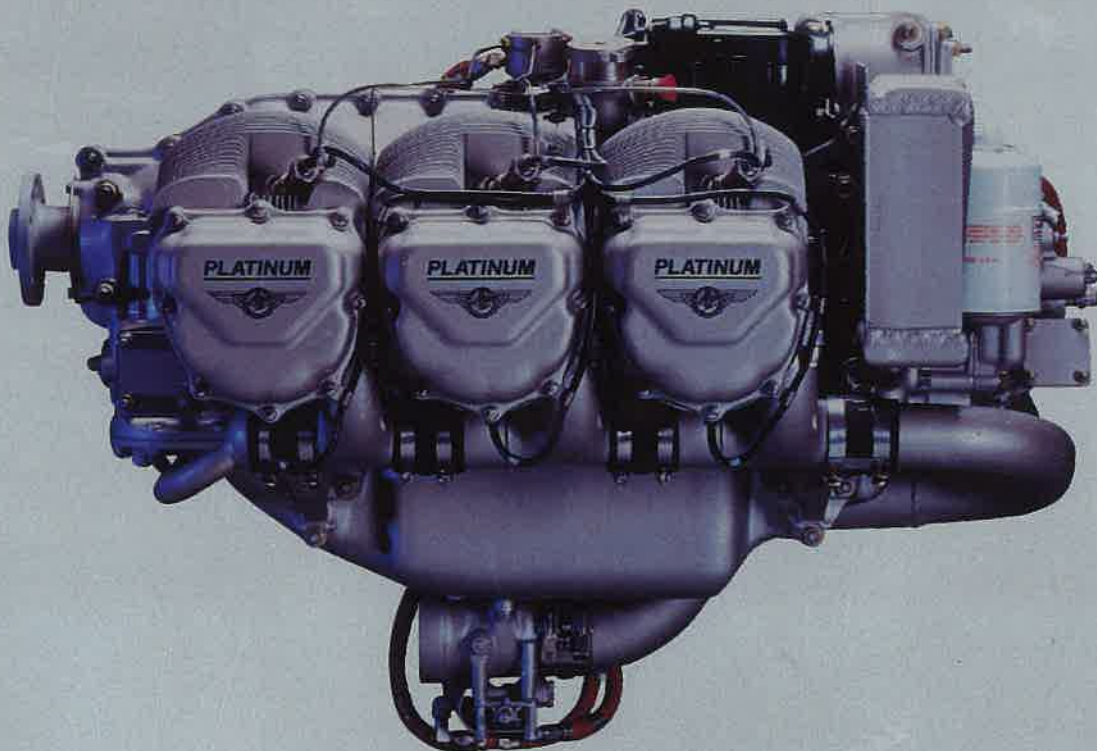


PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 02/25/2005

This engine model **TSI0550C7**, Serial No. **914322** was manufactured on **02/23/2005** by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY


PRODUCTION CERTIFICATE NO. 503

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
3-05-05	0	0	0	0	<div><p>This engine S/N 914322 installed in N2730P LC41-550FG S/N 41071 <u>Francie Miles</u> For The Lanair Company</p></div>

Henry Weber Aircraft Distributors, Inc.
Maintenance Release

N2730P
41071

4-21-2005 **Engine Logbook** Hobbs: 25.3

Drained oil, removed filter. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon 100 mineral oil. Engine ground run. Op's and leak checked—okay.

The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under

Order No: 13842 A & P: 86583416

Inspector: Murray S. Fuller Date: 4-21-2005

500-B Airport Road, Lancaster Airport, Lititz, PA 17543

Henry Weber Aircraft Distributors, Inc.
Maintenance Release

N2730P
41010

May 24, 2005 **Engine Logbook** Hobbs 55.6

Drained oil, removed filter. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Phillips 20W50M. Engine ground run. Op's and leak checked—okay. —END—

The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under


Order No: 13870 A & P: 86583416

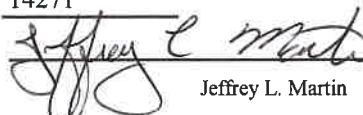


Inspector: Murray S. Fuller Date: May 24, 2005

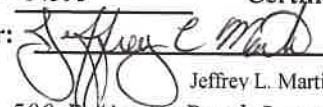

500-B Airport Road, Lancaster Airport, Lititz, PA 17543



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
Henry Weber Aircraft Distributors, Inc. N2730P Maintenance Release 41010					
Nov. 15, 2005 Engine Logbook Hobbs: 218.9					
Complied with Service Bulletin SB-05-012 "Throttle Lever". No defects noted. Installed new Oil Pressure Transducer P/N P165-100G-E4A S/N B0805-015. Op's and leak checked okay on engine ground run. —END—					
The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under					
Order No: 14005 A & P: 181483518 Inspector: Jeffrey L. Martin Date: Nov. 15, 2005 500-B Airport Road, Lancaster Airport, Lititz, PA 17543					
Henry Weber Aircraft Distributors, Inc. N2730P Maintenance Release 914322					
Dec. 21, 2005 Engine Logbook Hobbs 263.6					
Drained oil, removed filter. Took sample. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon Elite 20W50. Engine ground run. Op's and leak checked—okay. —END—					
The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under					
Order No: 14026 A & P: 86583416 Inspector: Murray S. Fuller Date: Dec. 21, 2005 500-B Airport Road, Lancaster Airport, Lititz, PA 17543					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
Henry Weber Aircraft Distributors, Inc. N2730P Maintenance Release Eng. SN 914322					
April 7, 2006 Engine Logbook Hobbs: 335.4					
Drained oil, removed filter. Took sample. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon Elite 20W50 oil. Engine ground run. Op's and leak checked —okay. Complied with Columbia Mandatory Service Bulletin SB 06-004 "Mixture Lever". —END—					
The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under					
Order No: 14098 A & P: 181483518 Inspector: Jeffrey L. Martin Date: April 7, 2006 500-B Airport Road, Lancaster Airport, Lititz, PA 17543					
Henry Weber Aircraft Distributors, Inc. N2730P Maintenance Release 914322					
Total Time: 342.8 Engine Logbook Hobbs: 342.8					
Annual Inspection completed this date: Ad's checked—none due. Returned magnetos to 24 degrees BTC . Retorqued rocker gaskets, serviced spark plugs. Adjusted idle and mixture. Replaced intake filter. Run up leak check good. —END—					
Engine Compressions: #1 70 #2 70 #3 68 #4 72 #5 66 #6 67					
I certify that this aircraft ENGINE has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Pertinent details of the repair are on file at this repair station under					
Order No: 14113 Inspection Authorization: 86583416IA Inspector: Murray S. Fuller Date: May 1, 2006 500-B Airport Road, Lancaster Airport, Lititz, PA 17543					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins	
	Hrs.	Min.	Hrs.	Min.		
Brought Forward →						
Henry Weber Aircraft Distributors, Inc.			N2730P			
Maintenance Release			41071			
June 22, 2006		Engine Logbook		Hobbs: 363.6		
Drained oil, removed filter. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon Elite 20W50 oil. Engine ground run. Op's and leak checked—okay. —END—						
<small>The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under</small>						
Order No: 14158		A & P: 86583416				
Inspector: <i>Murray S. Fuller</i>		Date: June 22, 2006				
Murray S. Fuller						
500-B Airport Road, Lancaster Airport, Lititz, PA 17543						
DATE: 8/10/2006 TSIO-550 W/O: 16371 PAGE: 1 of 1						
AC S/N: 41071 UK TSN: 406.9						
AC REG: N2730P ENG CSN: HOBBS : 406.9						
Changed oil & filter. Serviced w/Evcon Elite 20W 50. Inspected filter - normal. Ground run & leak ck good.						
I certify that this engine identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service. Date: 8/10/2006						
Authorized Signature <i>[Signature]</i> 205422819						
JetDirect Aviation, Inc #1 Earhart Dr. Coatesville, PA 19320						
ENGINE 						
Columbia Air Services-BHB, LLC						
112 Caruso Drive (Hancock County) Bar Harbor Airport - Trenton, ME 04605						
CRS#ZKGR483J						
N2730P		S/N: 41071		LC421-550FG Aug 28, Hobbs: 0419.2		
				2006		
Changed oil and filter, cut open filter and inspected, no defects noted. Serviced with New filter P/N # CH48108-1 and Exxon Elite oil. Run-up, leak and system checks Are normal, no defects noted						
<div><small>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance Identified Above was Repaired and Inspected in Accordance with current Regulations of FAA and is Approved for return to Service. Pertinent details of the repair are on file at This Repair Station under RO # 0349</small> Date: 08/28/2006 Signed: <i>[Signature]</i> Columbia Air Services - BHB, LLC <small>112 Caruso Drive Trenton, ME 04605 FAA Certified Repair Station # ZKGR483J</small></div>						

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
Henry Weber Aircraft Distributors, Inc. Maintenance Release					N2730P 41071
Nov. 1, 2006	Engine Logbook			Hobbs: 435.9	
Installed new Brush Holder Assembly, P/N ALU304BS, in right alternator. Op's checks good on engine ground run. —END—					
<small>The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under</small>					
Order No: 14271		A & P: 181483518			
Inspector: 		Date: Nov. 1, 2006			
Jeffrey L. Martin 500-B Airport Road, Lancaster Airport, Lititz, PA 17543					
 Your FIRST CHOICE in maintenance services		FAA CRS LC1R291K Work Order: 1007225 N2730P Date: 12/12/2006 Time: 461.3			
ENGINE Changed oil and filter, serviced with 8 quarts Exxon 20W50 Elite, installed new CH48108-1, and took sample with kit provided by owner. Removed vernatherm, checked operation with hot water, appeared normal, reinstalled in engine and ran up with no problems noted.					
 David Schober for Frederick Aviation					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
<div>Henry Weber Aircraft Distributors, Inc. N2730P Eng. SN 914322</div> <div>COLUMBIA</div> <div>July 3, 2007 Engine Logbook T.T. and Hobbs: 472.3</div> <div>Completed Annual Inspection this date: No AD's due at this time. Drained oil, removed and cut open old filter. No abnormalities found. Installed new filter, serviced engine with 8 quarts of Exxon Elite 20W50 oil. Retorqued rocker cover screws. Replaced alternate air door shaft grommets. Replaced air induction filter. Cleaned, gapped and rotated spark plugs. Op's and leak checks okay on ground run-up. —END—</div> <div>Engine Compressions: #1 68 #2 65 #3 70 #4 66 #5 68 #6 65</div> <div>I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Pertinent details of the repair are on file at this repair station under</div> <div>Order No: 14395 Certified Repair Station No: DY1R103K</div> <div>Inspector:  (Jeffrey L. Martin) Date: July 3, 2007</div> <div>500-B Airport Road, Lancaster Airport, Lititz, PA 17543</div>					
<div>Henry Weber Aircraft Distributors, Inc. Maintenance Release</div> <div>N2730P Eng. S/N 914322</div> <div>Hobbs: 502.8</div> <div>Drained oil, removed filter. Took sample. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 7 quarts of Exxon Elite 20w50. Engine ground run. Op's & leak checked—ok. Replaced right TIT probe. —End—</div> <div>The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under</div> <div>Order No: 14485 Certified Repair Station No: DY1R103K</div> <div>Inspector:  (Jeffrey L. Martin) Date: Sept. 17, 2007</div> <div>500-B Airport Road, Lancaster Airport, Lititz, PA 17543</div>					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
<div>Henry Weber Aircraft Distributors, Inc. Maintenance Release</div> <div>N2730P Eng. SN 914322</div> <div>Hobbs: 538.2</div> <div>Cessna</div> <div>Engine Logbook</div> <div>Drained oil, removed filter. Took sample. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon Elite 20w50. Engine ground run. Op's & leak checked—ok. —End—</div> <div>The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under</div> <div>Order No: 14633 Certified Repair Station No: DY1R103K</div> <div>Inspector:  (Jeffrey L. Martin) Date: April 16, 2008</div> <div>500-B Airport Road, Lancaster Airport, Lititz, PA 17543</div>					
<div>AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. 23250-2411</div> <div>DATE - 22 AUGUST 2008 MAKE - TCM M/N - TSIO550C S/N - 914322 REG. # N2730P HOBBS: 578.7</div> <div>ENTER IN : ENGINE RECORD</div> <div>COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. ANNUAL INSPECTION IN ACCORDANCE WITH CESSNA 400 AMM CHAPTER 5 INSPECTION CHECKLIST. COMPRESSIONS AS FOLLOWS: #1, #2, #3, #4, #5, #6. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 8 QTS EXXON ELITE 20W50. REMOVED MAGNETOS DUE TO 500 HOUR INSPECTION AND INSTALLED TWO NEW MAGNETOS; REMOVED P/N 6320, S/N'S 05011326 & 05012056. INSTALLED NEW S/N'S 08010896 & 08010709 PER TCM TSIO-550 M/M. REPLACED OIL COOLER WITH NEW P/N 654580, S/N OFF: 104-2145-371, S/N ON: G07-5670-152 PER TCM TSIO-550 M/M. REPLACED LH ENGINE AFTERCOOLER WITH NEW UNIT, P/N OFF: 646462, S/N OFF: A05-3898-18, P/N ON: 656051, S/N ON: G08-6625-106. COMPLIED WITH 300 HOUR ENGINE FUEL NOZZLE CLEANING. COMPLIED WITH 500 HOUR OIL PRESSURE RELIEF VALVE INSPECTION. REPLACED ONE SPARK PLUG FOR CRACKED INSULATOR WITH NEW P/N RHB325 AND INSTALLED IN SPARK PLUG IN #5 CYLINDER. COMPLIED WITH FUEL SET-UP ON ENGINE IN ACCORDANCE WITH TCM SID 97-3 REV E AND MADE REQUIRED ADJUSTMENTS TO CORRECT ENGINE PERFORMANCE. COMPLIED WITH FLIGHT TEST FOR FUEL SET-UP PER TCM SID97-3E DATED 6/17/2008. ENGINE PERFORMANCE CHECKED GOOD WITH NEW ADJUSTMENTS. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER.</div> <div>— ENGINE TOTAL TIME: 578.7 HOURS</div> <div>THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS INSPECTION AND/OR REPAIR ARE ON FILE AT THIS REPAIR FACILITY UNDER WORK ORDER NO. 50084.</div> <div>SIGNATURE:  CRS CERTIFICATE No: BIER466C CHIEF INSPECTOR</div>					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
Henry Weber Aircraft Distributors, Inc. Maintenance Release					
Engine Logbook					
N2730P Eng. SN 914322					
Hobbs: 606.4					
Drained oil, removed filter. Took sample. Cut open and inspected old filter. No abnormalities found. Replaced filter with new. Serviced engine with 8 quarts of Exxon Elite 20W50 oil. Engine ground run. Op's and leak checked okay.—END					
The component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under					
Order No: 14805 A & P: 2773146					
Inspector: Troy Santangelo Date: 12/18/08					
500-B Airport Road, Lancaster Airport, Lititz, PA 17543					
Date: 3/16/2009 Hobbs: 614.9 N2730P Model LANCAIR COMPANY S/N: 41071 Customer: ULTRA SHARES LLC					
Aircraft Technicians, Inc. 2285 Airport Highway P. O. Box 1026 Alcoa, TN. 37701 (865) 681-4553					
#1 Engine Entry					
Complied with Unison Industries Slick SB2-08 in accordance with paragraph 1.) detailed instructions. Next due 100 hours or Annual Inspection whichever is first.					
I certify that this ENGINE identified above was repaired in accordance with FAR's and/or Manufacturer's instructions as applicable and is returned to service as regards to work performed only. Aircraft Technicians, Inc. Work Order # 7436 as provided to owner/operator provides information regarding the work performed and is on file.					
FOR: Aircraft Technicians, Inc. Jeremy Webster A&P# 2616233					
330 Aviation Way Frederick, MD 21701 301-662-8156 CRS LC1R291K					
Date: 5/12/2009; Aircraft: N2730P; Type: LANCAIR C LC41-550FG; S/N: 41071 2005; Hobbs: 627.40; Total Time: 627.40; Engine - Type: TSIO-550-C7B, S/N: 914322, Time: 627.40 Shop Order #: FDK-09-09642 Engine log entry: Oil and filter changed, serviced with 7 qts Exxon 20W50. Old filter cut open and inspected, no contaminants found. Took oil sample for analysis. Installed new left TIT probe, p/n 86245. Engine ground run ok, no leaks noted.					
John Colaluca for Landmark Aviation CRS LC1R291K					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
AIRWORTHY AVIATION LLC.					
N6185 Resource Drive					
Sheboygan Falls, 53085					
920-467-8611					
N2730P (Columbia 400 s/n 41071)					
August 7, 2009					
Aircraft time: 635.6					
Replaced Oil pressure transducer p/n P165-100G-E4A with new plug harness.					
Removed and cleaned oil pressure relief valve, ground run and adjusted 1 ½ turns in.					
Removed and replaced oil filter, (insp. old filter, no contamination found).					
Mech. Troy Van Sluys A&P 3241049 IA.					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. , 23250 -2411					
DATE - 22 SEPT 2009 MAKE - TCM M/N - TSIO550C S/N - 914322 REG. # N2730P HOBBS: 642.2					
ENTER IN: ENGINE RECORD					
COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. COMPLIED WITH ANNUAL INSPECTION IN ACCORDANCE WITH CESSNA 400 AMM CHAPTER 5-20-00 INSPECTION CHECKLIST. COMPRESSIONS AS FOLLOWS: #1 66/80, #2 62/80, #3 56/80, #4 56/80, #5 45/80, #6 58/80. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 7 QTS EXXON ELITE 20W50 (PROVIDED BY OWNER). COMPLIED WITH TCM SB 08-3 DATED 3/14/2008 FOR THROTTLE AND MIXTURE CONTROL ARM INSTALLATIONS, NO DEFECTS NOTED. COMPLIED WITH CESSNA SB 08/74/02R01 DATED 5/18/2009 FOR UNISON INDUSTRIES SLICK MAGNETO INSPECTION BY REPLACING BOTH MAGNETOS WITH NEW UNITS DUE TO FAILED INSPECTION: REMOVED P/N 6320, S/N'S 08010709 & 08010696 AND INSTALLED NEW P/N 6320, S/N'S 09070482 & 09061371 WITH NEW GASKETS AND TIMED TO ENGINE PER TCM TSIO-550C M/M. REPLACED RH ALTERNATOR DUE TO OIL LEAKAGE: REMOVED P/N ALX-9524R S/N F010263 AND INSTALLED NEW P/N ALX-9524R S/N 1062437. REPLACED BROKEN CLAMP ON TURBO CONNECTION TO INDUCTION SYSTEM WITH NEW P/N 629163-7. REPLACED OIL FILLER/BREATHING TUBE ASSEMBLY WITH NEW UNIT DUE TO CHAFFED TUBE, INSTALLED NEW P/N 654627-4. RE-TORQUED HARDWARE ON ALL ROCKER COVERS DUE TO LEAKAGE. REPLACED INDUCTION AIR CABLE DUE TO STIFF OPERATION BY INSTALLING NEW P/N A700-BLACK. OPERATIONAL CHECK GOOD. REPLACED SUPPORT BAFFLE BETWEEN CYLINDER #2 & #4 WITH NEW P/N 646868. REPLACED #4 AND #6 INTAKE CYLINDER PIPE CLAMPS WITH NEW P/N QS100M-32H PER TCM TSIO-550C M/M. REPLACED FAULTY SPARK PLUG AT # 4 TOP POSITION WITH NEW P/N RHB32S. ALL LEAK AND OPERATIONAL CHECKS REQUIRED FOR ANNUAL INSPECTION AND REPAIRS HAVE BEEN ACCOMPLISHED AND WERE SATISFACTORY. ALL AD'S ARE CURRENT AND COMPLIANCE RECORDS HAVE BEEN UPDATED. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. ENGINE TOTAL TIME: 642.2 HOURS					
THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS INSPECTION AND/OR REPAIR ARE ON FILE AT THIS REPAIR FACILITY UNDER WORK ORDER NO. 52012.					
SIGNATURE: CRS CERTIFICATE NO: BIER466C CHIEF INSPECTOR					

Date

Total Time

Time Since Last Overhaul

Hrs.

Min.

Hrs.

Min.

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Brought Forward

AERO INDUSTRIES, INC

5745 HUNTSMAN RD.

RICHMOND INTL AIRPORT

VA. , 23250-2411

DATE - 8 APRIL 2010

MAKE - TCM

M/N - TSIO550C

S/N - 914322

REG. # N2730P

HOBBS: 659.1

ENTER IN: ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. TROUBLESHOT ENGINE FOR SKIPPING DURING OPERATION: ENGINE COMPRESSIONS AS FOLLOWS: #1 66/80, #2 54/80, #3 62/80, #4 50/80, #5 42/80, #6 50/80, ALL COMPRESSIONS WITHIN TCM LIMITS WITH MASTER ORIFICE AT 38 PSI. INSPECTED ENGINE HARNESS, FOUND # 6 SPARK PLUG WIRE HAD INTERMITTENT FIRING. REPLACED IGNITION HARNESS ASSEMBLY WITH NEW P/N 10-423604-21. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 8 QTS EXXON ELITE 20W50. CLEANED INSPECTED, GAPPED AND TESTED ALL SPARK PLUGS, ALL CHECKED GOOD PER M/M. STARTER ADAPTER LEAKING AT SHAFT: REPLACED STARTER ADAPTER WITH NEW UNIT P/N 642087-1A5 (NEW ASSY 1640) PER TCM TSIO-550 M/M. LH AFTER COOLER HAS CRACKED FLANGE: REPLACED LH AFTER COOLER WITH NEW ASSEMBLY P/N 656051PER TCM TSIO-550 M/M. REMOVED ISKRA STARTER P/N 655565F12V S/N 04-295-0002 AND INSTALLED NEW LAMAR STARTER ASSEMBLY P/N PM1207 (TCM P/N 646238) S/N 85E80306 AS DIRECT REPLACEMENT PER TCM TSIO-550 M/M. AMENDED WEIGHT & BALANCE FOR STARTER CHANGE AND UPDATED POH/AFM. GROUND RUN ENGINE, LEAK AND OPERATIONAL CHECK GOOD ON LAMAR STARTER ASSEMBLY, OPERATIONAL CHECK BAD ON NEW STARTER ADAPTER. REPLACED STARTER ADAPTER WITH NEW P/N 642087-1A5 (NEW ASSEMBLY 1932) USING NEW P/N 653470 GASKET SET PER TCM TSIO-550 M/M. GROUND RUN ENGINE LEAK AND OPERATIONAL CHECK GOOD. COMPLIED WITH CESSNA SB10-73-01 DATED 1/18/2010 FOR ENGINE HYDRAULIC LIFTER INSPECTION/REPLACEMENT: REVIEWED ENGINE RECORDS HISTORY. ENGINE S/N 914322 IS NOT LISTED ON THE SECTION A SERIAL NUMBER LISTING IN TCM MSB09-8A DATED 12/4/2010 AND NO HYDRAULIC LIFTERS HAVE BEEN CHANGED IN 2009 OR SINCE ENGINE WAS BUILT ON 2/23/2005. NO FURTHER ACTIONS REQUIRED FOR CESSNA SB10-73-01. REMOVED RH MAGNETO COVER TO TROUBLESHOT # 6 CYLINDER GOES TO 0 EGT READING: ADJUSTED MAGNETO CAP FOR PROPER INSTALLATION AND PROPER FIT/CONTACT WITH SPRING CONTACTS, RE-SECURED MAGNETO CAP. ALL LEAK AND OPERATIONAL CHECKS ASSOCIATED WITH MAINTENANCE ACCOMPLISHED ABOVE WAS COMPLETED, ALL CHECKED SATISFACTORY. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. ENGINE TOTAL TIME: 659.1 HOURS

THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS INSPECTION AND/OR REPAIR ARE ON FILE AT THIS REPAIR FACILITY UNDER WORK ORDER No. 53088.

SIGNATURE:

CRS CERTIFICATE No: BIER466C

CHIEF INSPECTOR

12

Date

AERO INDUSTRIES, INC

5745 HUNTSMAN RD.

RICHMOND INTL AIRPORT

VA. , 23250-2411

DATE - 11/01/20

MAKE - TCM

M/N - TSIO550C

S/N - 914322

REG. # N2730P

HOBBS: 715.5

Brought Forward

ENTER IN: ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. COMPRESSIONS AS FOLLOWS: #1 70/80, #2 30/80, #3 34/80, #4 24/80, #5 32/80, #6 30/80: MASTER ORIFICE: 43/80. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 50 MINERAL OIL FOR CYLINDER BREAK-IN. REMOVED ALL SIX CYLINDERS FOR REPAIR AT TRIAD AVIATION: REMOVED P/N'S 656946A1, S/N'S ACO4KB355, ACO4KB835, ACO4KB826, ACO4KB837, ACO4KB825 & ACO4KB818. RE-INSTALLED REPAIRED CYLINDERS NOTED ABOVE WITH NEW RINGS, O-RINGS AND GASKETS IN ACCORDANCE WITH TCM TSIO-550 PERMOLD SERIES OVERHAUL MANUAL M-18. REPLACED # 1, # 3, # 5 & # 6 EXHAUST HYDRAULICS LIFTERS DUE TO PITTING: REMOVED P/N'S 653877 AND INSTALLED (4) P/N 653877 RECONDITIONED HYDRAULIC LIFTERS PER M-18 MANUAL. REPLACED # 2 & # 4 INTAKE HYDRAULIC LIFTERS DUE TO PITTING: REMOVED P/N'S 653888 AND INSTALLED (2) P/N 628488 RECONDITIONED HYDRAULIC LIFTERS PER M-18 MANUAL. RE-SAFETIED BOTH REAR ISOLATOR MOUNTS DUE TO BROKEN SAFETY WIRE. REPLACED # 3 EGT PROBE DUE TO CRACK USING NEW P/N AF1163201. REPLACED BROKEN CLAMP AT # 3 INJECTION LINE USING NEW P/N 652436-1. COMPLIED WITH LEAK AND OPERATIONAL CHECKS AS REQUIRED BY ANNUAL INSPECTION AND REPAIRS, ALL ITEMS CHECKED SATISFACTORY. GROUND RUN ENGINE IN ACCORDANCE WITH TCM SB M89-7R1 DATED 8/4/1989 FOR ENGINE OPERATION AFTER CYLINDER INSTALLATION PER PARAGRAPH III (A) STEPS 1 THRU 5, NO DEFECTS NOTED AND ENGINE OPERATION & INDICATIONS WERE NORMAL. COMPLIED WITH TCM SB M89-7R1 PARAGRAPH III (B) STEPS 1 THRU 4 FOR TWO HOUR TEST FLIGHT REQUIREMENT FOR PROPER CYLINDER BREAK-IN. AIRCRAFT FLOWN FOR 2.4 HOURS. INSPECTED ENGINE AFTER TEST FLIGHT, NO DEFECTS OR LEAKS NOTED. THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. IN ADDITION TO THE ABOVE REPAIRS, I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH THE CESSNA 400 AMM CHAPTER 5-20-00 INSPECTION CHECKLIST FOR AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS OF THIS INSPECTION AND/OR REPAIRS ABOVE ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER No. 53829. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. AIRCRAFT TOTAL TIME: 715.5 HOURS

SIGNATURE:

CRS CERTIFICATE No: BIER466C

CHIEF INSPECTOR

ENTER IN: ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1, TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 7 QTS AEROSHELL 100 MINERAL OIL. PLACED ONE QUART IN BAGGAGE STORAGE AT CUSTOMER REQUEST. ALL LEAK AND OPERATIONAL CHECKS ASSOCIATED WITH MAINTENANCE ACCOMPLISHED ABOVE WAS COMPLETED, ALL CHECKED SATISFACTORY. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. ENGINE TOTAL TIME: 735.2 HOURS

THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS INSPECTION AND/OR REPAIR ARE ON FILE AT THIS REPAIR FACILITY UNDER WORK ORDER No. 54798.

SIGNATURE:

CRS CERTIFICATE No: BIER466C

CHIEF INSPECTOR

13

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
<div><div><div>AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. , 23250 -2411</div><div>DATE - 18 Nov 2011 MAKE - CESSNA M/N - 400 S/N - 41071 REG. # N2730P TIME - 762.2</div></div><div>ENTER IN : ENGINE RECORDS</div><div>Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries Inc. Form 005. Engine Compression checks : #1 65/80 #2 65/80 #3 68/80 #4 65/80 #5 63/80 #6 65/80. Replaced induction air filter with new P/N BA-345E. Complied with oil change. Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected. No metal or debris. Installed new CH48108-1. Torqued and safety wired filter assembly. Serviced engine with 8 quarts Aeroshell 100 plus. Complied with TCM MSB94-8D dated 2/17/2010 for magneto to engine timing on installed TSIO550C(7) engine. No defects noted. Complied with AD2011-13-03 dated 7/13/2011 for turbocharger inspection. AD2011-13-03 does not effect installed turbochargers on this engine per step (H) of AD. Both Turbos have greater than 50 operating hours TIS (S/N's IAL00263 and IAL00286). Left (P/N 2850103-3) and right(P/N 2850103-4) Alternate Air butterfly valves were removed and replaced with new valves. #1 and #2 top spark plugs were replaced with new due to ceramic cracks, and #3 and #6 bottom spark plugs were replaced with new sparks plugs due to ceramic cracks (P/N RHB32S). Complied with leak and operational checks as required by annual inspection and repairs. All items checked satisfactory. The maintenance described above was inspected and repaired in accordance with current technical data and FAA regulations and with respect to the work performed. The aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft/Engine was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 inspection checklist for an Annual inspection and was determined to be in airworthy condition. Details of this inspection and/ or repairs above are on file at this repair station under work order No.55423. Complied with final inspection for work accomplished under this work order. Aircraft/Engine/Prop time: 481.3</div><div>The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service ,with respect to the work Performed. Details of this repair are on file at this repair facility under : Work order# 55423 SIGNATURE <i>Laurie M. Currier</i> CRS CERTIFICATE NO. BIER466C</div></div>					
<div><div><div>AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. , 23250 -2411</div><div>DATE - 23 FEB 2012 MAKE - CESSNA M/N - 400 S/N - 41071 REG. # N2730P TIME - 790.6</div></div><div>ENTER IN : ENGINE RECORDS</div><div>Removed cowlng, drained oil, took oil sample, removed oil filter, cut open and inspected oil filter, no defects found. Installed new oil filter CH48108-1, serviced with 7 qts of Aeroshell 100 plus, Placed one quart in cargo area. Reinstalled cowlngs, Engine ran for leak checks. Leak ck good. Borescoped cylinders for oil consumption of 1 quart every 4.6 hours. Found cylinders have oil puddles and #4 had scratches on side wall. Blended minor pits on all prop blades.</div><div>The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service ,with respect to the work Performed. Details of this repair are on file at this repair facility under : Work order# 55801 SIGNATURE <i>Laurie M. Currier</i> CRS CERTIFICATE NO. BIER466C</div></div>					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
<div><div><div>AERO INDUSTRIES, INC 5745 HUNTSMAN Rd . RICHMOND INTL AIRPORT VA. , 23250 -2411</div><div>DATE -- 25 APRIL 2012 MAKE -- TCM M/N -- TSIO-550C S/N -- 914322 REG. # N2730P HOBBS: 794.2</div></div><div>ENTER IN : ENGINE RECORD</div><div>COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION ACCOMPLISHED IN ACCORDANCE WITH AERO INDUSTRIES, INC. FORM 005. ENGINE COMPRESSIONS COMPLETED: # 1 66/80. # 2 68/80. # 3 75/80. # 4 78/80. # 5 58/80, # 6 62/80, MASTER ORIFICE WAS 44/80. COMPLIED WITH BORESCOPE ON ALL SIX CYLINDERS: ALL CYLINDERS SHOW THE FOLLOWING DEFECTS. HOT SPOTS, VERTICAL SCRATCHING, AND PISTON SLAP SCORING. REMOVED ALL SIX CYLINDERS DUE TO EXCESSIVE OIL CONSUMPTION, P/N 656946A1, S/N'S ACO4KB355, ACO4KB835, ACO4KB826, ACO4KB837, ACO4KB825 & ACO4KB818 AND SENT TO REPAIR. RE-INSTALLED REPAIRED CYLINDERS IN SAME POSITIONS AS REMOVED USING NEW GASKET SET P/N 646565A1 AND RING SET P/N ST110-PO05 IN ACCORDANCE WITH TCM TSIO-550 OVERHAUL MANUAL. REPLACED PITTED AND SCARRED INTAKE AND EXHAUST HYDRAULIC LIFTERS: REPLACED INTAKE LIFTERS FOR CYLINDERS # 1, # 2, # 3, # 5 & # 6 WITH NEW P/N 658088 LIFTERS. REPLACED EXHAUST LIFTERS FOR CYLINDERS # 2, # 4 & # 6 WITH NEW P/N 658077 LIFTERS PER OVERHAUL MANUAL. COMPLIED WITH TCM SB M89-7R1 DATED 8/4/1989 PARAGRAPH (III) (A) STEPS 1 THRU 5 FOR GROUND OPERATION, LEAK AND OPERATIONAL CHECK GOOD. COMPLIED WITH TCM SB M89-7R1 DATED 8/4/1989 PARAGRAPH (III) (B) STEPS 1 THRU 4 FOR TEST FLIGHT. ALL IN-FLIGHT OPERATIONS OF ENGINE CHECKED GOOD FOR INITIAL 2.1 HOURS WITH ALL PARAMETERS WITHIN TCM SPECIFICATIONS. REMOVED ENGINE COWLING AFTER FLIGHT AND INSPECTED ENGINE. NO LEAKS NOTED. RE-INSTALLED ENGINE COWLINGS. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER.</div><div>THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED. THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS INSPECTION AND/OR REPAIR ARE ON FILE AT THIS REPAIR FACILITY UNDER WORK ORDER NO. 55857.</div><div>SIGNATURE: <i>Steve P Hall</i> CRS CERTIFICATE No: BIER466C CHIEF INSPECTOR</div></div>					
<div><div><div>AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. , 23250 -2411</div><div>DATE - 11 SEPT 2012 MAKE - COLUMBIA M/N - LG41-550FG S/N - 41071 REG. # N2730P TIME - 831.1</div></div><div>ENTER IN : ENGINE RECORDS</div><div>Removed top cowlng. Inspected all air induction tubes, checked turbo transition ducts, found no defects. Mouse milked wastegate, and checked lines to slope controller. All checked good. Reinstalled top cowlng with new screws.</div><div>The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service ,with respect to the work Performed. Details of this repair are on file at this repair facility under : Work order# 56525 SIGNATURE <i>Laurie M. Currier</i> CRS CERTIFICATE NO. BIER466C</div></div>					

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN : ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION COMPLIED WITH PER AERO INDUSTRIES, INC. FORM 005. COMPRESSIONS AS FOLLOWS: #1 68/80, #2 68/80, #3 74/80, #4 70/80, #5 68/80, #6 72/80: MASTER ORIFICE: 42/80. COMPLIED WITH OIL CHANGE: TOOK OIL SAMPLE WITH SOAP KIT. DRAINED OIL AND REMOVED FILTER. CUT OPEN FILTER AND INSPECTED, NO METAL OR DEBRIS. INSTALLED NEW CH48108-1. TORQUED AND SAFETY WIRED FILTER ASSY. SERVICED ENGINE WITH 7 QUARTS OF AEROSHELL 100 PLUS. COMPLIED WITH TCM MSB94-8D DATED 2/17/2010 FOR MAGNETO TO ENGINE TIMING, BOTH MAGNETO TIMING IS WITHIN LIMITS PER TSIO-550C M.M. AND TCM MSB 94-8D. LH MAGNETO LEAKING AT GASKET: REPLACED GASKET WITH NEW AND CLEANED MOUNTING SURFACE, ALL PER TSIO-550 M.M. RE-INSTALLED MAGNETO PICK-UP HARNESS RETAINING CLIPS AND SECURED HARNESS PER M/M. OIL COOLER FLANGE CRACKED AND COOLER REMOVED FOR REPAIR, P/N 654580 S/N G07-5670-152. RE-INSTALLED REPAIRED OIL COOLER WITH NEW GASKETS PER TCM TSIO-550 M/M. REPLACED TWO CRACKED SPARK PLUGS WITH NEW P/N RHB32S AT # 3 AND # 5 BOTTOM POSITIONS. INSTALLED FAA/PMA APPROVED SAFE-HEAT ENGINE PRE-HEATER KIT P/N 720 PER MANUFACTURERS INSTRUCTION DOCUMENT SH118 REV B DATED 1/18/2010, OPERATIONAL CHECK GOOD. REPLACED LH FORWARD ENGINE ISOLATOR MOUNT WITH NEW P/N 94001-01 DUE TO ENGINE MOUNT SAGGING. REPLACED # 4 EGT PROBE DUE TO DEFECTIVE PART READINGS AND INSTALLED NEW P/N AF1163201. OPERATIONAL CHECK GOOD. COMPLIED WITH LEAK AND OPERATIONAL CHECKS AS REQUIRED BY ANNUAL INSPECTION AND REPAIRS, ALL ITEMS ABOVE CHECKED SATISFACTORY. THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THE AIRCRAFT IS APPROVED FOR RETURN TO SERVICE. IN ADDITION TO THE ABOVE REPAIRS, I CERTIFY THIS AIRCRAFT WAS INSPECTED IN ACCORDANCE WITH THE CESSNA 400 AMM CHAPTER 5-20-00 INSPECTION CHECKLIST FOR AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. DETAILS OF THIS INSPECTION AND/OR REPAIRS ABOVE ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. 56720. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER. AIRCRAFT TOTAL TIME: 852.7 HOURS

SIGNATURE: Thomas R Hall CRS CERTIFICATE NO: BIER466C
CHIEF INSPECTOR

DATE -- 11 DEC 2012
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 852.7

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN : AIRFRAME/ENGINE RECORD

COMPLIED WITH THE FOLLOWING IN ACCORDANCE WITH CESSNA 400 AMM UNLESS OTHERWISE NOTED: PRELIMINARY INSPECTION ACCOMPLISHED IN ACCORDANCE WITH AERO INDUSTRIES, INC. FORM 005. # 4 CHT READING ERRATIC: REMOVE AND REPLACED CHT PROBE WITH NEW P/N RF1036401, OPERATIONAL CHECK GOOD. COMPLIED WITH FINAL INSPECTION FOR WORK ACCOMPLISHED UNDER THIS WORK ORDER.

THE MAINTENANCE DESCRIBED ABOVE WAS INSPECTED AND/OR REPAIRED IN ACCORDANCE WITH CURRENT TECHNICAL DATA AND FAA REGULATIONS AND WITH RESPECT TO THE WORK PERFORMED, THIS AIRCRAFT IS RETURNED TO SERVICE. DETAILS OF THIS WORK ORDER ARE ON FILE IN THIS REPAIR FACILITY UNDER WORK ORDER NO. 56824.

SIGNATURE: Thomas R Hall CRS CERTIFICATE NO: BIER466C
CHIEF INSPECTOR

DATE -- 14 DEC 2012
MAKE -- LANCAIR
M/N -- 400
S/N -- 41071
REG. # N2730P
HOBBS: 853.1

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN : ENGINE RECORDS

Removed Cowlings, removed #5 CHT probe, installed new probe. Reinstalled cowlings. Ops ck'd good on engine run. IAW Cessna 400 m/m and CM TSIO550C m/m

The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service, with respect to the work Performed. Details of this repair are on file at this repair facility under:
Work order# 56841 SIGNATURE Laurel M Cramer CRS CERTIFICATION NO: BIER466C

DATE -- 19 DEC 2012
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
TIME -- 854.1

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. 23250-2411			DATE -- 05 JAN 2013 MAKE -- TCM M/N -- TSIO550C S/N -- 914322 REG. # N2730P TIME -- 858.5		
ENTER IN : ENGINE RECORDS					
Removed cowlings. Removed left TIT probe, Installed new TIT probe. OPS ck'd good. Reinstalled cowlings. IAW Cessna 400 m/m and CM TSIO550C.					
The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service, with respect to the work Performed. Details of this repair are on file at this repair facility under: Work order# 56888 SIGNATURE <u>And S</u> A&P # 399783494					
DATE: MAY 21 N2730P 879.2 HOBBS COL 4/G SN 41071 DRAINED OIL, SERVICED WITH 7 QTS SHELL 100 plus. INSTALLED NEW FILTER CH 48108-1 RAN ENGINE, CHECKED FOR LEAKS. Leak ck good. <u>Ray Strong</u> RAY STRONG, OWNER PILOT # 3223594					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. 23250-2411			DATE -- 27 JUNE 2013 MAKE -- TCM M/N -- TSIO550C S/N -- 914322 REG. # N2730P TIME -- 892.1		
ENTER IN : ENGINE RECORDS					
Removed engine cowlings. Dropped fuel drain back manifold on right side. Removed #3 CHT probe. Installed new CHT probe. OPS ck good. Reinstalled drain manifold and engine cowlings. All IAW TSIO550C m/m and Cessna 400 m/m					
Maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service, with respect to the work Performed. Details of this repair are on file at this repair facility under: Work order# 57508 SIGNATURE <u>Laurel M Cramer</u> CRS CERTIFICATION NO: BIER466C					
OCTOBER 28 2013 REG. # N2730P 904.3 HOBBS COL 4/G DRAINED OIL, SERVICED WITH SHELL 100 PLUS, 7 QUARTS. INSTALLED NEW FILTER CH 48108-1 RAN ENGINE, CHECKED FOR LEAKS. No leaks. OK GOOD. TOOK OIL SAMPLE <u>Ray Strong</u> RAY STRONG, OWNER PILOT # 3223594					

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN: ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005. Compressions as follows: #1 72/80, #2 74/80, #3 72/80, #4 70/80, #5 72/80, #6 70/80: Master Orifice: 45/80. Complied with oil change: Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 quarts of AEROSHELL 80 Plus. Complied with TCM MSB94-8D dated 2/17/2010 for magneto to engine timing, both magneto timing is within limits per TSIO-550C M/M. and TCM MSB 94-8D. Oil cooler flange cracked and cooler removed for repair, P/N 654580 S/N G07-5670-152. Re-installed repaired oil cooler with new gaskets per TCM TSIO-550 M/M. RH turbocharger cracked: Removed P/N 466304-9003 (646677) S/N IAL00286 and installed overhauled unit P/N 466304-9003 S/N XCL00043 per TCM TSIO-550 M/M using new gaskets. Oil leak on crankcase at seam (Top Forward): Removed LH alternator and bracket. Inspected case, no defects noted. Re-installed bracket with sealer on bolts. Re-installed LH alternator per TSIO-550 M/M and Cessna 400 AMM, leak check good on post ground run. Cleaned and flushed air/oil separator hose return line as requested and re-installed separator hose. Replaced # 1 EGT probe indication is dead: Installed new P/N AF1163201per M/M, operational check good. Complied with leak and operational checks as required by annual inspection and repairs, all items above checked satisfactory. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs are on file at this repair station under Work Order No. 58122 Complied with final inspection for work accomplished under this work order. Aircraft Total Time: 914.7 Hours

Signature: *Thomas Wall* CRS Certificate No: BIER466C
Chief Inspector

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN: ENGINE RECORDS

Removed cowling, removed #2 EGT PN AF1136602 and installed new PN AF1163201 EGT probe. Reinstalled cowling. IAW Cessna 400 m/m chapter 71. Ops ck good on engine run.

The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service, with respect to the work performed. Details of this repair are on file at this repair facility under:
Work order# 58208 SIGNATURE *Linda M. Carrier* CRS CERTIFICATE NO. BIER466C

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN: ENGINE RECORDS

REMOVED ENGINE COWLINGS. REMOVED #5 CHT PROBE. INSTALLED NEW #5 CHT PROBE. OPS CK'D GOOD. REINSTALLED COWLINGS. IAW CESSNA 400 M/M

The maintenance described above was inspected in accordance with current FAA regulations and the aircraft / component is approved for return to service, with respect to the work performed. Details of this repair are on file at this repair facility under:
Work order# 58274 SIGNATURE *Linda M. Carrier* CRS CERTIFICATE NO. BIER466C

DATE -- 14 JAN 2014
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 914.7

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
MAY 16, 2014	940.8	16	00	00	REG # 2730P COL 4G DRAINED OIL. SERVICED WITH AEROSHELL 100+, 50 SAE 7 QUARTS. INSTALLED NEW FILTER CH 48108-1 RAN ENGINE. CHECKED FOR LEAKS. NO LEAKS. OK GOOD. TOOK OIL SAMPLE. <i>Ray Strong</i> RAY STRONG, OWNER PILOT # 3223594
SEPT 29, 2014					REG # 2730P COL 4G DRAINED OIL SERVICED WITH AEROSHELL 100+ 50 SAE, 7 QUARTS. INSTALLED NEW FILTER CH 48108-1. RAN ENGINE. CHECKED FOR LEAKS. NO LEAKS. OK. GOOD. <i>Ray Strong</i> RAY STRONG, OWNER PILOT # 3223594

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN: ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005. Compressions as follows: #1 63/80, #2 66/80, #3 70/80, #4 76/80, #5 70/80, #6 70/80: Master Orifice: 44/80. Complied with oil change: Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 quarts of AEROSHELL 100 Plus. Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted. # 1 EGT probe failed indication: Installed new P/N AF1163201per M/M, operational check good. Complied with TCM MSB94-8D dated 2/17/2010 for magneto to engine timing, both magneto timing is within limits per TSIO-550C M/M and TCM MSB 94-8D (24.5 & 24.0). Oil cooler flange cracked at previous weld repair: Removed P/N 654580 S/N G07-5670-152. Re-installed repaired oil cooler assembly S/N G07-5670-152 in accordance with CMI TSIO-550 M/M using new gasket. Complied with Cessna SEB-28-02 dated 4/8/2014 for Fuel-Low fuel pressure switch sealing by sealing top of switch with RTV 162 per SEB Instructions. All rocker covers leaking: Replaced all rocker cover gaskets on cylinders using new P/N 655705 gaskets per CMI TSIO-550 M/M. Spark plugs cracked at # 1 top, # 3 bottom, # 5 bottom and # 6 bottom: Replaced spark plugs with (4) new P/N RHB32S in accordance with CMI TSIO-550 M/M. All applicable AD'S are current and compliance records updated Complied with leak and operational checks as required by annual inspection and repairs noted above, all items above checked satisfactory. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 59607. Complied with final inspection for work accomplished under this work order. Aircraft Total Time: 978.4 Hours

Signature: *Thomas Wall* CRS Certificate No: BIER466C
Chief Inspector

DATE -- 3 MARCH 2015
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 978.4

JUNE 8, 2015					REG # 2730P COL 4G DRAINED OIL. SERVICED WITH AEROSHELL 100+, 50 SAE, 7 QUARTS. INSTALLED NEW FILTER CH 48108-1 RAN ENGINE. CHECKED FOR LEAKS. NO LEAKS. OK. GOOD. <i>Ray Strong</i> RAY STRONG, OWNER PILOT # 3223594
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SEE AIRFRAME LOG FOR OIL CHANGE 21 AUG 2015

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. . 23250-2411					DATE - 25 AUG 2015 MAKE - COLUMBIA M/N - 400 S/N - 41071 REG. # N2730P HOBBS: 1025.2
ENTER IN: AIRFRAME/ENGINE RECORD					
Complied with the following in accordance with Cessna 400 m/m unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005. Adjusted prop governor high stop 3/4 turn c/w (decrease approx. 75 RPM) Attached Porta-tester. Low pressure good @ 7.2 PSI. Rise good @ 30 RPM. Adjusted high pressure 1 1/2 turns CCW (increase). Fuel flow good. Final reading RPM 2520, FF 37.1 Man 36.0 Oil pressure 42.0 psi. All per CMI SED97-3F. Removed porta tester and leak checked. All good per CMI TSIO550C m/m. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. Complied with final Inspection for work accomplished under this work order. #60375					
Signature: <u>Lanette M. Currier</u> CRS Certificate No: BIER466C Inspector					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. . 23250-2411					DATE - 08 OCT 2015 MAKE - COLUMBIA M/N - 400 S/N - 41071 REG. # N2730P HOBBS: 1034.7
ENTER IN: ENGINE RECORD					
Complied with the following in accordance with Cessna 400 m/m and CMI TSIO550C unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005 Cleaned engine, ran engine. Found right alternator leaking and breather assy at gasket leaking. Removed breather assy, reinstalled with new gaskets and o rings. Removed and replaced with overhauled right alternator. Checked Alternator slip coupling for slippage. No defects found. All IAW Cessna 400 m/m. Leak and ops checks good. Checked plugs on indicators for oil pressure and RPM gauges. No defects noted. Removed, cleaned and reseated firewall connections. Removed and replaced pins @ oil pressure transmitter plug. All per Cessna 400 m/m. Ops checked good. Complied with Cessna SB SEL-71-04 per TCM Critical SB CSB15-2 by removing oil cooler cross fitting and installed new fitting PN 658607. Leak and ops check good. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. Complied with final Inspection for work accomplished under this work order. #60476					
Signature: <u>Lanette M. Currier</u> CRS Certificate No: BIER466C					
AERO INDUSTRIES, INC 5745 HUNTSMAN RD. RICHMOND INTL AIRPORT VA. . 23250-2411					DATE - 18 DEC 2015 MAKE - COLUMBIA M/N - 400 S/N - 41071 REG. # N2730P HOBBS: 1048.2
ENTER IN: ENGINE RECORD					
Complied with the following in accordance with Cessna 400 m/m and CMI TSIO550C unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005. Ran engine and removed cowlings. Drained oil, took oil sample and shipped for testing. Removed, split and inspected filter, no discrepancy found. Installed new filter. Serviced with 7 qts Aeroshell 100 plus (placed 1 qt in baggage area) Reinstalled cowlings. Leak check good IAW Cessna 400 m/m and CM TSIO550C m/m. Removed surface CHT fitting from #2 cylinder. Installed new surface CHT per Cessna 400 m/m. Removed rockers, pushrods, and tubes. Removed Breather assy. Cleaned area and tubes. Reinstalled breather, tubes, pushrods and rockers. Installed rocker covers. IAW CMI TSIO550C m/m. Dressed prop blades IAW Hartzell instructions. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. Complied with final Inspection for work accomplished under this work order. #60713					
Signature: <u>Lanette M. Currier</u> CRS Certificate No: BIER466C Inspector					

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. . 23250-2411DATE -- 4 MARCH 2016
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 1049.2

ENTER IN: ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005. **Compressions as follows: #1 68/80, #2 72/80, #3 70/80, #4 68/80, #5 70/80, #6 70/80: Master Orifice: 44/80. Engine oil leak:** Removed 7th stud between # 2 and # 4 cylinders. Cleaned area and stud. Re-installed 7th stud per CMI TSIO-550 M/M. Re-installed engine area from stud repair minus baffle box for leak check. Removed # 4 cylinder for repair by Triad Aviation, P/N 658603A1 S/N AC04KB837. Re-installed repaired # 4 cylinder S/N AC04KB837 with new gasket set P/N SA520-T3, Ring Set P/N SA5000SC5-P05 and Lock Tab P/N 501868 in accordance with CMI TSIO-550 O/M. Magneto pressure filter missing orifice plug: Found plug in inner cylinder baffle and re-installed per CMI TSIO-550 M/M. Complied with oil change: Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 quarts of AEROSHELL 100 Plus. Complied with oil change: Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 8 quarts of Phillips X/C 20W50. Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted. Complied with 300-Hour engine fuel injection nozzle cleaning and inspection, no defects noted. Re-installed injection nozzles with new gaskets and o-ring P/N'S X1473, 640612, and 630979-9 per CMI TSIO-550 M/M and SID05-7. Complied with TCM MSB94-8D dated 2/17/2010 for magneto to engine timing, both magneto timing is within limits per TSIO-550C M/M and TCM MSB 94-8D (24.5 & 24.0). Complied with engine cleaning after all maintenance per Inspection Checklist. All four engine isolator mounts are sagging and distorted: Replaced all isolator mounts with new P/N 94001-01 and clip P/N 2850101-3 using new hardware in accordance with Cessna 400 AMM. # 4 bottom spark plug cracked: Replaced cracked plug with new P/N RHB32S per CMI TSIO-550 M/M. LH transition duct has pin hole: Removed transition duct for repair, P/N 657972. Re-installed repaired transition duct P/N 657972 using new gasket 636465 and 652458 in accordance with CMI TSIO-550 M/M, leak check good. Complied with TCM SM M89-7R1 dated 8/4/89 for ground engine run after cylinder installation per Paragraph III (A) Steps 1 thru 5, no defects noted. Aircraft still requires 2 hour engine flight test for cylinder break-in per TCM SB M89-7R1 Paragraph III (B) Steps 1 thru 4, to be accomplished by owner/operator. All applicable AD'S are current and compliance records updated Complied with leak and operational checks as required by annual inspection and repairs noted above, all items above checked satisfactory. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 60774. Complied with final Inspection for work accomplished under this work order. Aircraft Total Time: 1049.2 Hours**

Signature: David R. Hall CRS Certificate No: BIER466C
Chief InspectorAERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. . 23250-2411DATE -- MARCH 18, 2016
MAKE -- TCM
M/N -- TSIO-550C(7)
S/N -- 914322
REG. # N2730P
HOBBS: 1051.2

ENTER IN: ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005. Engine S/N 914322 removed from aircraft for repair at Triad Aviation. Engine boxed for shipment. Details of this inspection and/or repair are on file at this repair facility under Work Order No. 61003. No maintenance release at this time.

Signature: David R. Hall CRS Certificate No: BIER466C
Chief Inspector

Disassembled Continental TSIO-550-C(7) engine serial number 914322 for repair. Cleaned, inspected, magnafluxed, and repaired as needed. Replaced parts as listed.
Reassembled IAW Continental Overhaul Manual and FAA Regulations.
Crankcase - P/N 656644-11A1 S/N R16BA256 new from Continental Motors WO#507085
Camshaft - P/N EQ7003 A/N 269189 new from Continental Motors WO#469905
Cylinders - (6) P/N 655946 S/N AC061C411, AC06JA429, AC06JA426, AC06JB088, AC06JA886, AC061C407 repaired as needed. Cleaned, inspected, replaced exhaust guides, honed barrels P.010, refaced seats and valves, lapped and leaked checked okay.
Starter Adapter - Starter Shaft P/N 655711 Starter Gear P/N 652388 repaired by Aircraft Specialties WO#231759
Test Run - Test ran engine 1 hour 10 minutes, RPM 2300, oil pressure 56, oil temp 179. Mag drop at 2100, L 100 RPM, R 100 RPM. Compression test cylinder #1 76/80 #2 77/80 #3 78/80, #4 77/80 #5 78/80 #6 78/80.

This engine is approved for return to service. All pertinent details on file this repair station WO# 22530. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M.

Signed: Alma M. Mesher Date: 4/20/2016

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

DATE -- 26 APRIL 2016
MAKE -- LANCAIR
M/N -- 400
S/N -- 41071
REG. # N2730P
HOBBS: 1051.2


ENTER IN : AIRFRAME/ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.

1. Engine oil leak around # 4 cylinder: Removed # 4 cylinder and removed six 7/16 studs, cleaned, inspected and re-installed with new sealant in accordance with CMI TSIO-550 M/M. Re-installed # 4 cylinder IAW CMI TSIO-550 M/M. Ground run engine for 10 minutes, leak check bad. Traced oil leak to pocket area below the # 7 stud. Removed # 4 cylinder again for access to check area thoroughly. Borescoped area to find possible crack in the base of the pocket area in LH case half. Inspected internal case area, Complied with eddy current inspection, found internal area and base of pocket area cracked. Complied with dye Penetrant inspection in both areas to confirm cracks per CMI TSIO-550 M/M and Cessna 400 Standard practices.
2. Removed engine assembly and sent to Triad Aviation for engine repair, M/N TSIO-550C (7), S/N 914322.
3. Reinstalled repaired engine S/N 914322 by Triad Aviation, Work Order 22530 and their log entry dated 4/20/2016. Reference Triad Aviation Log Entry for repairs accomplished. Engine installed in accordance with Cessna 400 AMM Chapter 71 with CMI Maintenance and Overhaul Manual M18 dated July 15, 2015. Engine serviced with 8 Qts Phillips XC 20W50 oil.
4. Propeller re-installed on engine with new P/N C3317-228 o-ring and new hardware P/N'S A2044 & A1381 per Cessna 400 AMM Chapter 61.
5. Complied with TCM SB M89-7R1 dated 8/1989 for Paragraph III (A) Steps 1 thru 5 for ground engine run after engine and cylinder installations, leak and operational check good on engine.
6. Both TIT indications dead: LH side MFD comes up but goes away. RH side analog does not move (LH probe eroded through and RH probe has broken wires): Installed two new TIT probes, P/N 86245 per Cessna 400 AMM Chapter 77, operational check good.

NOTE: Customer/Operator is required to accomplish initial 2-Hour break-in in accordance with TCM SB M89-7R1 Paragraph III (B) Steps 1 thru 4.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final Inspection for work accomplished under this work order. 61003 ACTT: 1051.2 Hours HOBBS: 1051.2 Hours ETSN: 1051.2 Hours ETS Teardown/Repair: 0.0 Hours PTSN: 105.2**

Signature:  CRS Certificate No: BIER466C
Chief Inspector

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

DATE -- 15 JUN 2016
MAKE -- COLUMBIA
M/N -- 400
S/N -- 41071
REG. # N2730P
HOBBS: 1072.5

ENTER IN: ENGINE RECORD

Complied with the following in accordance with Cessna 400 m/m and CMI TSIO550C unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005. **Ran engine and removed cowlings. Drained oil, took oil sample and shipped for testing. Removed, split and inspected filter, no discrepancy found. Installed new filter. Serviced with 7 qts Aeroshell 100 plus (placed 1 qt in baggage area) Reinstalled cowlings. Leak check good IAW Cessna 400 m/m and CM TSIO550C m/m. Removed and replaced #2 EGT probe PN AF1163201 IAW Cessna 400 m/m. Ops check good.** The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final Inspection for work accomplished under this work order. #61317**

Signature:  CRS Certificate No: BIER466C
Inspector

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

ENGINE MODEL:
ENGINE S/N:
REG. NO: N2730P
WORK ORDER:
7551-06-2016

Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 6/25/2016
A/C TSN:
ENG TT:
TACH:

Engine Entries

Replaced Analog CHT Probe on CYL #2 with new PN 2855 IAW EMM, Operations check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 6/25/2016

SIGNED: 

Bill Ahmann
Certified Repair Station No. 5TCR105B

Work Order: 7551-06-2016

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AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

DATE -- 2 AUGUST 2016
MAKE -- LANCAIR
M/N -- 400
S/N -- 41071
REG. # N2730P
HOBBS: 1103.6

ENTER IN : AIRFRAME/ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.

1. Oil change due: Removed engine cowlings. Took oil sample as required. Removed and replaced oil filter with new CH48109-1, torqued and safetied. Cut open old filter and inspected, no defects noted. Replenished 7 quarts of Aeroshell 100 Plus in engine and placed spare quart in customer baggage area. All work completed in accordance with CMI TSIO-550C M/M. Re-installed engine cowlings per Chapter 71. Ground run engine, leak and operational check good.
2. RH tailpipe is chaffing on firewall/heatshield: Removed tailpipe and sent to Dawley Aviation for repair, P/N 654328. Re-installed repaired tailpipe per Cessna 400 AMM and TSIO-550C M/M.
3. RH firewall/heatshield requires repair: Fabricated sheet metal patch for firewall per AC43.13-1B, Section 4 and installed with sealant, CR3553-4-2 rivets and NAS1149FN832P. Re-installed heatshield in accordance with Cessna SB05-006B using CR3553-4-3 rivets. Sealed firewall per Cessna 400 AMM.
4. LH front engine isolator mount bad: Replaced mount with new P/N 94001-01 and 2850101-3 Isolator Locking Tab per Cessna 400 AMM Chapter 71.
5. Induction cable inop/stiff: Freed up cable, lubed and re-routed induction cable per Cessna 400 AMM, operational check good.
6. Fuel totalizer inoperative again (Intermittent): Troubleshooted with Avidyne assistance, downloaded engine data and saw no drop in fuel flow. DAU & MFD were previously replaced. Requires aircraft to be flown to further troubleshoot where system is failing.
7. Top cowlings requires paint: Prepped, primed and painted top cowlings in accordance with Cessna 400 AMM Chapter 51. Top cowlings polished and blended to match existing paint finish.
8. Propeller spinner due polishing: Polished spinner as required per Cessna 400 AMM Chapter 20. OK for service.
9. Clean all windows, spotted with some kind of spray: Windows cleaned as required per 400 AMM Chapter 20.
10. Multiple nicks, scratches and red paint on wheel fairings: Cleaned scuff marks and red paint off of all wheel pants as required. All other marks were normal wear & tear. All completed items per Chapters 20 & 51.
11. Multiple scratches and overspray on bottom cowlings: Buffed cowlings as required per 400 AMM Chapter 51.
12. # 1 battery relay is not pulling battery "On" without cross-tie: Replaced LH battery relay using new P/N 70902 per Cessna 400 AMM and W/M, operational check good. OK for service.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final Inspection for work accomplished under this work order. 61420**

Signature: 

Chief Inspector

CRS Certificate No: BIER466C

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN : ENGINE RECORD

DATE -- 11 APRIL 2017
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 1120.3

1. Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005. Compressions as follows: #1 70/80, #2 70/80, #3 72/80, #4 70/80, #5 70/80, #6 70/80: Master Orifice: 44/80.
2. Complied with oil change: Took oil sample with SOAP kit. Drained oil and removed filter. Cut open filter and inspected, no metal or debris. Installed new CH48108-1, torqued and safety wired filter assy. Serviced engine with 7 quarts of AEROSHELL 100 Plus.
3. Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted.
4. Both magnetos removed for 500-Hour inspection, P/N 6320 S/N'S 09061371 & 09076482 and sent to Quality Aircraft Accessories: Re-installed both magnetos, S/N'S 09061371 & 09076482, rebuilt to PAH's Specifications with 500 Hour inspection completed.
5. Complied with TCM MSB94-8D dated 2/17/2010 for magneto to engine timing, both magneto timing is within limits per TSIO-550C M/M and TCM MSB 94-8D (24.5 & 24.0).
6. Complied with engine cleaning after all maintenance per Inspection Checklist.
7. All applicable AD'S are current and compliance records updated.
8. Complied with leak and operational checks as required by annual inspection and repairs noted above, all items above checked satisfactory.
9. Oil sump pan Safe-Heat pad heater is not working: Installed new pan heater P/N 05-04421 in accordance with McFarlane Installation Instructions # SH118 Rev B dated 1/18/2010. Operational check good. OK for service.
10. Engine oil sample has excessive metal wear for aluminum, chromium, iron, nickel, silicon and phosphorus indicated on Blackstone Lab Oil Report dated 3/21/2017: Engine compressions completed, # 1 70/80, # 2 70/80, # 3 72/80, # 4 70/80, # 5 70/80 & # 6 70/80, Master Orifice was 44/80. Compressions completed per CMI Standard Practices Manual M-0, all good per M/M. Complied with cylinder borescope on all cylinders per CMI Standard Practices Manual M-0, no abnormal indications noted. Owner has been notified of the Oil Report and next oil change will be accomplished in 25 hours.
11. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 62103. Complied with final Inspection for work accomplished under this work order. Aircraft Total Time: 1120.3 Hours

Signature:

Thomas R. Wall

Chief Inspector

CRS Certificate No: BIER466C

Belle Aircraft Maintenance 20 Lindbergh Ln, Fletcher, NC 28732 828-684-9191
12/21/17 N2730P LC41-550FG SN:41071 Hobbs:1147.4

Performed oil and filter change using 6 qts. Aeroshell 100 W plus oil and AA 48109-1 filter. Sample taken. Engine run leak check good.

D. G. Phillips A&P 3598992 IA
David G. Phillips

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

ENTER IN : ENGINE RECORD

DATE -- 7 JUNE 2018
MAKE -- TCM
M/N -- TSIO550C
S/N -- 914322
REG. # N2730P
HOBBS: 1160.8 Hours

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted: Preliminary inspection complied with per Aero Industries, Inc. Form 005.

1. Compressions as follows: #1 72/80, #2 66/80, #3 72/80, #4 72/80, #5 76/80, #6 70/80: Master Orifice: 44/80.
2. Complied with oil filter change: Took oil sample with kit. Removed oil filter, cut open filter and inspected, no metal or debris. Installed new AA48109, torqued and safety wired filter assy. Serviced engine as required with AEROSHELL 100 Plus. Leak check good.
3. Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted.
4. Complied with CMI Manuals M-0 and TSIO-550C M/M for magneto to engine timing, both magnetos are within limits per TSIO-550C M/M.
5. Complied with engine cleaning after all maintenance per Inspection Checklist and Cessna 400 AMM.
6. Oil pressure relief valve is due: Performed inspection on oil pressure relief valve per TSIO-550C M/M, no defects noted.
7. All applicable AD'S are current and compliance records updated.
8. AD 2016-21-04 dated 11/18/2016: CMI CSB 15-2 was accomplished on 10/08/2015 under work order 60476. New fitting P/N 658607 was installed per instructions. No further action due.
9. AD 2016-16-12 dated 9/15/2016: Does not apply to installed engine at this time. No ECI cylinders installed to include no Class 71 & 76 cylinders installed.
10. Cessna SEB-78-01 dated 7/28/2017: Verified clearance, found clearance on bottom heat shield is not enough. Replaced RH exhaust tailpipe with new P/N 2850100-14 in accordance with TSIO-550C M/M and M-0 Chapter 17 and Appendix D.
11. Oil pressure sensor loose, pins need replaced: Replaced pins and connector with new P/N'S 12089290 & 12110192 per Cessna 400 AMM, operational check good.
12. During exhaust pressure check, found LH tailpipe leaking at wastegate flange: Removed tailpipe from repair by Dawley Aviation, P/N 2850100-5. Re-installed repaired LH tailpipe P/N 2850100-5 per CMI TSIO-550C M/M. OK for service.
13. LH alternator mounting ear is broken: Removed P/N ALX6526 S/N F020228 and installed new P/N ALX6526 S/N HS020041 in accordance with Cessna 400 AMM and CMI TSIO-550C M/M. OK for service.
14. LH engine baffle (Inner cooler shelf) is broken: Removed baffle for repair. Applied a carbon fiber layup in accordance with Cessna 400 AMM Chapter 51, OK for service. Re-installed baffle per Cessna 400 AMM and TSIO-550C M/M. OK for service.
15. All 8 air filter bolts are too long and one anchor nut is stripped out: Replaced bolts with new P/N AN3-15A and nutplate per Cessna 400 AMM, Chapter 71.
16. RH aft engine mount has loose safety wire and elongated hole in dog-ear: Replaced safety wire per Cessna 400 AMM Chapter 71. Hole in Dog-Ear is OK for service.
17. RH firewall exhaust heat shield is cracked at chaffed area: Stop drilled crack and installed doubler patch with steel rivets P/N CR3523-4-1 and RTV 132 sealant. Reference AC43.12-1B Page 4-32. OK for service.
18. LH forward isolator mount is sagging, worn past limits: Replaced LH forward isolator mount with new P/N 94001-01 and new safety clip P/N 2850101-3 per Cessna 400 AMM.
19. Found oil pressure at lower green at run-up: Removed oil pressure relief valve for inspection, found washer P/N 631653 not installed. Installed new CMI P/N 631653 inside oil pressure relief valve and installed relief valve on engine, torqued and safetied per CMI TSIO-550C M/M. Ground run engine, operational check good with normal pressure readings.
20. Complied with borescope of all cylinders due to current oil analysis record dated 5/07/2018. Borecope complied with per CMI Standard Practices.
21. Engine oil sample has excessive metal wear for aluminum, chromium, iron, nickel, Manganese and phosphorus indicated on Blackstone Lab Oil Report dated 5/07/2018. Compressions completed above in # 1 per CMI Standard Practices Manual M-0, all good per M/M. Owner has been notified of the Oil Report and next oil change will be accomplished in 25 hours.
22. Complied with engine case pressure check per CMI Manual M-0: Completed engine case pressure check per CMI Manual M-0 Chapter 8 Table 8-9.1, indicated case pressure reading on indicator was 155 MPH. Owner/Operator has been advised, no further repairs requested.
23. Complied with all leak checks and operational checks required for completed maintenance.
24. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 63433. Complied with final Inspection for work accomplished under this work order. Aircraft Total Time: 1160.8 Hours ETSN: 1160.8 Hours

Signature:

Thomas R. Wall

Chief Inspector

CRS Certificate No: BIER466C

HILLSBORO AVIATION 

Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Avenue, Hillsboro, OR 97124 Phone (503)648-2831

N2730P

WO#: M18297

Date: 7/11/2018

ENGINE LOG

Make: Continental

Model: TSIO-550

Flight Recording Time: 1182.3

Changed oil and filter. Serviced with 7qts Aeroshell W100 plus. Saved oil sample for analysis and inspected oil filter for debris, no contaminants noted.

Designated Repair Station Inspector:

David G. Phillips

CRS# LJER093G



February 26, 2019 TACH: HOBBS:1209.0
Engine Continental TSIO-550C Serial#914322
Drained oil. Oil sample taken. Installed new filter CH48109-1 Old filter cut open
no metal noted. Service engine with 7 qts. Aeroshell 100W Plus. Washed and ran
engine no leaks noted. *Paul S Ridgeway*
PAUL S RIDGEWAY A&P27903641A

d Maintenance Record

thiness Directives, Special Inspections,
ins

AERO INDUSTRIES . INC
5745 HUNTSMAN RD .
RICHMOND INTL AIRPORT
VA . 23250 -2411

ENTER IN : ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted:

1. Preliminary inspection complied with per Aero Industries, Inc. Form 005.
2. Compressions as follows: #1 71/80, #2 73/80, #3 74/80, #4 75/80, #5 73/80, #6 71/80: Master Orifice: 46/80.
3. Complied with oil filter change: Removed oil filter, cut open filter and inspected, no metal or debris. Installed new AA48109, torqued and safety wired filter assy. Serviced engine as required with AEROSHELL 100 Plus. Leak check good on run. Note: oil was previously changed 16.4 hours prior to annual inspection.
4. Complied with 50-Hour turbocharger check valve cleaning and inspection per CMI Manual M-0, Section 6-4.21.1, no defects noted.
5. Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted.
6. Complied with CMI Manuals M-0 and TSIO-550C M/M for magneto to engine timing, both magneto's are within limits per TSIO-550C M/M.
7. Complied with engine cleaning after all maintenance per Inspection Checklist and Cessna 400 AMM.
8. Customer reports # 5 CHT is running hot (384), # 1 338, # 3 330, # 2 316, # 4 312 & # 6 308 degrees: Troubleshoot system with calibrated ALCAL 2000 tester set at 300 degrees, # 5 & # 6 CHT read 290 degrees. On post engine run, # 5 CHT operational checked normal. All tests accomplished per Cessna 400 AMM and ALCAL 2000 tester instructions. OK for service.
9. Cessna SEL-78-04 dated 2/23/2018 for Hartzell ET ASB 074 for turbocharger center housing inspection: Removed oil cans, LH turbo housing is S/N 441320-0012 & RH turbo has no S/N on mounting flange. No action due based on ASB 074 requirements, turbochargers not affected. Oil cans re-installed on turbochargers with new gasket P/N 652101 per Manual M-0.
10. Complied with engine case pressure check per CMI Manual M-0: Engine case pressure check per CMI Manual M-0 Chapter 8 Table 8-9.1, indicated case pressure reading on indicator was 135 MPH on pre-annual inspection run up. Verified case pressure reading on post-inspection run, indicator reads 155 MPH. Owner/Operator has been advised, no further repairs requested.
11. Exhaust leak at wastegate valve lower flange: Removed tail pipe and sent off for repair at Dawley Aviation, P/N LC71849107. Re-installed repaired tail pipe P/N LC71849107 in accordance with CAT Manual M-0, leak check good.
12. LH intercooler baffle/support is cracked at rear corner, has been repaired before: Cleaned area of previous resin repair and prepped surface for lay-up repair using carbon fiber material per Cessna 400 AMM Chapter 51. OK for service.
13. Alternate air cable will not move: Removed inner control wire from sheath, cleaned and lubricated wire and sheath and re-installed control wire into sheath and rigged. All completed per Cessna 400 AMM, operational check good.
14. Number 5 bottom spark plug has split in ground electrode: Replaced spark plug with new P/N RHB32S per CAT Manual M-0.
15. Complied with all leak checks and operational checks required for completed maintenance above. All checked satisfactory.
16. The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 64853. Complied with final inspection for work accomplished under this work order. Aircraft Total Time: 1225.4 Hours ETSN: 1225.4 Hours

Signature: *Thomas K Hall*

Chief Inspector

CRS Certificate No: BIER466C



Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Avenue, Hillsboro, OR 97124 Phone (503)648-2831

N2730P

WO#: M19502

Date: 6/20/2019

ENGINE LOG

Make: Continental

Model: TSIO-550

S/N: 914322

Flight Recording Time: 1241.1

Changed oil and filter. Serviced with 7qts Aeroshell W100 plus. Saved oil sample for analysis and inspected oil filter for debris, no contaminants noted.

Designated Repair Station Inspector: *J. P. Ridgeway*

CRS# LJER093G



Hillsboro Aviation Inc. FAA Approved Repair Station # LJER093G 3845 NE 30th Avenue, Hillsboro, OR 97124 Phone (503)648-2831

N2730P

WO#: M19502

Date: 6/20/2019

ENGINE LOG

Make: Continental

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S/N: 914322

Flight Recording Time: 1241.1

Changed oil and filter. Serviced with 7qts Aeroshell W100 plus. Saved oil sample for analysis and inspected oil filter for debris, no contaminants noted.

Designated Repair Station Inspector: *J. P. Ridgeway*

CRS# LJER093G

AERO INDUSTRIES . INC
5745 HUNTSMAN RD .
RICHMOND INTL AIRPORT
VA . 23250 -2411

ENTER IN : ENGINE RECORD

Complied with the following in accordance with Cessna 400 A/M unless otherwise noted:

- Preliminary inspection complied with per Aero Industries, Inc. Form 005.
- Compressions as follows: #1 58 /80, #2 68 /80, #3 76 /80, #4 76 /80, #5 67/80, #6 74/80: Master Orifice: 46/80.
- Complied with oil filter change: Drained oil and took sample. Removed oil filter, cut open filter and inspected, no metal or debris. Installed new AA48109, torqued and safety wired filter assy. Serviced engine as required with AEROSHELL 100 Plus, 8 quarts. Leak check good on run.
- Complied with 50-Hour turbocharger check valve cleaning and inspection per CMI Manual M-0, Section 6-4.21.1, no defects noted. Leak check good.
- Complied with Brackett Air Filter ICA and replaced element with new P/N BA345E, no defects noted.
- Complied with CMI Manuals M-0 and TSIO-550C M/M for magneto to engine timing, both magneto's are within limits per TSIO-550C M/M.
- Complied with engine cleaning after all maintenance per Inspection Checklist and Cessna 400 AMM.
- Complied with cylinder borescope on all six cylinders: Found all valves normal. There is oiling in all six cylinders. Light to medium corrosion and pitting is present. Completed IAW CAT Manual M-0. See engine case pressure check below.
- Complied with engine case pressure check per CMI Manual M-0: Engine case pressure check per CMI Manual M-0 Chapter 8 Table 8-9.1, indicated case pressure reading on indicator was 135 MPH on pre-annual inspection run up. Verified case pressure reading on post-inspection run, indicator reads 170 MPH after cleaning air/oil separator and reassembly per CAT Manual M-0. With Oil/Sep and breather system disconnected, case pressure at full power was at 50 MPH. Owner/Operator has been advised, no further repairs authorized by customer.
- Complied with lubrication of wastegate valve per CAT Manual M-0.
- Cessna SEL-74-06R1 dated 3/20/2020 for Champion Aerospace Slick SB1-19: Reviewed records for currently installed magnetos. Installed S/N's 09061371 & 09076482 are NOT affected by Slick SB1-19 based on affected S/N Block 15010001 thru 18050664, no action due.
- Champion Slick SB1-15A for distributor gear Inspection/Replacement: Both of the installed magnetos had Slick SB1-15 complied with on 3/24/17 on magneto S/N's 09061371 & 09076482, no further action required.
- Champion Slick SB2-19 dated 10/14/19 for magneto impulse couplings: Inspected magneto records, installed S/N's 09061371 & 09076482 are NOT affected by SB2-19 based on affected S/n Block 15021147 & 19020180. Not action due at this time.
- During engine run static RPM was cycling between 2500 & 2600 RPM, prop control cable had excessive play: Adjusted rigging of propeller cable IAW Cessna 400 AMM Chapter 61 and CAT Manual M-0, operational check good.
- Oil cooler winterization door hinge feels loose: Removed door and inspected hinge and found worn out. Replaced hinge with new P/N 0300051-6 IAW AC43.13-1B Chapter 4. OK for service Winterization door reinstalled, operational check good per 400 AMM.
- Oil capacity placard illegible: Replaced placard with new P/N LA53111011 per Cessna 400 AMM Chapter 11.
- Manifold deck pressure reference line to slope controller is beginning to dry rot and showing sidewall cracks: Replaced hose assembly with new P/N AN6270-4D-0280 IAW CAT Manual M-0.
- Cowling nutplate missing: Replaced nutplate IAW Cessna 400 AMM Chapter 20-80-00-2, OK for service.
- Complied with all leak checks and operational checks required for completed maintenance above. All checked satisfactory.
- The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service.

In addition to the above repairs, I certify this aircraft was inspected in accordance with the Cessna 400 AMM Chapter 5-20-00 Inspection Checklist for an Annual Inspection and was determined to be in airworthy condition. Details of this inspection and/or repairs above are on file at this repair station under Work Order No. 66307. Complied with final inspection for work accomplished under this work order. Aircraft Total Time: 1265.1 Hours ETSN: 1265.1 Hours

Signature: *Thomas K Hall*

Chief Inspector

CRS Certificate No: BIER466C

AERO INDUSTRIES, INC
5745 HUNTSMAN RD.
RICHMOND INTL AIRPORT
VA. 23250-2411

DATE -- 20 JULY 2020
MAKE -- LANCAIR
M/N -- 400
S/N -- 41071
REG. # N2730P
HOBBS: 1265.1 Hours

ENTER IN: AIRFRAME/ENGINE RECORD

Complied with the following in accordance with Cessna 400 AMM unless otherwise noted:

1. Preliminary Inspection accomplished in accordance with Aero Industries, Inc. Form 005.
2. # 3 CHT Red X on warm-up: Swapped # 3 to #5 probe position and vice-versa and applied Stabilant 22 to connections. Ground run engine, no Red X during ground run and temps were normal. All per Cessna 400 AMM Chapter 71 & 77. Reinstalled cowlings per Cessna 400 AMM.

The maintenance described above was inspected and repaired in accordance with current technical data and FAA Regulations and with respect to the work performed, the aircraft is approved for return to service. **Complied with final Inspection for work accomplished under this work order. 66422**

Signature: _____

Chief Inspector

ENGINE LOGBOOK ENTRY

03/16/2021 N2730P Tach: 1300.4 TT: 1300.4

Changed oil and filter. Serviced with 8 quarts Aeroshell W100 Plus and CH48109-1 filter. Installed new oil quick drain valve. Washed, ran up and leak checked. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 23850.

Signed: _____
signature of authorized representative

Rite-Way Aviation, Inc.
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

ENGINE LOGBOOK ENTRY

09/03/2021 N2730P Tach: 1320.5 TT: 1320.5

Installed overhauled cylinder S/N 113552 in #1 position. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24061.

Signed: _____
signature of authorized representative

Rite-Way Aviation, Inc.
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

ENGINE LOGBOOK ENTRY

08/16/2021 N2730P Tach: 1315.7 TT: 1315.7

Completed 100 hour inspection per Appendix D to Part 43. Compressions as follows: #1-44/80, #2-72/80, #3-64/80, #4-66/80, #5-52/80, #6-62/80. M.O. 42. Changed oil and filter. Serviced with 9 quarts Aeroshell W100 Plus and CH48109-1 filter. Washed, ran up and leak checked. Installed new magneto pressurization filter. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24036. I certify that this engine has been inspected in accordance with a(n) 100 hr. inspection and was determined to be in an airworthy condition.

Signed: _____
signature of authorized representative

Rite-Way Aviation, Inc.
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

ENGINE LOGBOOK ENTRY

03/16/2021 N2730P Tach: 1300.4 TT: 1300.4

Changed oil and filter. Serviced with 8 quarts Aeroshell W100 Plus and CH48109-1 filter. Installed new oil quick drain valve. Washed, ran up and leak checked. This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 23850.

Signed: _____
signature of authorized representative

Rite-Way Aviation, Inc.
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

RITE-WAY AVIATION
an AEROHP Company

AIRFRAME LOGBOOK ENTRY

05/09/2022 N2730P Tach: 1381.1

Completed 50 hour inspection according to the 50 hour inspection checklist. Changed oil and filter. Serviced with 7 quarts Aeroshell 100 and AA48109 filter. Washed, ran up and leak checked.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24499.

Signed: _____

signature of authorized representative

Rite-Way Aviation
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

RITE-WAY AVIATION
an AEROHP Company

ENGINE LOGBOOK ENTRY

09/02/2022 N2730P Tach: 1411.1 SMOH: 1411.1

Completed 100 hour inspection per Appendix D to Part 43. Complied with compression check: 1) 74, 2) 64, 3) 74, 4) 78, 5) 40, 6) 72. Lapped #5 cylinder exhaust valve and seat. Resulting compression is 74. Changed oil and filter. Serviced with 7 quarts Aeroshell 100W PLUS and AA48109 filter. Replaced the #2 top spark plug and the #5 bottom spark plug. Replaced the induction air filter. Washed, ran up and leak checked.




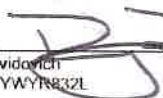

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24660. I certify that this engine has been inspected in accordance with a(n) 100 Hour/Annual inspection and was determined to be in an airworthy condition.

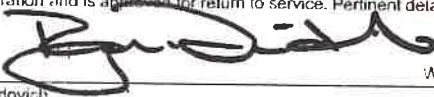

Signed: _____

signature of authorized representative

Rite-Way Aviation
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

ce Record
pecial Inspections,

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
<div><div><p>RITE-WAY AVIATION an AEROHP Company</p></div><div>ENGINE LOGBOOK ENTRY</div></div>					
09/09/2022		N2730P		Tach: 1412.1	
Replaced #5 cylinder CHT probe.					
This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order 24674.					
Signed: 			 <div>Rite-Way Aviation Repair Station YWYR832L 7814 Eagle Lane, Spring, TX 77379</div>		
<div><div>Spring24966 05-2023 (05-18-2023)</div><div><div>MAKE: Lancair MODEL: LC41-550FG S/N: 41071 REG. NO.: N2730P</div><div>Rite-Way Aviation FAA Cert: YWYR832L 7814 Eagle Lane Spring, TX 77379</div><div>Page 1 / 1 W/O #: Spring24966-05-2023 DATE: 05-18-2023 A/C T.T: 1445.6 A/C Tach: ENG T.T: Hobbs: 1445.6</div></div></div>					
Engine <div>1 Completed oil change with 7qts. of Aeroshell W100 Plus and new filter P/N: AA48109. Inspection of old filter was normal.</div> <div>3 Removed engine driven fuel pump P/N: 649368-44A4. Installed overhauled fuel pump P/N: 649368-44A4, S/N: B07GA221 as per Continental MM TSIO-550-C 10-2. Overhaul performed by Great Planes Metering, Inc. CRS# 1GPR022B. Connected fuel system set up box and set fuel pressures per the continental M-O. All operational checks normal.</div>					
This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station					
DATE: 05-18-2023		SIGNED:  <div>Ryan D Davidson FAA Cert: YWYR832L</div>		 <div>WORK ORDER: Spring24966-05-2023 Printed by EBIS (EBISCloud.com)</div>	

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record
Brought Forward			
Spring25125-10-2023 (11-09-2023)			
MAKE: Lancair MODEL: LC41-550FG S/N: 41071 REG. NO: N2730P		Rite-Way Aviation FAA Cert: YWYR832L 7814 Eagle Lane Spring, TX 77379	Page 1 / 1 W/O #: Spring25125-10-2023 DATE: 11-09-2023 A/C TT: 1465.6 A/C Tach: ENG TT Hobbs: 1465.6 TSMOH
Engine			
<ul style="list-style-type: none">Complied with Annual/100-hour inspection on this engine in reference to Rite-Way Aviation 100-Hour/Annual Inspection Checklist. Engine performance check is satisfactory. Complete compressions as follows cylinder #1-70/80, #2-64/80, #3-57/80, #4-56/80, #5-63/80, #6-56/80.Coordinated with client on workorder status, inspection items, component pricing and lead time. Completed AD research, time-controlled items, component research, technician direction, maintenance manual review and OEM coordination as required. All applicable AD's have been complied with through Bi-Week 2023-23Cleaned fuel injectors as per Continental Injector MM FI-2. Installed new rubber washers for air reference tubes P/N: 640612.Removed alternator and replaced crankcase plug crush gasket P/N: AN900-10. Plug torqued per continental M-O.			
This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station			
DATE: 11-09-2023	SIGNED:  Ryan D. Davidovich FAA Cert: YWYR832L		WORK ORDER: Spring25125-10-2023 Printed by EBIS (EBISCloud.com)
MAKE: Lancair MODEL: LC41-550FG S/N: 41071 REG. NO: N2730P		RITE-WAY AVIATION an AEROHP Company	FAA Cert: YWYR832L 7814 Eagle Ln. Spring, TX 77379 W/O #: Spring25184-11-2023 DATE: 08-23-2024 A/C TT: 1469.5 A/C Tach: Hobbs: 1469.5
Engine			
<ul style="list-style-type: none">Complied with oil and oil filter change. Drained oil, removed, and inspected oil filter with satisfactory results. Installed new filter P/N: CH48109-1 and serviced engine with 7 quarts of Aeroshell 100W Plus. Ground ran engine, leak check and oil level is satisfactory.			
This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station			
DATE: 08-23-2024	SIGNED:  Shawn Justus FAA Cert: YWYR832L		WORK ORDER: Spring25184-11-2023 Printed by EBIS (EBISCloud.com)

Date

Total Time

Time Since
Last Overhaul**Engine Service and Maintenance Record**

Spring25125-10-2023 (11-09-2023)

Page 1 / 1

Brought Forw

MAKE: Lancair
MODEL: LC41-550FG
S/N: 41071
REG. NO.: N2730PRite-Way Aviation
FAA Cert: YWYR832L
7814 Eagle Lane
Spring, TX 77379W/O #: Spring25125-10-2023
DATE: 11-09-2023
A/C TT: 1465.6
A/C Tach:
ENG TT:
Hobbs: 1465.6
TSMOH:**Engine**

- Complied with Annual/100-hour inspection on this engine in reference to Rite-Way Aviation 100-Hour/Annual Inspection Checklist. Engine performance check is satisfactory. Complete compressions as follows cylinder #1-70/80, #2-64/80, #3-57/80, #4-56/80, #5-63/80, #6-56/80.
- Coordinated with client on workorder status, inspection items, component pricing and lead time. Completed AD research, time-controlled items, component research, technician direction, maintenance manual review and OEM coordination as required. All applicable AD's have been complied with through Bi-Week 2023-23
- Cleaned fuel injectors as per Continental Injector MM FI-2. Installed new rubber washers for air reference tubes P/N: 640612.
- Removed alternator and replaced crankcase plug crush gasket P/N: AN900-10. Plug torqued per continental M-O.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station

DATE: 11-09-2023

SIGNED:

Ryan D Davidovich
FAA Cert: YWYR832LWORK ORDER: Spring25125-10-2023
Printed by EBIS (EBISCloud.com)MAKE: Lancair
MODEL: LC41-550FG
S/N: 41071
REG. NO: N2730P**RITE-WAY AVIATION**
an AEROP CompanyFAA Cert:
YWYR832L
7814 Eagle Ln.
Spring, TX 77379W/O #: Spring25184-11-2023
DATE: 08-23-2024
A/C TT: 1469.5
A/C Tach:
Hobbs: 1469.5**Engine**

- Complied with oil and oil filter change. Drained oil, removed, and inspected oil filter with satisfactory results. Installed new filter P/N: CH48109-1 and serviced engine with 7 quarts of Aeroshell 100W Plus. Ground ran engine, leak check and oil level is satisfactory.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station

DATE: 08-23-2024

SIGNED:

Shawn Justus
FAA Cert: YWYR832LWORK ORDER: Spring25184-11-2023
Printed by EBIS (EBISCloud.com)

Thoroughbred Aviation Maintenance, Inc.

Powerplant

Date:	3/10/2025	WO:	F24386	AC Type:	LC41-550FG	Hobbs:	1498.4
AC REG:	N2730P	AC SN:	41071	Tach:	N/A	Eng TSO:	N/A
Eng. Model:	TSIO-550C7B	Eng SN:	914322	Eng TT:	1498.4	Prop TSO:	N/A
Prop Model:	HC-13YF-1RF	Prop SN:	LX102B	Prop TT:	1498.4		

- Compression tested engine, M/O 42/80: #1:75, #2:61, #3:55, #4:62, #5:55, #6:55.
- Drained oil, cut filter, some carbon noted, install & torqued new oil filter, P/N: CH48109-1.
- Serviced with 8 quarts Aeroshell W100 Plus.
- Removed, cleaned, inspected, tested, 10 spark plug failed cks, replaced those spark plugs, installed to torque with new gaskets. P/N's URHB32S P/N: M-674.
- Performed 100/Annual inspection IAW continental AMM.
- Performed 100/Annual Lubrication.
- Serviced fuel injectors and replaced seals as needed for all fuel injectors P/N: 630979-9, 628556, X1473, 640612.
- Removed broken fuel rail clip and installed new rail clip P/N 652456-1.
- Retimed LH/RH mags to 24 degrees ops check good.
- Cleaned ignition harness lead ends.
- Inspected and cleaned bottom of Acc. case of fuel staining.
- Removed and replaced with new induction gasket on Cyl. 4 P/N 649950.
- All AD's are up to date.
- Performed Annual Inspection IAW Lancair LC41-550 Annual Cklist & Continental MM to include the scope and detail of 14 CFR Part 43 appendix D.

END

I certify this Powerplant has been inspected/repaired/serviced in accordance with current manufactures maintenance manuals & applicable FARs and was found to be in Airworthy Condition.

MAINTENANCE RELEASE

The aircraft/article identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. Pertinent details of the repair/service/inspection are on file at this agency under

Signed: *Dareian Braun-Porter*

Dareian Braun-Porter A&P 3917311 IA

WO# F24386

Date: 3/10/2025

Form TAM006-03/22