Manual and Champion Aerospace 4300 series Magneto Maintenance and Overhaul Manual.

Name: Michael K Weiss

Co: Sills Aviation Services

Cert: 3566362

Sign:

*Michael K Weiss*

Repair Data Must Bear the Endorsement of a  
tificate Mechanic, and his Rating and  
tificate Number MUST be Shown.