

Date: 12/28/2016; Aircraft: N135LT; Type: Lancair IV P; S/N: 135; Tach: 1462.70; ^{Engine}Total Time: 0.0 Hrs.

1. Remove engine m/n TSIO-550-B(1) s/n 802056. Installed Continental rebuilt engine m/n TSIO-550-B(1) s/n 1032877 using new engine shock mounts and hardware. Torqued bolts to 400 in. lbs. and safetied lock tabs (shimmed rear shock mounts as per Lancair instructions). Installed new fuel and oil hoses.

Removed both turbocharger and oil drain reservoirs. Flushed and installed modified Lancair drain reservoirs using new gasket. Removed both CMI turbocharger mounting brackets. Installed modified Lancair brackets. Reinstalled baffles, hoses, controls, etc. Installed new fuel and oil hoses. Engine control travels checked good. Modified left rear engine baffle to accommodate the longer oil cooler that was supplied with the engine.

Removed both intercoolers p/n 646462 and installed modified Lancair intercoolers. Removed aft intake pipes p/n 646309 & p/n 646793 and installed modified Lancair pipes. Removed left tail pipe p/n 654329. Installed Lancair modified tail pipe.

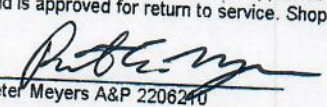
Reinstalled propeller m/n HC-H3YF-2UF s/n JM14B and prop governor. Torqued prop mounting nuts to 70 ft. lbs.

Serviced engine with 12 qts of Phillips 20W50 Mineral oil. Removed lower spark plugs. Drained preservative oil from cylinders and oil sump. Purged preservative from engine fuel system.

2. Complied with engine initial run up and break in IAW TCM M-O Standard Practice Manual Section 7-23. Para 3. 1-5 A-C. No leaks

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-16-3526 for Three Wing Aviation Group.


Peter Meyers A&P 2206240

12/28/2016
date

Date: 8/25/2017; Aircraft: N135LT; Type: Lancair IV P; S/N: 135; Tach: 1485.00; Total Time: 1485.00

Lycoming m/n TSIO-550-B(1); s/n 1032877; TOTAL TIME = 22.3; TSMOH= N/A

I certify that this engine has been inspected in accordance with the scope and detail of appendix D to part 43, and was found to be in a condition for safe operation. Pertinent details are on file at this facility under Shop Order # MA-17-3892.

1. Cylinders compression check: #1-72/80; #2-76/80; #3-73/80; #4- 73/80; #5-76/80; #6-76/80.

2. Changed engine oil and filter. Took engine oil sample for spectrometric analysis. Cut open and visually inspected old filter. Installed new p/n CH48109-1 filter and safetied. Cleaned engine and lubed engine controls. Serviced engine with 12 quarts of Phillips 20W50 XC oil.

3. 11 spark plugs cleaned, gapped, tested, rotated, and reinstalled using new p/n M674 gaskets. Installed new spark plug p/n URH32E in cylinder #4 top position. Cleaned engine ignition wire leads with MEK.

4. Serviced induction air filter. Tightened rocker cover screws and intake clamps.

5. Left magneto timing checked at 22.5° BTDC #1 cylinder. Right magneto timing checked at 22.5° BTDC #1 cylinder.

6. Lubricated engine exhaust and wastegate slipjoints with mousemilk.

7. Adjusted the engine manifold pressure 1/8" turn clockwise Per Continental Motors Manual Section 6-3.10.3 table 6-6. Customer to flight check and advise.

8. Removed and reinstalled both intercoolers. Replaced 6 screws p/n AN525-832R7. Reconnected couplings, tightened clamps, positioned lower heatshields and tightened clamps on coupling at turbochargers. Reconnected sonic nozzle hoses. Tightened clamps. Reconnected aft baffles and resealed with RTV.

9. Stop drilled crack with #30 drill on right turbocharger heatshield and deburred surfaces.

10. Rerouted CHT wire under b-nut and installed stand off along oil drain to secure wire and keep it from further chafing.

11. Ran engine and checked for leaks. No leaks noted. Engine ground operation checked good.

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-17-3892.


Anthony J. DiNuzzo A&P 3466490 IA

8/25/2017
date

Record

removal and
Directives,

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward					
					Date: 7/25/2018; Aircraft: N135LT; Type: Lancair IV P; S/N: 135; Tach: 1527.30 Changed engine oil and filter. Cut open and visually inspected old filter. Installed new filter p/n: CH48109-1 and safetied. Cleaned engine and lubed engine controls. Serviced engine with 12 quarts of Phillips 20W-50 X/C oil. Ran the engine and check for leaks. No leaks noted. Engine ground operation checked good. Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-18-4258. <i>Kyle S. Bork</i> <u>7-25-18</u> Kyle S. Bork A&P IA 3492553 date
					Date: 10/08/2018; Aircraft: N135LT; Type: Lancair IV P; S/N: 135; Tach: 1529.30; Total Time: 1529.30 m/n TSIO-550 B1B; s/n 1032877; TOTAL TIME = 66.6; TSMOH= N/A I certify that this engine has been inspected in accordance with an ANNUAL CONDITIONAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Pertinent details are on file at this facility under Shop Order # MA-18-4300. 1. Engine cylinder compression check: #1-70/80; #2-64/80; #3-66/80; #4-62/80; #5-66/80; #6-62/80. Min passing is 46/80 using the calibrated orifice. 2. All spark plugs cleaned, gapped, tested, rotated, and reinstalled using new p/n M674 gaskets. 3. Changed engine oil and filter. Took engine oil sample for spectrometric analysis. Cut open and visually inspected old filter. Installed new p/n CH48109-1 filter and safetied. Cleaned engine and lubed engine controls. Serviced engine with 12 quarts of PHilips 20W50 X/C oil. 4. Left magneto timing checked at 24° BTDC #1 cylinder. Right magneto timing checked at 24° BTDC #1 cylinder. 5. Removed right aft baffle lower mounting bracket. Removed nut plate from the old bracket and installed on the new bracket p/n 2855101-38. 6. Installed new left rudder cable p/n RDC-18 into the cable housing. Attached the cable to existing cable eye end using thimble p/n AN100-4 and copper sleeve p/n MS51844-44 . Supported cabin vent duct that was chafing using Koroseal to clear the new rudder cable. 7. Lubricated engine exhaust system slip joints and wastegate with mouse milk. 8. Ran engine and checked for leaks. No leaks noted. Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-18-4300. <i>Kyle S. Bork</i> <u>10/8/18</u> Kyle S. Bork A&P IA 3492553 date



Continental Motors

Engine Component Information Sheet

Printed: 10/04/2016

Serial: 1032877
Spec: TSI0550B1B
New/Rebuilt: (REBUILT)

Assembled: 09/28/2016
Shipped: / /
Packed: 10/04/2016

Customer Name: THREE WING AVIATION, LLC

Shipping Address: 400 GREAT MEADOW ROAD

Component	Serial Number	Component	Serial Number
CAMSHAFT	Z04AA497	L. TURBO	H-SEL00036
CRANKSHAFT	N16FA096	R. TURBO	H-TFL00017
CRANKCASE	R16GA093	CONTROLLER	H-TAO00127
CONNROD	AE16GA500	WASTEGATE	H-TBO00149
CONNROD	AE16FA628	OIL COOLER	G16-13843-5
CONNROD	AE16GA548	CYLINDER-1	AC16GB268
CONNROD	AE16FA627	CYLINDER - 2	AC16FB197
CONNROD	AE16GA495	CYLINDER - 3	AC16FB233
CONNROD	AE16GA541	CYLINDER - 4	AC16FB172
L MAGNETO	D16DA532R	CYLINDER - 5	AC16GB233
R MAGNETO	D16GA256R	CYLINDER - 6	AC16GB255
FUEL PUMP	B16HA230R	NOZZLE - 1	1520
MANIFOLD VALVE	C16HA156R	NOZZLE - 2	2520
METERING UNIT	A16HA161R	NOZZLE - 3	3520
STARTER	H-T-131601	NOZZLE - 4	4520
ALTERNATOR	O16GA075R	NOZZLE - 5	5520
NOZZLE - 6	6520		

Pack Inspection Stamp *JC*

All of the information provided herein is subject to verification by the user. Continental Motors, Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.