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Engine Make: Lycoming Model: O-320-A2B (SE00252SE)
 Serial Number: RL-49641-27A W/O No: W062954 Date: 10 Sep 2025
 Warranty Number: 125261 Warranty Start Date: Sep 2025
 Crankshaft Serial No: N21BFA5004046#013 Cylinder Part Number: 16A30080-02

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: 3002.9 Hrs.

This engine meets requirements of SI1009BE for 2000 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:	NA	NA	Vac Pump:	NA	NA
R/H Mag:	4370	25050437	Wastegate:	NA	NA
Fuel Pump:	NA	NA	Alt/Gen:	NA	NA
Inj/Carb:	10-3678-32	MS1KGD10	Pop Off:	NA	NA
Man Valve:	NA	NA	Controller:	NA	NA
Starter:	NA	NA	VAPC:	NA	NA
Turbo:	NA	NA	Fuel Limiter:	NA	NA
Prop Gov:	NA	NA	Tach Gen:	NA	NA

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: 08258693-035	#5: NA
#2: 15258702-060	#6: NA
#3: 15258702-061	#7: NA
#4: 15258702-069	#8: NA

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

Lycoming O-320-A2B

Airworthiness Directives
Compliance Report

Date: 9/11/2025	Tail #:	Hours: 3002.9 TTE
Engine: Lycoming O-320-A2B	S/N: RL-49641-27A	

Engine: Lycoming O-320-A2B

AD# Eff Date Subject Category	Date/Hours at Compliance	Method of Compliance	Rec	Date/Hours Next Due	Signature and Number
55-07-02 02/28/55 Engine	Accessory Drive Adapter Gasket 10 SEP 2025 3002.9 TTE	N/A by engine serial number.			Tory Nicholson WS9R575J TN
59-10-07 07/01/59 Engine	Cylinder Baffle Clamps 10 SEP 2025 3002.9 TTE	Installed baffle retainers and hooks.			Tory Nicholson WS9R575J TN
63-23-02 12/09/63 Engine	Exhaust Valves and Valve Guides 10 SEP 2025 3002.9 TTE	Installed new Lycoming cylinders.	Yes	N/A	Tory Nicholson WS9R575J TN
64-16-05 07/10/64 Engine	Oil Seal Failure in AC Fuel Pumps 10 SEP 2025 3002.9 TTE	Fuel pump not installed on this engine.			Tory Nicholson WS9R575J TN
66-20-04 08/27/66 Engine	Oil Filter Adapter Gasket 10 SEP 2025 3002.9 TTE	Gasket P/N: 74904 not installed on this engine.			Tory Nicholson WS9R575J TN
73-23-01 01/13/77 Engine	Piston Pin Cracks From Grinding 10 SEP 2025 3002.9 TTE	Installed new piston pins P/N: LW-14078.			Tory Nicholson WS9R575J TN
75-08-09 08/18/77 Engine	Oil Pump Drive Shaft and Impeller 10 SEP 2025 3002.9 TTE	N/A by engine serial number.			Tory Nicholson WS9R575J TN
87-10-06 R1 09/01/89 Engine	Rocker Arm Assembly 10 SEP 2025 3002.9 TTE	Installed rocker arms P/N: 69444 & 74636.			Tory Nicholson WS9R575J TN
90-04-06 R1 05/28/91 Engine	Propeller Governor External Oil Line 10 SEP 2025 3002.9 TTE	Propeller governor external oil line not installed on this engine.			Tory Nicholson WS9R575J TN
92-12-05 07/10/92 Engine	Piston Pin Failure 10 SEP 2025 3002.9 TTE	Installed new piston pins P/N: LW-14078.			Tory Nicholson WS9R575J TN
93-11-11 06/21/93 Engine	Diaphragm Fuel Pumps Overhauled (by AAJ) - Remove Affected Pump and Replace 10 SEP 2025 3002.9 TTE	Fuel pump not installed on this engine.			Tory Nicholson WS9R575J TN
95-26-02 01/24/96 Engine	Detonation Due To Low Octane 10 SEP 2025 3002.9 TTE	Engine inspected during overhaul.			Tory Nicholson WS9R575J TN
96-09-10 07/15/96 Engine	Oil Pump Impeller Failure 10 SEP 2025 3002.9 TTE	Installed new impeller kit P/N: SL18109A-S.			Tory Nicholson WS9R575J TN
97-15-11 08/12/97 Engine	Piston Pin Failure 10 SEP 2025 3002.9 TTE	Installed new piston pins P/N: LW-14078.			Tory Nicholson WS9R575J TN
98-02-08 03/30/98 Engine	Crankshaft Corrosion Pits 10 SEP 2025 3002.9 TTE	Installed new crankshaft marked "PID". This constitutes terminating action to the inspection requirements of this AD.	Yes	Terminating action completed.	Tory Nicholson WS9R575J TN
98-17-11 10/19/98 Engine	Crankshafts Installed by Nelson Balancing Service 10 SEP 2025 3002.9 TTE	Installed new crankshaft.			Tory Nicholson WS9R575J TN
2004-10-14 06/25/04 Engine	Crankshaft Gear Retaining Bolt 10 SEP 2025 3002.9 TTE	Installed new crankshaft. Installed a new bolt and lockplate, in accordance with steps 6 and 7 of Lycoming MSB No. 475C, dated January 30, 2003. Final bolt torque: 204 in.lb.	Yes	During overhaul, after a propeller strike, or whenever crankshaft gear removal is required.	Tory Nicholson WS9R575J TN
2006-12-07 07/11/06 Engine	ECI Cylinder Assemblies 10 SEP 2025 3002.9 TTE	ECI cylinders not installed.			Tory Nicholson WS9R575J TN
2007-04-19 R1 05/07/07 Engine	Superior Air Parts Cylinder Assemblies 10 SEP 2025 3002.9 TTE	SAP cylinders not installed.			Tory Nicholson WS9R575J TN
2009-26-12 02/04/10 Engine	ECI Cracked Cylinder Assemblies 10 SEP 2025 3002.9 TTE	ECI cylinders not installed.	Yes	N/A	Tory Nicholson WS9R575J TN
2017-16-11 08/15/17 Engine	Connecting Rod Failure 10 SEP 2025 3002.9 TTE	Overhauled the connecting rods with new bushings P/N: 01K28983.			Tory Nicholson WS9R575J TN

2024-21-02 12/05/24 Engine	Connecting Rod Failure	10 SEP 2025 3002.9 TTE	Overhauled the connecting rods with new bushings P/N: 01K28983. This terminates the repetitive inspection required by paragraph (g)(1) of this AD.	Yes* (Terminating Action)	Terminating action completed.	Tory Nicholson WS9R575J TN
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DATE

TACH OR
RECORDING
METER
TIMEDESCRIPTION OF WORK PERFORMED –
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Page No. _____

10/7/25 N2887P TACH 620.9 ETT 3002.9 TSMOH 0.0

- 1) Installed this engine on N2887P after overhaul by Western Skyways, CRS WS9R575J, detail under work order 62954.
- 2) Installation done using new SL71032 bushings, all new fuel and oil hoses, and a new oil cooler.
- 3) Rigged engine controls.
- 4) Serviced with 8 quarts Aeroshell 100 mineral oil. Primed oil system.
- 5) Performed ground run leak checks and adjustments.
- 6) Researched ADs, all current applicable ADs complied with at overhaul. See log book.

This engine has been inspected using an annual checklist and found to be airworthy at this time.

Nathan Messenger AP26531471A

