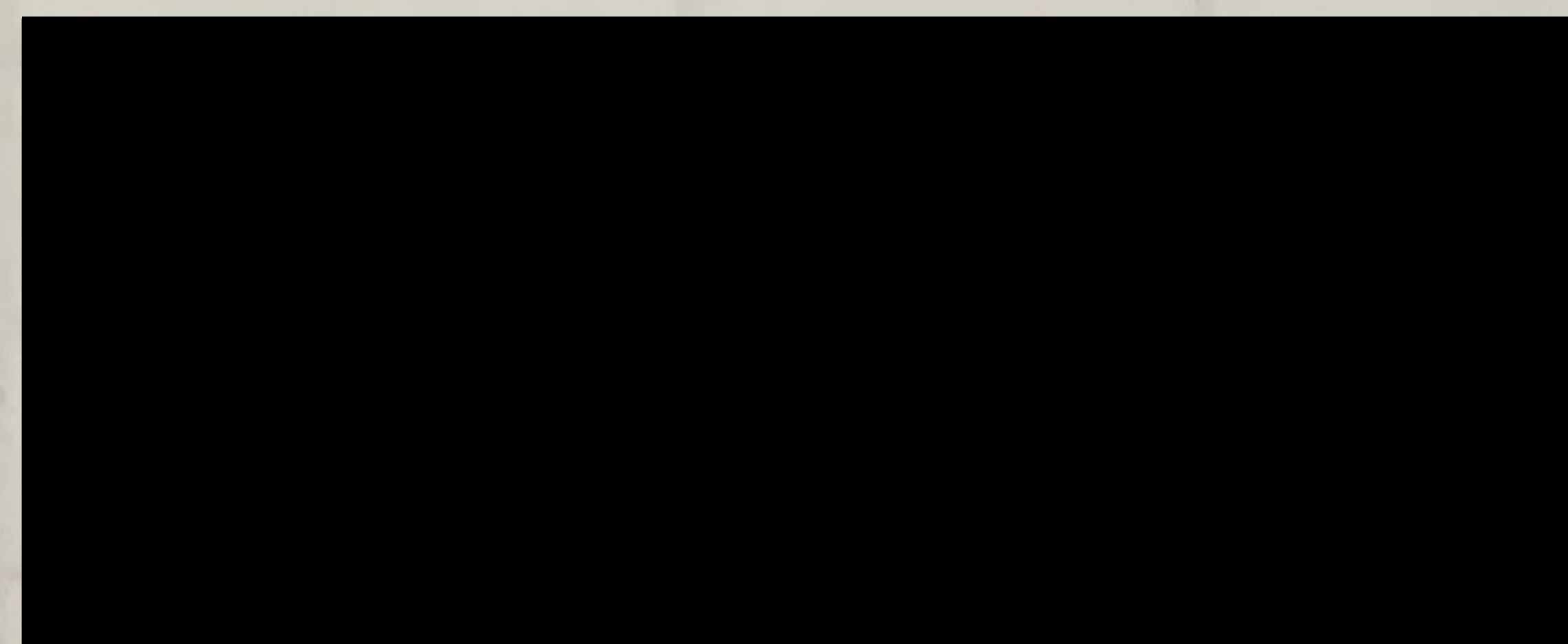


YEAR

DATE

Jewell Aviation Inc.



|            |                  |
|------------|------------------|
| Make:      | Textron Lycoming |
| Model:     | LTIO-540-J2BD    |
| Serial#    | L-2462-68A       |
| Date:      | 3/20/2019        |
| 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, see form 8130-3. Crankcase was repaired by CSI, see 8130-3. 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, certified camshaft Lw19173, lifter tappets 15B26262 and plunger assemblies, oil pressure spring and ball, magneto cushions, connecting rod bolts and nuts, thermostatic bypass valve, all stress bolts and fasteners, drain hoses, seals, gaskets, circlips, lock plates and retaining rings.

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The cylinders were replaced with channel chrome stud assemblies from ACA/Gibson. 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... Complied with the following AD's: 2004-05-24C dated 3/30/2004 Crankshaft Gear, 2012-19-01 Crankshaft N/A Serial#, 2015-02-07 Governor Shaft Set Screw, 2015-19-07 Fuel Injection Lines, 2017-19-07 Connecting Rod N/A. No accessories repaired or replaced this date. Overhauled this engine in accordance with Lycoming Overhaul Manual 60294-7. Engine overhaul will be complete after test run in accordance with SI1427B and Overhaul Manual 60294-7. Use Aero Shell 100 non-detergent oil or Phillips XC20W-50 for break in period. After break in period use Aeroshell 100W Plus or 15W50 Oil.

[REDACTED] AOP [REDACTED]

Date: 10/01/20 Time: 5480.1 SMOH: 0.0 TT: 6763.5  
Engine installed on RH position of N3589X using new Barry mounts. Installed overhauled magneto 10-682910-18, sn C249711GR. Installed overhauled ignition harness. Installed overhauled turbo, LW-12463, sn TG0117P. Installed overhauled wastegate, 470818-9003, sn YK034280. Installed overhauled propeller governor, F-6-24LZ, sn E1060T. Installed new hoses from AERO Hose Shop. Installed new vacuum pump, pump. Installed used/serviceable baffling, starter, alternator, fuel system, turbo controller, hydraulic with 12 quarts Phillips 20w50. Engine washed, ground run and adjusted as needed. Inspected fuel injector lines IAW AD15-19-07, due again 5590.1.  
Frank May A&P [REDACTED] IA [REDACTED]