

PREMIER AIRCRAFT



ENGINE MAINTENANCE RECORDS

Aircraft Registration: _____

Engine Position: _____

Log Book Number: _____

Records Dated From: _____ **To:** _____

Detailing Total Time From: _____ **To:** _____ **Hours**

PREMIER AIRCRAFT

ENGINE MAINTENANCE RECORDS

Engine Manufacturer: Lycoming

Model: O-320-H2AD

Serial No: L-6735-76T

Recommended TBO: _____ Hours _____ Years

Aircraft Registration No: _____

Date Installed on Aircraft: _____

If used on multi-engine aircraft: ☐ Left ☐ Right ☐ Front ☐ Rear

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Manufacturer Lycoming
Model O-320-H2AD
Serial Number L-6735-76T

Date 23 May 2025
WO Number 15709

Crankcase was repaired by Divco. Crankshaft was ground M03 mains and rods by Aircraft Specialties. Overhauled the connecting rods. Inspected the camshaft gear, oil pump drive gear, oil pump shaft and nut, LW14078 piston pins, and 72198 piston pin plugs - no defects noted. Installed a new crankshaft gear. Installed a new camshaft. Overhauled the cylinders to P10 specifications. Assembled the bottom end, installed the cylinder assemblies and torqued. Inspected the rocker arms and fulcrums. Inspected and painted the pushrod tubes. The flange bushings have been changed to five 72067-S in locations B, C, D, E, and F, and one 72066-S in location A. Flange bushings take a 3/8" bolt and are 1 02" long. See following list of parts installed. Work was done in accordance with Lycoming Manual 60294-9, Revision 2, dated June 1996, Table of Limits SSP-1776-5, dated 13 Apr 2020, and the owner's specifications.

This engine is for experimental use only.

Airworthiness Directives

Engine	AD Note	Amend #	Dated	R	Subject
	78-12-09	39-3414	20 Feb 1979	N	Crankshaft gear
	80-04-03R2	39-5893	25 Apr 1988	Y	Flight hazards
	80-14-07	3826	07 Jul 1980	N	Spring seats
	92-12-05	39-8265	10 Jul 1992	N	Piston pin
	95-26-02	39-9460	24 Jan 1996	N	Detonation
	97-15-11	39-10085	12 Aug 1997	N	Piston pins
	98-02-08	39-10291	30 Mar 1998	Y	Crankshaft corrosion

Compliance

Inspected. Not applicable by engine serial number. A bolt on gear is installed.

Inspected the valve spring seats only. Lycoming oil additive, LW16702 must be added to the oil when the engine is placed into service.

AD Note requires usage of the oil additive and inspection for metal at the times specified in the AD Note.

Inspected the spring seats. Not applicable by part number.

Inspected. Not applicable by piston pin part number.

Inspected. Not applicable by aircraft registration number.

Inspected. Not applicable by piston pin part number.

Aircraft Specialties Inspected the ID for corrosion. Removed all corrosion in accordance with SB 505B. Magnetic particle and visually inspected in accordance with SB 505B - no defects noted. Painted ID with Urethabond 104 paint and stamped the letters PID on the flange in accordance with SB 530B.

No further action required by this AD Note.

Inspected in accordance with paragraph (a) (1) & (2). Nelson did not repair this crankshaft.

Inspected. Not applicable by cylinder manufacturer.

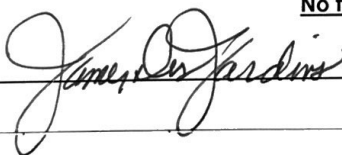
Inspected. Not applicable by bushing part number. Installed 01K28983 bushings.

Inspected in accordance with paragraph (c). Not applicable by bushing part number. 01K28983 installed.

No further action required by this AD Note.

Date: 23 May 2025

James DesJardins



A&P 2792363

List of Parts for Work Order No.: 15709

Qty Part Number / Description

4.0	01K28983 / Connecting Rod Bushing
8.0	31C12 / Stud
8.0	60009 / Valve Keeper
8.0	MS13997-3 / Valve Keeper
4.0	SL15357P010 / Piston
4.0	SL19001A / Exhaust Valve
4.0	SL3601SCP10 / Ring Set
4.0	SL61681AP10 / Valve Guide
4.0	SL74230AP10 / Valve Guide
8.0	LW12186 / Rod Nut
1.0	LW14815 / Gasket Set
1.0	LW15013-INSP / Inspected Camshaft Gear

Qty Part Number / Description

1.0	LW15263-INSP / Inspected Oil Pump Drive Gear
1.0	LW15949 / Crankshaft Gear
8.0	SL14105AM03 / Main Bearing
1.0	SL16511 / Camshaft
	S/N: 160/168
8.0	SL61662AM03 / Connecting Rod Bearing
8.0	SL78027 / Rod Bolt
1.0	STD2057 / Woodruff Key
2.0	STD2155 / Bolt
1.0	STD2169 / Roll Pin
4.0	STD703 / Bolt

