



WESTERN
Skyways
INC.

GOLD SEAL AIRCRAFT ENGINES

21 Creative Place
Montrose, CO 81401
www.westernskyways.com

(800) 575-9829
(970) 249-0282
FAX: (970) 248-4156

Engine Make: LYCOMING Model: O-360-A4P converted O-360-A4M
Serial Number: L-16220-36AC W/O No: W058998 Date: 20 SEP 2022
Warranty Number: I22217 Warranty Start Date: OCT 2022
Crankshaft Serial No: N20DFA4910821 #001 Cylinder Part Number: SL36006W-A20P

This engine and accessories listed below were overhauled to "Factory New Tolerances" per Overhaul Manual No: 60294-7-14 and Western Skyways, Inc. Repair Specification WSI-100 "Use and Application of Hylomar Sealant" dated 11/10/2010 on all Teledyne Continental Motor Engines and Lycoming Engines as applicable. See back section for Airworthiness Directives and Service Bulletin compliance. This engine was run in a test cell. Total Previous Time: Unknown Hrs.

This engine meets requirements of LYCOMING SI 1009BE for 2000.0 Hour TBO

The accessories listed below were New or Overhauled and supplied with this engine:

Component	Part No.	Serial No.	Component	Part No.	Serial No.
L/H Mag:	4371 NEW	22050538	Vac Pump:	N/A	N/A
R/H Mag:	4371 NEW	21020979	Wastegate:	N/A	N/A
Fuel Pump:	AF-154732	0Y0303	Alt/Gen:	10-1051	H-V113256
Inj/Carb:	10-4164-1	MS0YCT01	Pop Off:	N/A	N/A
Man Valve:	N/A	N/A	Controller:	N/A	N/A
Starter:	149NL	H-V120442	VAPC:	N/A	N/A
Turbo:	N/A	N/A	Fuel Limiter:	N/A	N/A
Prop Gov:	N/A	N/A	Tach Gen:	N/A	N/A

MAINTENANCE RELEASE

The engine and accessories listed above were overhauled and inspected in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Pertinent details of this repair are on file at this Repair Station on above work order.

Signature: 

Repair Station No. WS9R575J

Form 200 Rev. 2

Cylinder S/N	Cylinder S/N
#1: 336W000008635	#5: N/A
#2: 336W000008638	#6: N/A
#3: 336W000008639	#7: N/A
#4: 336W000008640	#8: N/A

AD NOTES COMPLIANCE RECORD

DATE

Engine - Lycoming Engines - O-360-A4P c A4M

S/N: L-16220-36AC

Western Skyways Inc.
CRS # WS9R575J
W/O # W058998

Appliance - Magnetos - Slick

S/N: 22050538
S/N: 21020979

Model: 4371
Model: 4371

Appliance - Cylinder assembly - Superior Air Parts

366W000008635
366W000008638
366W000008639
366W000008640

P/N: SL36006W-A20P

Appliance - Carburetors - MA-4

S/N: MS0YCT01

P/N: 10-4164-1
Model MA-4-5

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
58-10-07	Cylinder baffle clamps	20 SEP 2022 UNKNOWN	Hooks and retainers provided.	X			Larry Flatten WS9R575J <i>FL</i>
63-22-03	Marvel Schebler carburetors	20 SEP 2022 UNKNOWN	Verified one-piece venturi installed.	X			Larry Flatten WS9R575J <i>FL</i>
64-16-05	Oil seal failure	20 SEP 2022 UNKNOWN	Installed NEW Tempest fuel pump, P/N: AF-15472.	X			Larry Flatten WS9R575J <i>FL</i>
66-20-04	Oil filter adaptor gasket	20 SEP 2022 UNKNOWN	N/A per engine serial number.	X			Larry Flatten WS9R575J <i>FL</i>
68-24-03	Marvel Schebler carburetors	20 SEP 2022 UNKNOWN	Not applicable by carburetor part number.	X			Larry Flatten WS9R575J <i>FL</i>
72-06-05 R2	Marvel Schebler carburetors	20 SEP 2022 UNKNOWN	New style levers installed.	X			Larry Flatten WS9R575J <i>FL</i>
73-23-01	Piston pin failures	20 SEP 2022 UNKNOWN	Installed new piston pins P/N: SL-13444-1.	X			Larry Flatten WS9R575J <i>FL</i>
74-18-05	Slick magnetos	20 SEP 2022 UNKNOWN	N/A per magneto model number.	X	N/A		Larry Flatten WS9R575J <i>FL</i>
75-08-09	Oil pump	20 SEP 2022 UNKNOWN	Installed new oil pump impeller kit 05K19423-S.	X			Larry Flatten WS9R575J <i>FL</i>
80-08-05	Slick magnetos	20 SEP 2022 UNKNOWN	N/A per magneto model number.	X			Larry Flatten WS9R575J <i>FL</i>
81-16-05	Slick magnetos	20 SEP 2022 UNKNOWN	N/A per magneto model number.	X			Larry Flatten WS9R575J <i>FL</i>
87-10-06 R1	Rocker arm assemblies	20 SEP 2022 UNKNOWN	Installed rocker arms, P/N: 69444 and 74636.	X			Larry Flatten WS9R575J <i>FL</i>
89-04-02	Facet carburetors	20 SEP 2022 UNKNOWN	Not applicable by carburetor serial number.	X			Larry Flatten WS9R575J <i>FL</i>
90-04-06 R1	Prop governor oil line	20 SEP 2022 UNKNOWN	N/A prop governor oil line not used on this engine.	X			Larry Flatten WS9R575J <i>FL</i>

AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
82-12-05	Piston pin failure	20 SEP 2022 UNKNOWN	Installed piston pins P/N: SL-13444-1	X			Larry Flatten WS9R575J <i>FL</i>
83-11-11	AC, Textron, Rayaj fuel pumps	20 SEP 2022 UNKNOWN	Installed NEW Tempest fuel pump, P/N: AF-15472.	X			Larry Flatten WS9R575J <i>FL</i>
85-07-01	Connecting rod bolts	20 SEP 2022 UNKNOWN	Installed NEW connecting rod bolts P/N: SL75061.	X			Larry Flatten WS9R575J <i>FL</i>
85-26-02	Low octane detonation	20 SEP 2022 UNKNOWN	Engine inspected at overhaul.	X			Larry Flatten WS9R575J <i>FL</i>
86-09-10	Oil Pumps	20 SEP 2022 UNKNOWN	Installed new oil pump impeller kit P/N: 05K19423-S.	X			Larry Flatten WS9R575J <i>FL</i>
87-15-11	Piston pin	20 SEP 2022 UNKNOWN	Installed new piston pins P/N: SL-13444-1	X			Larry Flatten WS9R575J <i>FL</i>
88-17-11	Crankshafts	20 SEP 2022 UNKNOWN	Installed NEW crankshaft, P/N: AEL36001-1, Lot # N20DFA4910821, S/N: 001. Reference Continental Aerospace Technologies Inc. 8130-3, W/O: 791853 0000311173 dated 28 JUL 2021.	X			Larry Flatten WS9R575J <i>FL</i>
2004-10-14	CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bolt	20 SEP 2022 UNKNOWN	Inspected crankshaft S/N: 001 counter bore recess per MSB 475. Installed modified crankshaft gear with new dowel, lockplate and new bolt P/N: STD-2248.	X		Anytime engine experiences a prop strike or gear is removed.	Larry Flatten WS9R575J <i>FL</i>
2005-19-11	Prevent failure of the crankshaft	20 SEP 2022 UNKNOWN	Installed NEW crankshaft, P/N: AEL36001-1, Lot # N20DFA4910821, S/N: 001. Reference Continental Aerospace Technologies Inc. 8130-3, W/O: 791853 0000311173 dated 28 JUL 2021.	X			Larry Flatten WS9R575J <i>FL</i>
2006-06-16	To prevent failure of the crankshaft	20 SEP 2022 UNKNOWN	Installed NEW crankshaft, P/N: AEL36001-1, Lot # N20DFA4910821, S/N: 001. Reference Continental Aerospace Technologies Inc. 8130-3, W/O: 791853 0000311173 dated 28 JUL 2021.	X			Larry Flatten WS9R575J <i>FL</i>
2006-06-01	CORRECTION - To prevent fatigue failure of the connecting rod and a possible uncommanded shutdown of the engine.	20 SEP 2022 UNKNOWN	Installed connecting rods P/N: AEL11750.	X			Larry Flatten WS9R575J <i>FL</i>
2006-12-07	To prevent loss of engine power due to cracks in the cylinder assemblies	20 SEP 2022 UNKNOWN	Installed NEW Superior cylinders.	X			Larry Flatten WS9R575J <i>FL</i>
2007-04-19	To prevent cylinder separation that can lead to engine failure	20 SEP 2022 UNKNOWN	N/A per cylinder serial number.	X	N/A		Larry Flatten WS9R575J <i>FL</i>
2007-04-19R1	To prevent cylinder separation that can lead to engine failure	20 SEP 2022 UNKNOWN	N/A per cylinder serial number.	X	N/A		Larry Flatten WS9R575J <i>FL</i>
2008-26-12	To prevent loss of engine power due to cracks at the head-to-barrel interface and possible engine failure caused by separation of a cylinder head	20 SEP 2022 UNKNOWN	Installed NEW Superior cylinders.	X	N/A		Larry Flatten WS9R575J <i>FL</i>
2012-03-07	To address a "machined-from-billet" HA-6 carburetor having a loose mixture control sleeve that rotated in the carburetor body	20 SEP 2022 UNKNOWN	N/A HA-6 carburetor not used on this engine.	X			Larry Flatten WS9R575J <i>FL</i>

**DESCRIPTION OF WORK PERFORMED –
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK**

DATE

TACH OR
RECORDING
METER
718 AF

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AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
2012-19-01	To prevent failure of the crankshaft	20 SEP 2022 UNKNOWN	Installed NEW crankshaft, P/N: AEL36001-1, Lot # N20DFA4910821, S/N: 001. Reference Continental Aerospace Technologies Inc. 8130-3, W/O: 791853 0000311173 dated 28 JUL 2021.		X	N/A	Larry Flatten WS9R575J <i>LF</i>
2017-16-11	Engine Connecting Rod Assemblies Integrity	20 SEP 2022 UNKNOWN	Installed connecting rod small end bushing P/N: SL13923A.	X			Larry Flatten WS9R575J <i>LF</i>



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21 Creative Place Montrose, CO 81401 CRS # WS9R575J

Engine Model: O-360-A4P converted O-360-A4M

Serial Number: L-16220-36Ac

Time: Unknown TTE

Work Order: W058998

Date: 20 SEP 2022

Converted engine from an O-360-A4P to an O-360-A4M utilizing Lycoming Parts catalog PC-306-A4M, dated 11/01/2012. Added "C" suffix to the engine serial number in accordance with Lycoming SI 1304J.

The engine and/or component identified above was overhauled and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this repair station under above work order.

Signed *Larry Flatten*
Larry Flatten
CRS# WS9R575J

FORM 201E



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Date: 19 May 2023
Tach time: 0:0
Estimated Total time: 1911.7
Aircraft Model: Piper PA28-140
#1 Engine Model: Lycoming O-360-A4M
Engine total time: Unknown
#1 Prop Model: Sensenich 76EM8-0-60
Prop Total time: 0

Reg. Number: N55064
Hobbs Time: NA
Work Order Number: B001239/B001277
Serial Number: 28-7325317
Serial Number: L-16220-36Ac
Engine TSO: 0:0
Serial Number: 107019K
Prop TSO: N/A

- Installed O-360-A4M engine and Sensenich 76EM8-0-60 propeller in accordance with CAVU Wings, LLC STC SA04516AT in accordance with CAVU Wings Installation Instructions dated 1 MAR 2021, rev A. Verified that Powerplant instrument markings meet the STC requirements. Replaced fuel filler placards to read 100 Octane. Installed Piper Flight Manual VB-437. Filed 337 form.
 - Installed O-360-A4M serial number L-16220-36Ac with new engine shock mounts, 2 each J9613-40 and J9613-53. Serviced with Phillips 20w50 type M oil. Installed overhauled carburetor 10-5193 serial number MS104B11. Ground run, leak, and operational checks good.
 - Installed new Sensenich propeller model 76EM8-0-60 serial number 107019K.
 - Installed new Airforms Inc engine cooling baffle kit PA28-140-1971.5-77.
 - Installed new fluid carrying hoses in engine compartment
 - Installed new oil cooler 8000075 serial number 12176.
- Installed Plane Power alternator and voltage regulator per Hartzell Engine Technologies, LLC STC SA10682SC in accordance with Master Drawing List No. 14-0000 Rev J dated 5/29/2015 and installation instructions 14-5001. Installed voltage regulator R1224 serial number H-V102364 and alternator SAL12-70 (10-1051) serial number H-V113256. Added Flight Manual Supplement AFMS 001 rev 1 to Pilots Operating Handbook. Weight and Balance updated. Verified proper wire and circuit breaker size per AC43.13-1B. Added ICA section of Drawing 14-5001 Rev C to aircraft permanent records. Filed 337 form.
- Installed new Power Flow Systems exhaust system PFS-14150 serial number 839 per STC SA02168AT in accordance with PFS-14150/PFS-14151 Tuned Exhaust system installation instructions and Instructions for Continued Airworthiness Report PFS-14250 rev I. Added Instructions for Continued Airworthiness PFS-14250-00 rev 1 to aircraft permanent records. Installed required placard on instrument panel. No Airplane Flight Manual Supplement required. Updated Weight and Balance. Filed 337 form.
- Installed new Brackett BA-104 Air filter system per Brackett STC SA693CE in accordance with Instruction Sheet BA-104-3. See previous 337 form filed March 3, 1990. Added Brackett air filter ICA document I-194 to aircraft permanent records.
 - Complied with **AD74-13-04, Throttle control cable**, effective date 21 June 1974. Visually inspected and found previously complied with by installation of Piper kit 760 780V per Service Letter 670.
 - Complied with **AD2017-14-04, Oil cooler hoses**, effective date 15 Aug 2017. Installed new hoses that meet TSO-C53a type D requirements. No further action required.

All work was performed in accordance with Piper Cherokee service manual 753-586, STC installation data and applicable installation manuals.
Ryan Dickerson
Airframe and Powerplant 2670501 *RD*

DATE

TACH OR
RECORDING
METER
TIME

DESCRIPTION OF WORK PERFORMED –
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



21 Creative Pl. Montrose, CO 81401
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Date: 05 JUN 2024
Tach time: 133.1
Est. Total time: 2044.8
Aircraft Model: Piper PA28-140
#1 Engine Model: Lyc O-360-A4P
Engine total time: Unknown
#1 Prop Model: 76EM8-0-60
Prop Total time: 133.1

Reg. Number: N55064
Hobbs time:
Work Order Number: B001314
Serial Number: 28-7325317
Serial Number: L-16220-36Ac
Engine TSO: 133.1
Serial Number: 107019K
Prop TSO: N/A

- Repaired #4 primer line.
- Installed new Brackett air filter element BA-3.
- Installed new oil quick drain P5000.
- Opened cowling. Drained oil, removed cut and inspected oil filter, no defects noted. Serviced engine with Phillips 20w50 oil. Performed compression check: 1) 75/80, 2) 75/80, 3) 75/80 and 4) 75/80. Visually inspected intake and exhaust systems. Inspected engine mount and engine controls. Visually inspected engine accessories. Checked AD status through biweekly 2024-11. **I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.**

Ryan Dickerson
Airframe and Powerplant 2670501 IA

Ry Dickerson

1 May 2025 N55064 Piper PA28-140 serial number 28-7325317 Tach time 182.6 Hobbs 199.4
Drained oil, replaced filter. Installed new CH48110-1 filter. Cut and inspected filter, no defects noted.
Serviced with Phillips 20w50 X/C. Ground run, leak and operational checks good.
Ryan Dickerson
Airframe and Powerplant 2670501

Ry Dickerson



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Date: 07 JULY 2025
Tach time: 195.3
Est. Total time: 2107.0
Aircraft Model: Piper PA28-140
#1 Engine Model: Lyc O-360-A4P
Engine total time: Unknown
#1 Prop Model: 76EM8-0-60
Prop Total time: 195.3

Reg. Number: N55064
Hobbs time: 213.9
Work Order Number: B001347
Serial Number: 28-7325317
Serial Number: L-16220-36Ac
Engine TSO: 195.3
Serial Number: 107019K
Prop TSO: N/A

- Installed new Brackett air filter element BA-3.
- Installed new #1 and #3 CHT probes, part number 100404-000.
- Installed new gasket at #2 intake flange.
- AD2024-21-02 does not apply due to rod bushing part number and assembly date.
- Opened cowling. Drained oil, removed cut and inspected oil filter, no defects noted. Serviced engine with Phillips 20w50 X/C oil. Performed compression check: 1) 76/80, 2) 77/80, 3) 78/80 and 4) 77/80. Visually inspected intake and exhaust systems. Inspected engine mount and engine controls. Visually inspected engine accessories. Checked AD status through biweekly 2025-13. **I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.**

Ryan Dickerson
Airframe and Powerplant 2670501 IA

Ry Dickerson



21 Creative Pl. Montrose, CO 81401
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Date: 21 May 2026
Tach time: 222.0
Est. Total time: 2133.7
Aircraft Model: Piper PA28-140
#1 Engine Model: Lyc O-360-A4P
Engine total time: Unknown
#1 Prop Model: 76EM8-0-60
Prop Total time: 222.0

Reg. Number: N55064
Hobbs time: 242.4
Work Order Number: B001368
Serial Number: 28-7325317
Serial Number: L-16220-36Ac
Engine TSO: 222.0
Serial Number: 107019K
Prop TSO: N/A

- Installed new Brackett air filter element BA-3.
- AD2026-04-11 does not apply due to rod bushing part number and assembly date.
- Opened cowling. Drained oil, removed cut and inspected oil filter, no defects noted. Serviced engine with Phillips 20w50 X/C oil. Performed compression check: 1) 78/80, 2) 77/80, 3) 75/80 and 4) 74/80. Visually inspected intake and exhaust systems. Inspected engine mount and engine controls. Visually inspected engine accessories. Checked AD status through biweekly 2026-10. **I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in airworthy condition.**

Ryan Dickerson
Airframe and Powerplant 2670501 IA

Ry Dickerson