



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer Lycoming Model O-360-A4M

Serial L-23452-36A 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

YEA

DATE

Repair

Overhaul Records
Lycoming O-360-A4M s.n. L-23457-36A
January 18, 2009 5502 hrs.

Parts Installed

8 - SL13521A Rod Bearings
4 - SL11020 Bearings
2 - SL13884A Bearings
8 - AEL75061 Rod Bolt
8 - AEL12186 Connecting Rod Nuts
1 - AELSTD2213 Crank Screw
1 - LW-18110 Pump Gear
1 - LW-18109 Pump Gear
1 - AEL61084 Oil Pressure Spring
1 - 1028-B Ball
4 - AEL19001 Exhaust Valves
8 - AEL31C12 Exhaust Studs
4 - AEL74230 Exhaust Guides
4 - AEL11800 Exhaust Valve Springs
8 - AEL60009 Valve Keepers
8 - MS13997-3 Valve Keepers
4 - MS13998-3 Valve Caps
4 - AEL75089 Pistons
4 - SL3601-SC Piston King Kits
8 - 60828 Piston Pin Plugs
4 - SL69603 Hoses
1 - 18109A-S Gasket Kit
8 - AEL12892 Thrust Buttons
8 - UREM38E Spark Plugs
1 - CH48110-1 Oil Filter

All locking hardware and other hardware as needed.

Case, oil sump and accessory housing cleaned and visually and dye penetrant inspected. Cylinders cleaned, dye penetrant and dimensionally inspected, valves and valve seats all refaced and bores ball honed. All internal steel inspected and reconditioned by Aircraft Specialties Services (see w.o. 169396). C/W AD 75-08-09 and AD 96-09-06 R1 by installing LW-18110 and LW-18109 Gears. C/W AD 2006-10-14 by inspecting and assembling crankgear and crankshaft in accordance with Lycoming SB 475C. Overhauled engine I/A/W Lycoming Direct Drive Overhaul Manual.

Allan Hatz
A & P 399782276

YEAR:

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YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Duffy's Aircraft Sales & Leasing, Inc.
400 W.29th St.
Marshfield, WI 54449

February 12, 2009,
6648.7 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6648.7 Hours Tach
L-23457-36A

N3474M
0 Hours SMOH
5502 Hours Total Engine

Installed on Piper PA-28-181, N3474M, s.n. 28-7890303. See airframe log for details. Serviced with 8 qts. of Phillips 20W50 Type M break in oil. Test run and leak checked all o.k.



Allan Hatz
A&P 399782276
Inspection Authorization

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

Duffy's Aircraft Sales & Leasing, Inc.
400 W. 29th St.
Marshfield, WI 54449

Sept 3, 2009,
6673.9 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6673.9 Hours Tach
L-23457-36A

N3474M
25.2 Hours SMOH
5527.2 Hours Total Engine

Changed oil with 8qts Phillips 20w50 and Tempest AA48110 filter and checked oil suction screen, found ok.
Reamed all exhaust valve guides test ran ok.

Robert Gaier
A&P 390667161

Robert Gaier

YEAR:	DATE
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YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Duffy's Aircraft Sales & Leasing, Inc.
400 W.29th St.
Marshfield, WI 54449

March 11, 2010
6710 Hours Total
Lycoming O-360-A4M

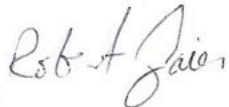
Piper PA-28-181
6710 Hours Tach
L-23457-36A

N3474M
61 Hours SMOH
5563.3 Hours Total Engine

Changed oil with 8qts Phillips 20W50 and Champion 48110-1 filter and checked oil suction screen, found o.k. Cleaned and gapped plugs. Compression #1- 74/80 #2-75/80 #3-73/80 #4-72/80 test ran ok.

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

Robert Gaier
A&P 390667161



YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Dec 3	6751	Hrs Tach.		
2010		Changed oil with 8 qts Phillips 20 NSO & Tempst. 48110-2		
		filter. Cleaned & gapped plugs. End.		
				Robert Gaier A&P 3495085

January 20, 2011
6751 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6751 Hours Tach
L-23457-36A

N3474M
102 Hours SMOH
5604 Hours Total Engine

Compression #1- 73/80 #2-71/80 #3-71/80 #4-75/80.

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

Robert Gaier
A&P 3495085

Rob + Gaier

YEAR:

DATE

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

Duffy's Aircraft Sales & Leasing, Inc.
400 W.29th St.
Marshfield, WI 54449

November 12, 2012
6752 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6752 Hours Tach
L-23457-36A

N3474M
103 Hours SMOH
5605 Hours Total Engine

Compression #1- 72/80 #2-73/80 #3-70/80 #4-72/80. Lubed controls

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

Robert Gaier
A&P 3495065

Robert Jairo

YEAR:

RECORDING

TODAY'S

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Duffy's Aircraft Sales & Leasing, Inc.
400 W. 29th St.
Marshfield, WI 54449

June 17, 2014

Piper PA-28-181

N3474M

5653 Hours Total

6800 Hours Tach

151 Hours SMOH

Lycoming O-360-A4M

L-23457-36A

Changed oil with 8 qts Phillips 20w50 and Tempest AA4810-2 filter and checked oil suction screen for
contaminates, found o.k. Cleaned and gapped plugs. Compression #1- 72/80 #2-72/80 #3-71/80 #4-72/80.
Test ran o.k.

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

Robert Gaier
A&P 390667161



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YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
_____ _____ _____	April 22, 2015 5697 Hours Total Lycoming O-360-A4M	_____ _____ _____	_____ _____ _____	Piper PA-28-181 6844 Hours Tach L-23457-36A N3474M 195 Hours SMOH Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Compression #1- 77/80 #2-76/80 #3-76/80 #4-76/80. Test ran o.k. I certify that this engine has been inspected in accordance with a 100hr inspection and was determined to be in airworthy condition. Robert Gaier A&P 3495085
_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____
_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____	_____ _____ _____

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Robert J. J. J.

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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May 26, 2016
5768 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6915 Hours Tach
L-23457-36A

N3474M
266 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Compression #1- 75/80 #2-76/80 #3-74/80 #4-77/80. Installed new engine air filter BA-3 filter. Test ran o.k.

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

Robert Gaier
A&P 3495085

Robert Gaier

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May 16, 2017
5791 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6938.4 Hours Tach
L-23457-36A

N3474M
289 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Compression #1- 72/80 #2-74/80 #3-72/80 #4-70/80. Test ran o.k.

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

Lee Taylor
A&P-2702401

May 29, 2018
5839 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
6986.4 Hours Tach
L-23457-36A

N3474M
337 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Compression #1- 74/80 #2-75/80 #3-76/80 #4-76/80. Test ran o.k.

C/W A.D. 2017-16-11 and found engine not listed in SB 632B or rods repaired in A.D Timeline.

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

Lee Taylor
A&P 2702401

May 23, 2019
5885.7 Hours Total
Lycoming 0-360-A4M

Piper PA-28-181
7033.1 Hours Tach
L-23457-36A

N3474M
383.7 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Sent exhaust to Dawley for rebuild See W.O #118874
Repair details. Replaced exhaust gaskets with new.

Compression #1- 74/80 #2-74/80 #3-74/80 #4-75/80. Test ran o.k.

C/W A.D. 2017-16-11 and found engine not listed in SB 632B or rods repaired in A.D Timeline.

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

Lee Taylor
A&P 2702401



YEAR:

DATE

March 13, 2020
5945 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
7092.4 Hours Tach
L-23457-36A

N3474M
443 Hours SMOH

Repair

Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and cleaned and gapped plugs.

Robert Gaier
A&P 3495085



Duffy's A

January
5958.2 H
Lycoming

Replaced

December 14, 2020
5953.8 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
7101.2 Hours Tach
L-23457-36A

N3474M
451.8 Hours SMOH
2391 Hrs. TT Prop

Cleaned engine. Installed all new LW-11800 valve springs and SL73906 gaskets. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs.

Compression #1- 74/80 #2-74/80 #3-74/80 #4-75/80. Test ran and leak checked o.k.

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

Allan Hatz
A&P 399782276



January 20, 20
5995.1 Hours
Lycoming O-36

Cleaned engine
contaminates
leak checked a

Compression #

I certify that this

Repair

Duffy's Aircraft Sales & Leasing, Inc.

January 28, 2021
5958.2 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
7105.6 Hours Tach
L-23457-36A

N3474M
456.2 Hours SMOH

Replaced defective EZ-Heat oil pan heater with new unit.



Luke Sebentsfeldt
A&P 4397188

Iterations

Number of Technician or Repair

January 20, 2022
5995.1 Hours Total
Lycoming O-360-A4M

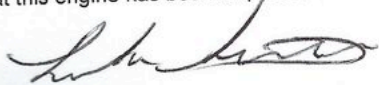
Piper PA-28-181
7142.3 Hours Tach
L-23457-36A

N3474M
493.1 Hours SMOH
2432.3 Hrs. TT Prop

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Checked points in left mag and timed to engine. Ran engine. Operation and leak checked all good.

Compression #1- 74/80 #2-72/80 #3-72/80 #4-72/80. Test ran and leak checked o.k.

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



Luke Sebentsfeldt
A&P 4397188

YEA

wo: WO_924

Engine · page 1 of 1



Repair

DAT

Gibson Aviation Services · 1400 Indianhead Dr. East · Menomonie, WI 54751 · 7152311836

N3474M

Lycoming/O-360-A4M, S/N: L-23457-36A

February 17, 2023

TACH: 7186.29

ETT: 6039.09

ETSMO: 537.09

1. Performed an Annual Engine Inspection IAW AMM. Researched AD's to date. Drained oil, removed filter and inspected. No contaminants found. Installed new AA48110-2 filter, torqued and safetied. Serviced engine with 7qts Phillips X/C 20w50. Compressions: #1-75/80, #2-76/80, #3-74/80, #4-73/80. Lubed and checked control travels. Removed, cleaned, gapped, tested and re-installed spark plugs. Verified Mag. to engine timing. Visually inspected and pressurized exhaust/muffler assembly. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW an Annual Inspection and was determined to be Airworthy at this date and time. The following discrepancies were addressed:
2. AD22-16-03 DNA. TCM-S-1200 mags not installed.
3. Cleaned and tightened all rocker covers. Leak check satisfactory.
4. Tightened clamps on cylinder oil return lines.
5. Replaced alternator power wire adel clamp on #3 cylinder drain.

With respect to the work performed, this engine is approved for return to service.

Aaron Simmons A&P/IA 3592994

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wo: WO_924

Propeller - page 1 of 1

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Gibson Aviation Services - 1400 Indianhead Dr. East - Menomonie, WI 54751 - 7152311836

DA/

N3474M

McCauley/1A170

February 17, 2023

TACH: 7186.29

PTT: 2476.29

1. Performed an Annual Propeller Inspection. Researched AD's to date. I certify that this Propeller has been inspected IAW an Annual Inspection and was determined to be Airworthy at this date and time.
2. Dressed and painted back of propeller blades.

With respect to the work performed, this propeller is approved for return to service.

Aaron Simmons A&P/IA 3592994

March 8, 2024
6075.83 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
7223.03 Hours Tach
L-23457-36A

N3474M
574 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for contaminants, found o.k. Cleaned and gapped plugs. Installed new SL76940 crankshaft oil seal. Checked left and Right mag timing. Ran engine Operation and leak checked all good.

Compression #1- 72/80 #2-74/80 #3-75/80 #4-78/80. Test ran and leak checked o.k.

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

Brian Schar
A&P 397983833

July 15, 2025
6091 Hours Total
Lycoming O-360-A4M

Piper PA-28-181
7238.2 Hours Tach
L-23457-36A


N3474M
589 Hours SMOH

Cleaned engine. Changed oil with 8 qts Phillips 20W50 and Tempest AA4810-2 filter and checked oil suction screen for
contaminates, found o.k. Cleaned and gapped plugs.

Compression #1- 77/80 #2-78/80 #3-76/80 #4-76/80, hot. Test ran and leak checked o.k.

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

Allan Hatz
A&P 399782276



YEAR:

DATE

RECOR
TACH
TIME