



*The Standard*

# **ENGINE LOG**

**ASA-SE-1**

## Engine Record General Information

Manufacturer LYCOMING Model O-360-A1A

Serial L-7383-36A Type Certificate \_\_\_\_\_

This engine is currently installed in aircraft \_\_\_\_\_

Minimum Octane Fuel \_\_\_\_\_ Oil Grade: Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer recommended overhaul at \_\_\_\_\_ hours

AEROTECH

2502 John Montgomery Dr. \* San Jose, Ca., 95148 \* (408) 272-0245

Date: 20 August 1996

Lycoming

O-360-A1A

Tach: 000.00

Total: 2209.0

Total SMOH: 0.0

S/N L-7383-36A

Engine disassembled, cleaned, inspected, repaired as necessary and reassembled in accordance with the AVCO Lycoming Overhaul manual and applicable service bulletins & instructions.

Crankshaft, crankcase and rods were refurbished to factory specifications. Cylinders were overhauled P010 assemblies. Engine was reassembled with the following new parts: Exhaust valves, guides, keepers and rocker shafts; Pistons, rings, pins and plugs; Main bearings (M010); Connecting rod bolts, nuts and bearings (M010); Crankshaft gear and bolt; Magnetos; Fuel pump; Gaskets and seals; Reground camshaft and lifter bodies. Starter overhauled.

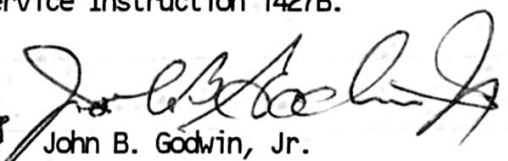
Remainder of accessories are to be installed by installer. Engine is to be reinstalled in aircraft with new engine mounts and aeroducts as needed. Engine is to be ground run for leak check and adjustments. Aircraft is to be flown and engine subjected to inflight run-in in accordance with Lycoming Service Instruction 1427B. AD 91-14-22 complied by installation of new gear on shaft. AD 96-09-10 complied with by installation of hardened steel impellers. AD 90-04-06 R1 by installation of steel fittings and new tube assembly.

I certify that this engine is in airworthy condition pending installation, ground testing and in-flight run-in in accordance with Lycoming Service Instruction 1427B.



**AEROTECH**

2502 John Montgomery Dr  
San Jose, CA 95148

  
John B. Godwin, Jr.  
A&P 1795278

DATE 19__	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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DATE: 7-28-97 TACH: 000.0 ENGINE S/N: L-7383-36A  
 LYCOMING O-360-A1A CESSNA 174A  
 N#: 6771E A/C S/N: 56271

Removed Continental GO-300-C model engine and McCauley 1B175 model propeller. Installed Lycoming engine listed above as overhauled by Aerotech and Hartzell propeller model #HC-C2YK-1BF, serial #CH5658E in accordance with STC SA424CE. Installed spinner assembly, Piper P/N 67790, with reference to STC SA777CE. Engine installed using new hoses and shock mounts. Service engine with Aeroshell 40Wt. non-detergent oil. Engine ground run operational, leak check and test flight satisfactory. For complete details concerning this installation, refer to W.O. 7254 on file at this overhaul facility. END.

David C. Swieter  
 A&P 523885230

*David C. Swieter*

FIREWALL FORWARD, INC.  
 5212 CESSNA DR.  
 LOVELAND, CO. 80538  
 970-669-6185

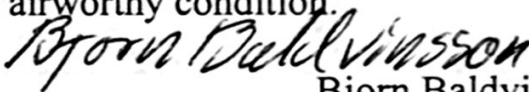


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
26 August 1997				Tach reads 0001 <sup>st</sup> hours. Time since major overhaul 0001 <sup>st</sup> hours. Total time in service 2210 <sup>th</sup> hours. Performed <del>the</del> annual inspection in accordance with FAR 43 appendix D and checklist. Compression Test Results as follows #1 = 76/80 #2 = 74/80 #3 = 75/80 #4 = 68/80. Inspected controls, mounts, wiring, hoses, accessories. Fuel screens serviced, exhaust system inspected. Oil not changed at this time. Solvent washed engine and cowling. Runup check systems, leaks performance found satisfactory. I certify this aircraft engine was inspected in accordance with an annual inspection and was found airworthy. [Signature] 523884251A

DATE 19__	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.)
22 FEB 99	TACH	0112	TSMO 0112	PERFORMED ANNUAL INSPECTION IN ACCORDANCE WITH FAR PART 43 APPENDIX D BY USING A CHECKLIST. COMPRESSION CHECK: #1 <sup>78</sup> / <sub>80</sub> #2 <sup>74</sup> / <sub>80</sub> #3 <sup>79</sup> / <sub>80</sub> #4 <sup>71</sup> / <sub>80</sub> CHANGED OIL AND FILTER AND SERVICED WITH 8 QRTS 40WT. MINERAL OIL AND CH 48110 FILTER. CHECKED OIL AND FUEL SCREENS. CHECKED MAG-TO-ENGINE TIMING. CLEANED SPARK PLUGS. PRESSURIZED EXHAUST AND INSPECTED FOR LEAKS. ALL AD'S CAN BE FOUND IN AIRCRAFT RECORDS. SOLVENT WASHED ENGINE AND TEST RUN. ADJUSTED PROP GOV. CONTR. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS FOUND AIRWORTHY.
				John Doe A15078317A





DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p align="center"><b><i>Air West Flight Center Inc.</i></b></p> <p align="center">Longmont Colorado</p> <p align="center">Date: 8-14-2001 Tach: 53.1 N6771E</p> <p>Performed a 100-hour inspection in accordance with FAR 43 appendix D and Air West checklist. Compression tested as follows; cyl #1 68/80 cyl #2 65/80 cyl #3 72/80 cyl #4 68/80. Drained engine oil and removed oil filter. Inspected oil suction screen and opened oil filter, no contaminants found. Replenished engine oil with 8 quarts Aeroshell 100W and installed new oil filter CH 48110. Secured loose oil return line cyl #1. Cleaned and serviced all sparkplugs. Pressure tested exhaust heat exchanger, no defects noted. Washed engine, engine run and leak check OK. I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.</p> <p align="right">             Bjorn Baldvinsson            A&amp;P 2594312         </p>



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## ***Air West Flight Center Inc.***

Longmont Colorado

Date: 09-10-2002 Tach/TT: 112.4 SMOH: 112.4 N6771E

Performed 100 hour inspection in accordance with FAR 43 appendix D and Air West checklist. Compression check as follows: cyl #1 79/80 cyl #2 74/80 cyl #3 70/80 cyl #4 62/80. *This may be incorrect* Serviced engine with eight quarts Phillips X-C 20w-50 oil. Removed and inspected filter for metal particles, was found to be normal. Repositioned cabin heat scat tubing for throttle clearance. Installed new oil filter, p/n CH48110. Secured cyl #1 oil drain line. Cleaned, gapped and inspected sparkplugs. Engine operation/ leak check good. I certify that this engine has been inspected with a 100 hour inspection and was determined to be in airworthy condition.

Cory West  
AP520131397

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4 Feb	2005	TAC READS 126.0		TT ENGINE 2335.0 - TSMOH 126.0
		COMPRESSION CHECKS		75-70-77-74/80 - CHANGE OIL, ADD PHILLIPS X-C
		20W50 - CHANGE FILTER		INSTALL E\$48110 - OLD FILTER & INLET SCREEN INSPECTED
		OK - RETIME VALVEGOTOS		TO ENGINE, CLEAN & GAS SPARK PLUGS - PRESSURE CHECK
		EXHAUST SYSTEM		- RUN UP & LEAK CHECK OK

"I certify this ENGINE.....

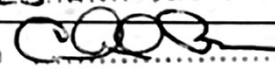
has been inspected in accordance

with ANNUAL..... inspection and

was determined to be in airworthy

condition"

Date 4 Feb 05 Tac Time 126.0


Signature 


A&P 2052200 AC

DATE 19__	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.)
19 OCT	06	TACH	Revs 143.6	TI Engine 2352.4 - Tsmort 143.6
		Compressor	Checks	79-78-77-78 <sup>1</sup> /80 - CHANGE OIL, ADD Phillips X-C
		20W50 -	Install	NEW CH-48110-1 FILTER, OLD FILTER & INLET SCREEN INSPECTED
		OK, CHECK	MAGNETO	TIMING - CLEAN & GAP SPARK PLUGS - PRESSURE
		CHECK EXHAUST	System -	Install NEW BA-8
		INLET FILTER	Element -	REMOVE prop FOR
		AD2006-18-15	Compliance &	REINSTALL AFTER EDOY
		CURRENT	INSPECTION -	DUE EA 100/ANNUAL

"I certify this ENGINE.....  
has been inspected in accordance  
with Annual..... Inspection and  
was determined to be in airworthy  
condition"

Date 19 OCT 06 Tach Time 143.6.....

Signature 

A&P  ADP2052200



DATE 19__	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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~~1900 06 - TACH Reads 143.6 TT ECU~~

11 JUNE 10 - TACH Reads 163.8 - TT ECU 2372.8 - TSMON 163.8 - Compression Checks  
 74-74-77-74/80 - CHANGE OIL, ADD AGOSWELL 15W50, INSTALL NEW CH 4840-1  
 FILTER - OLD FILTER INSPECTION OK - CLEAN, GAS TEST SPARK PLUGS - ADJUST MAG  
 TIMING - CLEAN FUEL SCREEN, PRESSURE CHECK WAS MUFF AD 2008-19-5 E

"I certify this ENGINE  
 has been inspected in accordance  
 with ANUVIA Inspection and  
 was determined to be in airworthy  
 condition"


Date 11 JUNE 10 Tac Time 163.8

Signature CAD

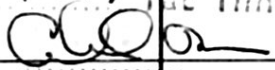
A&P 2052200 AT

AD 2009-26-12 N/A - NO ECU Cyls installed



DATE 19__	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.)
22 May 12	TACH Reads 174.6			TT Engine 2383.6 - TSMOH 174.6 - Compression Checks 79-75-79-76/80 - Replace Fasteners in C12B Air Box, CHANGE OIL, ADD 8qt Aeroshell 15W50 - install new CH48110-1 Filter - old Filter inspected OK - CLEAN, GAP, TEST Spark PLUGS - ADJUST MAG TIMING, TIGHTEN INTAKE CLAMPS - CLEAN FINE SCREENS - AD 2012-3-7 H46 CARBURATOR N/A - NOT INSTALLED
"I certify this Engine has been inspected in accordance with ANNUAL Inspection and was determined to be in airworthy condition" Date 22 May 12 Tach Time 174.6 Signature  A&P 2052200 AG				

[illegible]

DATE 19__	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.)
				TACH Reads 214.3 - TI EDG 2423.3 - TSMON 214.3
"I certify this ENGINE				Compression Checks 75-74-76-73/80 - CLEAN
has been inspected in accordance				GAP & TEST SPARK PLUGS - CHECK MAG TIMING
with ANNUAL Inspection				CHANGE OIL & FILTER - ADD 8QT ACROSHELL 15W50
was determined to be in satisfactory				NEW FILTER CH 48110-1 INSTALLED - OLD FILTER
condition"				INSPECTED OK - PRESSURE CHECK EXHAUST SYSTEM
Date 17 APR 17	Tach Time 214.3			AD 2009-22-3 PROP HUB INSP. DUE TACH 250.0
Signature 				
A&P 2052200 AI				

DATE to 2018	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE TSMOH	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.)
8-1-2018	220.8		220.8	Annual inspection completed per FAR 43 app D
				compression test results: cyl #1 = 71/90 #2 = 76 #3 = 75
				#4 = 77. Inspected spark plugs. checked magneto timing.
				Tested exhaust system with air pressure. Changed oil
				and filter. Checked old filter for metal - none noted.
				Serviced engine with 8 quarts Aeroshell 15W50.

"I certify this ..... Engine	
has been inspected in accordance	
with ..... an annual ..... Inspection and	
was determined to be in airworthy	
condition"	
Date 8-1-2018	Tac Time 220.8
Signature <i>Ally Sonobuck</i>	
143 66 5122 1A	

DATE 2019	RECORDING TACH TIME	TODAY'S FLIGHT TSMOFT	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.)
10-16-19	227.1	227.1	2436.1	Completed annual inspection per CFR 43 ap(d) Compression test results: cyl #1 = 73/80 #2 = 75 #3 = 74 #4 = 70. changed oil and filter. Inspected old filter for metal - none noted. serviced engine with 8 quarts Aerushell 15W50. Replaced engine baffle seal. washed engine. Inspected spark plugs. Engine ground run-up for leak check and performance satisfactory.
"I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition"				
Date 10-16-19				Tac Time 227.1
Signature <i>Ally Goodrich</i>				
A&P 1436651221A				





wo: WO\_2022\_003

Engine · page 1 of 1



Hangar 1 Inc · 721 Airport Rd · Greeley, Colorado 80631 · 970-356-3430

repair

**N6771E**

TACH: 253.5

**Lycoming, O-360-A1A, S/N: L-7383-36A**

SINCE NEW: 2462.5

SINCE OVERHAUL:  
253.5**February 08, 2022**

Performed an Annual Inspection in accordance with 14 CFR Part 43 Appendix D. Changed oil and filter. Installed 7qts Aeroshell 15W-50 and CH48110-1 filter. Cut and inspected filter, no defects noted. Compression check: #1- 70/80, #2- 70/80, #3- 70/80, #4- 73/80. Cleaned air/oil separator. Secured cabin heat SCAT tubing away from carb heat control arm. Installed all new valve cover gaskets, P/N SL75906. Install new drain back tube rubbers, P/N SL-STD-1821. Replaced one UREM38E spark plug. Test run and leak check satisfactory. AD compliance list may be found in aircraft records.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Hangar 1 Inc under work order: WO\_2022\_003.

Cody McGary A&amp;P / IA 3128849

A handwritten signature in black ink, appearing to read "Cody McGary".

DATE 19 ____	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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wo: WO\_2024\_028

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Hangar 1 Inc · 721 Airport Rd · Greeley, Colorado 80631 · 970-356-3430

**N6771E**  
TACH: 260.9

**Lycoming, O-360-A1A, S/N: L-7383-36A**  
SINCE NEW (TACH): 2469.9  
SINCE OVERHAUL (TACH): 260.9

**April 17, 2024**

Performed an Annual Inspection in accordance with 14 CFR Part 43 Appendix D. Changed oil and filter. Installed 7qts Aeroshell 15W-50 and CH48110-1 filter. Cut and inspected filter, no defects noted. Compression check: #1- 68/80, #2- 75/80, #3- 74/80, #4- 69/80. Test run and leak check satisfactory. AD compliance list may be found in aircraft records.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Hangar 1 Inc under work order: WO\_2024\_028.

Cody McCary A&P / IA 3128849

6/6/2025 N6771E Tach: 265.6 Total time: 2474.6 TSMOH: 265.6

Performed annual inspection IAW FAR 43 Appendix D using a checklist. Compression results as follows: #1 76/80 #2 76/80 #3 76/80 #4 77/80. Adjusted magneto to engine timing. Cleaned gapped and tested spark plugs. Drained oil and removed old oil filter. Installed new CH48111-1 oil filter and serviced with 7 quarts of Phillips 20/50 XC. Cut inspected old oil filter. No defects noted. Replaced engine air filter with a new BA 6108. Inspected engine for oil leaks and operation. I certify that this engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition.

Brian E. Pickerell



Longmont Aviation LLC

A&P3615382IA
