

YEAR 20____ 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.)

N313RB PA32RT-300T S/N:32-7887157

Hobs: 1146.0 DATE: 05/11/2024

ENGINE TIO-540-S1AD S/N: L9384-61A ETSOH: 0.0

- Installed Engine after overhaul by Jewell Aviation.
- Filled with 10 Qt of AeroShell W100 mineral oil.
- C/W Engine runs and leak check .

Engine is approved for return to service for work performed.

Jerred Crane

A&P 3594877

Jerred Crane

Jewell Aviation Inc.

418 Airport Rd.
P.O. Box 623
Kennett, MO 63857
573-888-5846
www.jewellaviation.com

Make:	Textron Lycoming
Model:	TIO-540-S1AD
Serial#	L-9384-51A
Date:	4/12/2024
Tach Time:	
SMOH:	00.0

On this date received engine for overhaul. Completely disassembled and cleaned all parts in accordance with Lycoming Overhaul Manual 60294-7. All aluminum parts were dye checked and all steel parts magnafluxed. All parts were dimensionally inspected in accordance with Lycoming table of limits SSP-1776. Counterweight assemblies certified by Aircraft Specialties were installed. Installed the following new parts in accordance with SB240W: Connecting rod and main bearings, crankshaft counterweight bushings, rollers, snap rings and plates, crankshaft gear bolt and lockplate, camshaft, lifter tappet bodies, oil pressure spring, magneto cushions, connecting rod bolts and nuts, thermostatic bypass valve, oil pump gears and housing assembly, all stress bolts and fasteners, drain hoses, seals, gaskets, circlips, lock plates and retaining rings. The cylinders were cleaned and inspected and were found to be in serviceable limits. The cylinder barrels were honed and the valve seats were ground. The cylinders were assembled with new valves, valve guides, rocker shafts, pistons and rings, valve keys, and piston pins. The engine was assembled using new keepers, snap rings, seals, gaskets, hoses, etc... I/A/W SB240W. Complied with the following AD's: 2002-12-07 Oil Filter Plate, 2003-14-03 Fuel Pump; 2004-05-24C Crankshaft Gear Bolt; 2005-12-06 Impulse Coupling, 2015-19-07 Fuel Injection; 2017-16-11 Connecting Rod(N/A). Fuel Injection Servo, Flow Divider and Fuel Pump were overhauled by D&G Supply. Turbocharger and PRV overhauled by Main Turbo. Prop Governor overhauled by SW Aero. All 8130-3 forms for this overhaul are in an envelope with this engine serial# and date. Engine overhaul will be complete after test run in accordance with SI1427B and Overhaul Manual 60294-7. Use Phillips XC20W50 for break in period.

David Jewell A6P3036572

YEAR
20
DATE

Alpha Aviation Mission Outreach Center Inc.
P.O. Box 1622 / Davis Field Airport. Muskogee, OK 74403
(479)856-5000

07-01-2023	N313RB	Model	S/N:	Tach	TT	TSOH	
Aircraft	Piper	PA32RT-300T	32-7887157	3621.7	3621.7		
Engine	LYC	TIO-540-S1AD	L-9384-61A	3621.7	2656.2	1687.6	Installed 4-4-97

1. Inspect engine in accordance with an ANNUAL inspection.
2. Compression's 70, 75, 76, 74, 76, 73/80.
3. Drain engine oil, open and inspect oil filter, found normal.
4. Install new CH481103 engine oil filter and 10 qts Phillips X/C 20W 50.
5. Run up complete, operation normal, no leaks.

This ENGINE has been inspected in accordance with an ANNUAL inspection and found to be in airworthy condition.

Signature: JRBa

J R Baumann AP 2583021 IA

N313RB PA32RT-300T Hobs: 1146.0 DATE: 01/14/2024
ENGINE S/N L-9384-61A ETSOH: 1693.4

Removed engine for overhaul by Jewell Aviation.

Jerred Crane

A&P 3594877

Jerred Crane