



ENGINE LOG

ASA-55-2

Engine Record General Information

Manufacturer Lycamig Model 10-540-EXP

Serial L-7145-40 Type Certificate _____

This engine is currently installed in aircraft: EXPERIMENTAL BERKUT 540

Minimum Octane Fuel 100 LL Oil Grade Summer 100W Winter _____

Magneto Time 20° Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

Registered Owner Record

Name JOHN R. SAPP

Address

City SILVERTHORNE State CO

From 2001 To

Name VIJAY PISINI

Address

City CEDAR RAPIDS State IA

From May 2023 To

Name

Address

City State

From To

Name

Address

City State

From To

Name

Address

City State

From To

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City State

From To

Lycoming was contacted on May 12, 2017, regarding this engine with Serial Number L-7145-40. This is a summary of what they know about this engine.

- It was delivered from the factory in 1963.
- It was in the factory in 1968 for some repairs.
- It came out of the factory with the designation of O540-B4B5.

Between 1968 and 2001 not much is known about the engine.

In 2001 it was delivered from Performance Aero Engines to John Sapp.

The engine carries a new designation of IO540-EXP. The first entry in the logbook indicates that PAE performed a Stage III engine overhaul. PAE states in the logbook entry that other pertinent data is on file at PAE.

Performance Aero Engines [REDACTED]

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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PERFORMANCE AERO ENGINES

00.00 SMOH

Stage III engine overhaul IO-540-EXP, serial # L-7145-40. Disassemble, clean, NDT & dimensionally inspect. Align bore crankcases. Micropolish crankshaft M03/M03. Bush blades & counterweights. Modify crank gear per SB475, torque 204 in lbs, safety. Bush & bore connecting rods for center to center. Install new camshaft & lifters. Install 6 new Lycoming cylinder kits. Port, polish & flow heads on SF600 flow bench. Install 10:1 forged pistons. Bush, size & ratio rocker arms. Complete engine blueprinted & balanced dynamically. Paint engine, alodine alloy parts, cad plate hardware. Following accessories included: Plasma II dual electronic ignition system, wire harness, 12 spark plugs, rebuilt fuel servo, rebuilt flow divider, 6 new .028 nozzles, fuel pump, B&C 60 AMP alternator, B&C standby alternator, Sky-Tec high torque starter, B&C 45 degree filter adapter. Assemble engine complete. Other pertinent data on file at:

PERFORMANCE AERO ENGINES, INC.

Work Order #2353 Date: 7/19/01

Signed

Alterations
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ecific entries.)

ally inspect.
y crank gear
v camshaft &
tall 10:1
ally. Paint
ctronic
zzles, fuel
gree filter

YEAR 2023 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.)
3/17	.1	N/A	.1	UPON SECOND RUN OF THE ENGINE, THE PROPELLER WOULD NOT CYCLE (RPM CHANGE). REMOVED THE PROPELLER AND DISCOVERED THE PLUG (LYC. AN 74610) AT THE REAR OF THE BORE OF THE CRANKSHAFT WAS NOT INSTALLED. NOTE: AT ENGINE OVERHAUL BY PERFORMANCE AERO ENGINES, IT WAS CONFIGURED FOR A CONSTANT-SPEED PROP AND THIS PLUG WAS NOT REQUIRED. INSTALLED PLUG 74610 PER LYCOMING OVERHAUL MANUAL (REF. 7-63). RE- INSTALLED THE PROPELLER. ALL WORK DONE IN ACCORDANCE WITH LYCOMING INSTRUCTIONS AND PER EA-AC 43.13 LATEST. [REDACTED] R.L. HARTMAN JR. A&P [REDACTED]

YEAR 2023	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.)
6/28	5.4	N/A		Moved the fuel flow sensor and manifold pressure sensor from on top of the engine (hot area) to cooler area (below the engine).
6/29	5.8	N/A		Drained the oil and replenished with 9 qt of Phillips SAE 20W-50 Type M (mineral oil). Run up OK and no leaks. Oil filter change is not necessary.
				VISAY PISINI owner