



AMERICAN LEGEND AIRCRAFT SERVICES  
1810 Piper Lane – Sulphur Springs, TX 75482 USA  
Phone: 903-885-7000

**Aviat Aircraft A1A (9/1998)**  
**Reg. Number: N111XJ**  
**Serial Number: 1429**

**Date: June 24, 2024**  
**Aircraft Total Time: 848.0**

**Engine: Lycoming O-360-A1P**  
**Serial Number: L-36241-36A**

**Engine SMOH: 0.00**  
**Engine TT (new): 848**

**Propeller: MT Propeller MTV-15-B/210-58-U**  
**Serial Number: AN1429**

**SPOH: 0.0 (Factory Overhaul)**

**Engine removed from aircraft for overhaul. Engine disassemble – The following engine components and parts cleaned, inspected, and sent out for repair-overhaul:**

1. Steel components/parts sent to Aircraft Specialties Services FAA Repair Station No. DD2R764K for inspection and overhaul. (8) 72877 Lifters, ASI-198548, W/O 280708, (8) Hydraulic Units, P/N 15B26066, ASI-198548, W/O 280708, Lycoming O-360 Subassembly Crankshaft, serial number V53793558 (Rod Journals Ground M003, Main Journals Ground M006), ASI-145879, W/O 263918-1, (1) Camshaft P/N: LW12312, ASI-198545, W/O 280708, (8) Rocker Arm O-360 Subassemblies, ASI-198549, W/O 280708, (6) Gears, ASI-198550, W/O 280708, (1) Gear, P/N 13S19646, ASI-198544, W/O: 280708 (4) Rods P/N LW11750, W/O: S280708-4
2. Carburetor – Part No.10-6054, Serial Number: 75080211, overhauled by Aircraft Carburetor and Injection Services of Texas, FAA CRS 10FR546Y. W/O 10057.
3. Crankcase and Accessory inspected and repaired by Crankcase Services Inc. FAA CRS H1HR0960. Lyc. O-360 Crankcase, Part Number: C/N2006R/L, Serial Number: K0132, Tracking No.: CSI-38122, W/O 38122, Accessory Case, S/N 281090-R.
4. Magnetos sent to Aircraft Ignition Services LLC for overhaul. Work Order 7240, Slick – Model: 4373, Serial Number: 06030611, Work Order 7241 - Slick – Model: 4370, Serial Number: 11060436.
5. Cylinder Assemblies (4) NEW Superior Air Parts PQ0060SW Millenniums – Part Number SL36006W-A20P, Serial Number(s) 366W000014953, 366W000014957, 366W000014959, 366W000014968. All Cylinders Kits installed, and ring set gaps set per Superior Service Letter Number: L04-01 A, Date: 6/17/2004, Lycoming engines with choked cylinder bores.
6. Following part NEW from Superior Air Parts, Inc. (1) SL75439-1 Gasket Set Major Overhaul-360, (1) SL18639 Lock plate, (1) SL31H-0.88 Bolt, on crank gear (2) 2-pack, Bearing, Crankshaft SL16711A M006, (2) 4-pack SL:13521A M003 Bearing Connecting Rod, (2) 4-pack SL75061 Bolt, Rod, (2) 4-pack SL12186 Nut-Hex, (4) SL13444-1 Piston Pin Assemblies, (1) SL78531 Housing, (1) SL18109A-S Oil Pump Impeller Kit, (1) SL61174A Shaft, Oil Pump, (3)(3) STD-1420, STD-35 Nuts/Washers used on oil pump, (1) SL1028-B Ball, Oil Pressure, (1) SL61084 Spring, Oil Pressure, (3) SL-STD-2167 5/16-18 Bolt & (1) SL-STD-2168 Nut – used on mag Idler gear shafts, (1) SL73250 Washer, Thrust, (16) SL383-B Nut, Cylinder Hold Down 3/8-24, (18) SL-STD-2090 Nut, Cylinder Hold Down 1/2-20, (4) SL76220 Bolt, Thru Crankcase, (2) AN6-34A Bolts, (2) 4-pack SL69603 Hoses, (4) SL-STD-1821 Hose, 3/8 ID x 2 1/2 Long, (2) SL-STD-2213 Screw. Tracking and FAA Form 8130-3, Sales Order: SO-00025216, SO-00025956
7. Following parts NEW from (Aviall) Boeing Dist. Inc. (3) LW-25S1.50 Bolt, 1/4-20, (3) STD-2249 Nut, (8) LW-25-1.50 Bolt, (1) LW-25-1.75 Bolt, 1/4-20 x 1-3/4, (4) LW-25-1.13 Bolt, 1/4-20 x1-1/8, (20) STD-8 Washers, (9) STD-1411 Nut, (1) STD-872 Nut.

Clean/Paint Strip engine baffling. Installed new baffle seals. Cleaned and repainted the engine bay and engine mount. Installed engine back into aircraft with new AN Hardware, Adel clamps, Scat Tubing, and clamps. Serviced engine with 7 quarts Aeroshell 100 Mineral Oil. Pre-oiled engine and checked for leaks.

Following Manuals/Documents was used for engine overhaul, engine assembly, installation, and operation settings:

- Lycoming Parts Manual, PC-306-1, Revision June 2011.
- Lycoming Service Table of Limits and Torque Value, Manual SSP-1776-5, April 2020
- Lycoming Overhaul Manual, 60294-7-14 July 2011

FAA AD's compliance: Checked thru 2024-12, 06/03/2024 – 06/16/2024. AD compliance list updated in aircraft records (See AD Compliance Report). All recurring found current by date or time limits and/or not applicable by model or serial number of engine.

I certify that this aircraft has been inspected in accordance with an 100HR. inspection and was determined to be in airworthy condition.

Darin R. Hart AP3488815IA  
Chief Inspector  
American Legend Aircraft Services