

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
9-18-08			3 HR of Groundrun + Taxi testing - all o.k.
9-18 to 11-2	37	40	Installed BRS in accordance with
			BRS installation instructions.
			Calculated CG location - o.k.
11-4-08	40	40	I certify that the prescribed flight
			test hours have been completed
			and the aircraft is controllable
			throughout its normal range of
			speeds and throughout all maneuvers,
			has no hazardous operating charac-
			teristics and is safe for operation.
			Flight test completed with 180 LBS
			ballast in passenger seat; maximum
			demonstrated airspeed 100 mph,

minimum stall speed 48 mph -
Aircraft in phase II operation (ln. 100)

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
4-23-09	40.95	40.95	Changed engine oil Aendheel 50W " Fuel Filter NAPA 3033 Installed Fuel Flow Transponder F210
5-6-09	48.9	48.9	installed new engine Franklin P2L 23.5-B31 130 HP - same weight and propeller as previous O-200 Phase I Flight Testing
5-10-09	50	50	Ground running + Taxi testing 2660 RPM static Prop is at Max Pitch - 1vo Magnan
5-12-09	53	53	First Flight - 2750 RPM - 1vo Magnan at full pitch Oil temp 180, Oil pressure 50, EGT 700°C cruise at 2100 RPM w/1vo prop
5-19-09	54	54	Changed front seal + taking Oilline
5-20-09	54.4	54.4	installed 70+49.5 wood prop - max RPM 2360

5-22-09

cruise 90 mph indicated @ 1900 RPM
3.9 mps w/Marvel Carb-lean

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
6-6-09	58	58	Changed O.R Filter - 6 Qts of SAE 40
7-8-09	59.1	59.1	20 HR Test period finished -
			I certify that the 20HR test flight
			period has been completed (new
			powerplant) and the aircraft is
			controllable throughout its normal
			speed range and is safe for operation
			with new powerplant. Max demonstrated
			airspeed 120 mph, stall speed 48 mph
			Flight test completed with 180 lbs payload
			seat ballast - no problems
			Aircraft in phase II operation
			July 8, 2009 Cam Locke

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
7-11-09	70.0		added 1 qt 80W40
9-28-09	72.2		I certify that this aircraft has been inspected on 9-28-09 in accordance with the scope and detail of appendix D to par 43 and has been found to be in a condition for safe operation Elms Awrk 3374803 Repairman
3-23-10	92.4	ENGINE 49	Changed Oil 6Q Aeroshell 80W 40SAE Changed Oil Filter Napa 1515
9-29-10	121.2	121.2	Changed Oil 6Q Aeroshell 100W Changed Oil Filter Napa 1515 - Cyt oil filter - no metal found

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
6-29-10	121.2	121.2	I certify that this aircraft has
			been inspected on 9-29-10 in accordance with the scope
			and detail of appendix D to part 43 and has been found
			to be in a condition for safe flight. TT 159.0 Hrs
			Removed wood 2 blade propeller and installed Warp
			Drive 3 blade propeller Total Time 153.4 Hrs adjusted
			angles for 2350 RPM Static. Returned to Phase 1 testing
			for 5 Hrs. I certify the prescribed flight test hours have
			been completed and this aircraft is controllable
			throughout its normal range of speeds and throughout
			all maneuvers to be executed, has no hazardous
			operating characteristics or features, and is safe for
			operation. The flight test was completed under the
			following conditions: maximum operating weight,
			style/set of wing or sail, maximum demonstrated
			airspeed, and minimum demonstrated stall speed. TT

MAR 15 2011

Removed wood 2 blade propeller and installed Warp Drive 3 blade propeller Total Time 153.4 Hrs adjusted angles for 2350 RPM Static. Returned to Phase 1 testing for 5 Hrs. I certify the prescribed flight test hours have been completed and this aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or features, and is safe for operation. The flight test was completed under the following conditions: maximum operating weight, style/set of wing or sail, maximum demonstrated airspeed, and minimum demonstrated stall speed. TT

159.0 Hrs Ernest L Patterson
#218538APP

2011

Date	Recording Tach/ Hour Meter Time	Total Time In Service	Description of work performed
July 17	164A	164.4	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	
 	 	 	

This aircraft N_903XC TT_164.4 has been inspected on this date -07/17/2011- in accordance W/43.13 appendix D. And found to be in a condition for safe operation. By Ernest L Patterson
Ernest L Patterson #_2185138 A & P See detailed conditional inspection report included in aircraft records dated this date for additional data.

ELT Due 7/2013