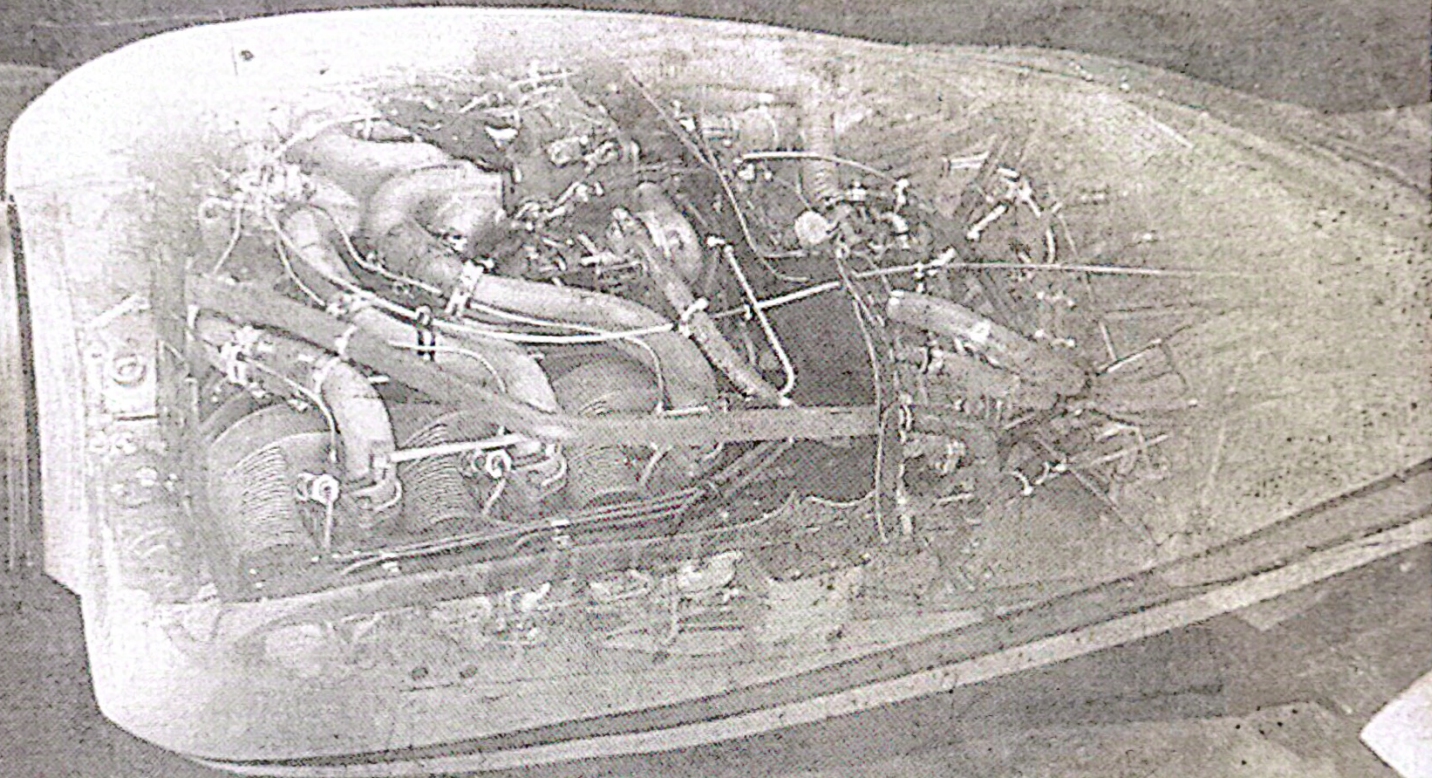


ENGINE LOG BOOK

CIRRUS-N914D-SR20



CONTINENTAL MOTORS

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.	
12-12-00	0	0	N/A	N/A	Serviced with 8 qts of 30 wt mineral oil
3-29-01	28.1				Engine Teardown inspection due to Prop striking Tow bar. Crank + rods insp by Aircraft Specialists + Counterweight bushings replaced. Case dyck OK. New bearings Main + rod, new seals. Service with Aeroshell 100W oil. <i>from logbook ADP 1962651</i>
2-8-07	101.8 hrs				Replaced catterpin on mixture control Rod end in engine compartment IAW std. Maint. Practices. Protected several engine hoses from chaffing IAW std. Maint. Practices. Softened oil Temp sensor IAW std. Maint. Practices. Adjusted Prop. Gov. Rod end in accordance with AMM 61-20. Adjusted Throttle control Rod end IAW AMM 76-10.
Pertinent details are on file at this agency under Work Order # <u>020407-03</u> Date <u>2/8/07</u> Signature <u><i>Bradley McElroy</i></u> Cirrus Design Factory Service Center Duluth, MN Repair Station Cert. No. YD5R855Y					I certify that this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in <u>airworthy</u> condition.
<u>END</u>					
4/1/03	170.				Inspected engine and found safe for Ferry flight. AP452130906 by <i>John</i>



LOG BOOK ENTRY

DATE: 4/10/03

MAKE: CIRRUSS TOTAL TIME: 178.2

N#: N914D

MODEL: SR20 HOBBS TIME: 178.2

SN: 1104

1. Performed annual inspection in accordance with Cirrus Design Aircraft Maintenance Manual (AMM) chapter 3-20.
2. Removed and replaced engine oil and filter. Serviced with Aeroshell 15W50 and Champion filter CH43108. Inspected spark plug and cut oil filter - no metal found. Run-up/leak check good.
3. I certify that this engine has been inspected in accordance with 14 CFR 43.43 inspection and was determined to be in airworthy condition.

The work identified above was performed in accordance with the current Federal Aviation Regulation and was found to be airworthy for return to service. Pertinent details are on file at this agency under:

W/O#: 040703-01 SIGNED *Bradley McElroy*

Cirrus Design Factory Service Center, CRS# YDSR855Y, 4515 Taylor Circle, Duluth, MN 55811

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	→				
01-36-04	229	1			SERVICED WITH EXXON 8040-50 AND CH4B108 FILTER. Z. D. HANIR 1629162
5-4-04	252	1			Compression 1 $\frac{79}{80}$ 2 $\frac{74}{80}$ 3 $\frac{77}{80}$ 4 $\frac{78}{80}$ 5 $\frac{78}{80}$ 6 $\frac{76}{80}$ CK Timing, replace Fuel injectors A/F, DATE <u>5-4-04</u> TACH <u>252.1</u> TOTAL <u>252.1</u> TSMOH I CERTIFY THAT THIS ENGINE/AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>And</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. J. D. HANIR PI 1906651 Jesse Loffer
12-2-04	TACH	281			Change oil + filter. Service with Exxon Elite J. D. HANIR A/P 1906651
10-3-05	TACH	338			Compression 1 $\frac{78}{80}$ 2 $\frac{72}{80}$ 3 $\frac{76}{80}$ 4 $\frac{76}{80}$ 5 $\frac{78}{80}$ 6 $\frac{78}{80}$ Change oil + filter. Service with Exxon Elite. DATE <u>10-3-05</u> TACH <u>338</u> TOTAL <u>338</u> TSMOH I CERTIFY THAT THIS ENGINE/AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>And</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. J. D. HANIR PI 1906651 Jesse Loffer
11-10-06	TACH	374.8			Compression 1 $\frac{78}{80}$ 2 $\frac{72}{80}$ 3 $\frac{78}{80}$ 4 $\frac{78}{80}$ 5 $\frac{76}{80}$ 6 $\frac{76}{80}$ Change oil + filter. Service with Exxon Elite. Replace Exhaust valve pin + baller springs. Replace left mg gasket. DATE <u>11-10-06</u> TACH <u>374.8</u> TOTAL <u>374.8</u> TSMOH I CERTIFY THAT THIS ENGINE/AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>And</u> INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. J. D. HANIR Jesse Loffer

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	→				
06-17-07	429	2			Changed oil and filter. Cot open filter and checked for metal. None found. Oil Sample sent to Blackstone Labs for analysis. Serviced with 7 qts AeroShell 15W 50. Checked brake fluid reservoir. Ran up Engine - leak check good. Returned to service. Tom Woodhuff Owner
Lubbock Aero 6304 N. Cedar Ave. Lubbock, TX 79403					
Reg #: 914D Make: Cirrus S/N: 1104 Date: 11-09-2007 SMOH: SR20 TT: 489.3 Tach: 489.3					
Compression ck over 80psi #1) 72 #2) 72 #3) 72 #4) 70 #5) 72 #6) 68. Cleaned, gapped and tested spark plugs, replaced air filter. --Drained oil, replaced filter p/n CH48108-1 and serviced with 7 quarts Aeroshell 15W 50. --No AD's due at this time.-- I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition. <u>Chad R Burns</u> Chad R Burns AP2829180IA					
Lubbock Aero 6304 N. Cedar Ave. Lubbock, TX 79403					
Reg #: 914D Make: Cirrus S/N: 1104 Date: 05-02-2008 Model: SR-22 HOBBS: 542.3					
Drained oil, replaced oil filter p/n CH48108-1 and serviced engine with 8 quarts Aeroshell 100w. Washed and ran engine no leaks noted at this time. <u>Matthew Williams</u> Matthew Williams A&P 2699680					
Lubbock Aero 6304 N. Cedar Ave. Lubbock, TX 79403					
Reg #: 914D Make: Cirrus S/N: 1104 Date: 05-16-2008 Model: SR20 HOBBS: 546.6					
Replaced all 12 spark plugs with customer supplied Autolite XL plugs p/n URHM38S. Ran engine, op's check normal. <u>Chad R Burns</u> Chad R. Burns AP2829180					

11-09-07 489.3
 C/W 500 HR MMS
 inspection
Chad R Burns
 AP2829180

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 →

Lubbock Aero
6304 N. Cedar Ave.
Lubbock, TX 79403

Reg #: 914D Make: Cirrus S/N: 1104
Date: 07-09-2008 Model: SR-20 HOBBS: 587.5

Drained oil and removed oil filter. Installed new oil filter p/n Ch48108-1 and serviced engine with seven quarts of Aeroshell 100w. Cut oil filter open and no defects noted at this time. Complied with SB 3-08-SB2-08 on both left and right magnetos, no defects noted at this time. Set engine fuel flow up to 18 as per customer request. Washed and ground ran engine, OPS and leak check good at this time.

Matthew Williams
Matthew Williams A&P 2699680

Lubbock Aero
6304 N. Cedar Ave.
Lubbock, TX 79403

Reg #: 914D Make: Cirrus S/N: 1104
Date: 08-26-2008 Model: SR20 HOBBS: 640.9

Performed ground run. Removed cowling as required. Drained oil, removed filter, inspected filter media, Installed a new P/N CH48108-1 filter, and serviced engine with 8 quarts Aeroshell 15W50 oil. Washed engine, re-installed cowling, ground run ops and leak check ok. Cleaned and rotated spark plugs.

Chad R. Burns
Chad R. Burns AP2829180

12-1-08, Hobbs: 692.9 Ran blow-by #1) 76, #2) 78, #3) 66, #4) 76, #5) 72, #6) 74 all over 80 psid. Changed oil (Aeroshell 15W-50) and oil filter (CH48108-1). Removed, cleaned, inspected gapped, tested and reinstalled spark plugs. Checked magneto timing to engine. Replaced air filter with new. Removed, cleaned, inspected and reinstalled fuel injectors and inlet screen. Replaced idle mixture. Replaced Starter with new Plan-C 4053 SN-4C3-320813, See 8130-3 Dated: 8-15-2008 from Sky-Tec Partners, LTD. C/w AD-2008-11-18 dated: 7-7-08, Exhaust/Heat Exchanger, Pressure checked inspected Heat Exchanger IAW- SB-28-78-07 R1 Service Bulletin washed Engine and Ran, ops checked good, NO leaks noted at this time. Andy Murt AP 2826822

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 →					
DATE <u>12-1-08</u>	TOTAL TIME TO DATE		<u>692.9</u>		
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED					
IN ACCORDANCE WITH A <u>Annual</u> INSPECTION					
AND WAS DETERMINED TO BE IN AIRWORTHY					
CONDITION. <u>Arnoldy M. M. 2826822 IA</u>					

Lubbock Aero
6304 N. Cedar Ave.
Lubbock, TX 79413

Lubbock Aero
6304 N. Cedar Ave.
Lubbock, TX 79413

N#: 914D Make: Cirrus Model: SR20
Date: 03-23-2009 S/N: 1104 Hobbs: 745.5

Drained oil, removed filter, inspected filter media, installed new filter P/N CH48108-1, and serviced engine with 7 quarts Aeroshell 15W50 oil. Washed engine, re-installed cowlings, ground run ops and leak check ok.

Eli Wallace
Eli Wallace AP3295046

N#: 914D Make: Cirrus Model: SR20
Date: 03-23-09 S/N: 1104 Hobbs: 779.2

Performed ground run. Removed cowlings as required. Drained oil, removed filter, inspected filter media, installed a new filter P/N CH48108-1, and serviced engine with 8 quarts Aeroshell 15 W 50 oil. Washed engine, re-installed cowlings ground run ops and leak check ok.

Chad R. Burns
Chad R. Burns AP2829180

LUBBOCK AERO

6304 N. Cedar Ave., Lubbock, TX 79403

Date: 01-11-10 N#: 914D Make: TCM Model: IO-360-E5

S/N: 357281

Hobbs: 805.8 ETT: 805.8

C/W engine 100 hour IAW FAR 43 appendix D.

Compression check #1) 71/80 #2) 69/80 #3) 71/80 #4) 71/80 #5) 71/80 #6) 76/80.

Removed, inspected, cleaned, gaped, tested and re-installed spark plugs. --Tested spark plug leads. --Checked magneto timing ok. --Inspected magneto points, no defects noted. --Removed, cleaned, inspected, and installed fuel nozzles. --Inspected and replaced air filter P/N BA-24. --Washed engine. --Lubricated all engine controls. Removed and reinstalled #5 exhaust collector after repairs.

I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

Gene Seitz
Gene Seitz AP2148062IA

Lubbock Aero
6304 N. Cedar Ave.
Lubbock, TX 79403

Reg #: N914D S/N: 1104 Make: cirrus
Date: 10-06-2010 Model: SR20 Hobbs: 0856.3

Completed the oil change. Filter part #CH48108-1. Checked out 8 quarts of Aeroshell 15W50 oil. Put 7 in the engine and 1 in the back. Safetied the oil filter and the drain plug. Battery is of the sealed type. Checked the tire pressures. Washed the engine and wiped down the cowlings as needed.

AP 2148062

LUBBOCK AERO

Date

6304 N. Cedar Ave., Lubbock, TX 79403

Date: 02/18/11 N#: 914D

Make: TCM Model: IO-360-E5

S/N: 357281

Hobbs: 870.0 ETT: 870.0

C/W engine 100 hour IAW FAR 43 appendix D.

Brought For

Compression check #1) 73/80 #2) 70/80 #3) 72/80 #4) 71/80 #5) 75/80 #6) 70/80.

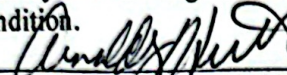
2-18-11

Drained oil, removed filter, inspected filter media, installed a new filter P/N CH48108-1, and serviced engine with 8 quarts Aeroshell 15W 50 oil. --Removed, inspected, cleaned, gaped, tested and re-installed spark plugs. --Tested spark plug leads. --Checked magneto timing ok. --Removed, inspected, cleaned and reinstalled throttle body or carburetor screen. --Inspected and cleaned or replaced air filter. --Washed engine. --Lubricated all engine controls.

Oil sample taken, paper work filled out and mailed to lab.

Removed fuel pump P/N: 649368-22 S/N: B00KA028, and reinstalled after overhaul.

I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.


Arnold Hertel/AP 28268221A

6-16-11

ENGINE MODEL
ENGINE S/N
REG. NO. N914D
WORK ORDER 113257

Clear Star Aviation

Repair Station No. 5CSR009B
4765 Frank Luke Dr
Addison, Texas 75001
Phone: 972-267-2376

DATE 6/16/2011
A/C TSN 873 9
ENG TT 873 9
HOBBS 873 9

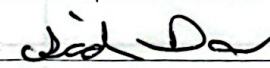
Engine Entries

Adjusted oil pressure, idle, and idle mixture. Install oil cooler P/N 646880 S/N B05-391-49 after overhaul performed by Pacific Oil Cooler Service. Installed new oil shoe P/N 632983. Installed new P/N 628321-38 crack seal cover retaining bolt. Installed new injector support clamp P/N MS21919WF27 on the #5 intake tube.

Pertinent details of repair are on file at this Certified Repair Station 5CSR009B

DATE 6/16/2011

SIGNED


Daw, Isaiah
Certified Repair Station No. 5CSR009B

Work Order 113257

Printed by EBis 3 (datcomedia.com)

8-18-11


N914D Hobbs; 906.7

ENGINE

Drain oil, remove and inspect filter, no contamination noted.
Install new Champion CH48108-1 filter and 7 quarts of W100 Plus
Aeroshell oil.

The aircraft and/or 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 station under **Service Order No. 57641 Dated: 8-18-11**


FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

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 →					
9/8/11			920	3	Clean top of engine, new, removed forward top case bolt leaking, remove, clean, seal with RTV and retorque to 90 in lbs. <i>Jeff LeBosch</i> 11/24/11/1899
11/3/11					N914D SR20 S/N 1104 Tach; 935.0 Remove the upper cowling, remove the wire from the MCU to starter. Jump the starter and observe proper starter speed. Load test the battery, 24 volts with no load, 23 volts at 100 amps draw for 10 seconds. Sand down a chip in the aircraft near the tail tie down ring. Inspect composite for further chips, none noted. Apply a thin coat of filler, prime, and paint. Tap out the bolt hole in the pilot's side wheel pant and install a longer bolt. Drain engine oil, remove filter and inspect, no contamination noted. Install new Champion CH48108-1 oil filter and 7 quarts of Aeroshell 15W50 oil. The aircraft and/or 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 station under Service Order No. 57755 Dated: 11/3/11 <i>Jeff LeBosch</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020
12-1-11					<div style="text-align: center;">  </div> N 914D Serial # 1104 Cirrus SR20 Flight Time: 942.1 Performed 500 hour magneto inspection on right and left magnetos. Installed new carbon brushes and point set in each. Installed a new coil K3975 on the right magneto. All values checked satisfactory. Installed to engine and timed to 24 degrees BTC. Replaced the starter drive assembly Part # 646220A56 per TCM Overhaul Manual. Performed run-up, leak checked, operations satisfactory. Service Order No. 57796 Dated: 12/01/2011 Signed: <i>Tom K. Murdock</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc.

**N914D Hobbs; 952.4 EngineTT; 952.4
ENGINE**

The aircraft and/or 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 station under **Service Order No. 57869** // **Dated: 3-15-12**

Engine Service and Maintenance Record

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

SIGNATURE: James K. McLaughlin
FOR REPAIR STATION B2ER144J
TOTAL TIME: 952.4 TACH: 952.4
DATE OF INSPECTION: 3/15/12

8

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					

POPULAR GROVE AIRMOTIVE, INC.
CRS YYBR664L
SUGGESTED BREAK-IN PROCEDURE

After starting the engine, assure a normal warm up, but avoid prolonged ground running. Follow the airframe manufacturer's recommendations for take off power. When possible, reduce power to the climb power setting specified in the operator's manual. Establish a shallow climb angle to insure good air speed for proper cooling. Use more cowl flaps than normal or step climb to help in this process. Adjust mixture per aircraft operating handbook. Excessive heat is the primary cause of cylinder bore glazing. Make every effort to keep your operating temperature well into the green arc.

If the engine is normally aspirated (non-turbocharged) it will be necessary to cruise at a low altitude to obtain the required cruise power levels. We recommend a density altitude less than 5,000 feet to allow the engine to develop sufficient cruise power for a good break-in.

Do not run the engine above 75% power in a cruise setting or the probability of glazing cylinder bores is increased. Glazing cylinder bores required cylinder removal, honing and installing new piston rings. **Poplar Grove Airmotive does not warranty this condition.** Your ability to keep the engine temperature well in the green arc and within a power range of 65% to 75% power will be the key to a successful break in.

Descend at low cruise power while closely monitoring the engine instruments. Avoid long descents at low manifold pressure and rapid descents, as this will cause the engine to cool too rapidly.

There is only one object to be accomplished during the break-in: the stabilization of oil consumption. Record all oil additions and flight hours in such a manner that quart per hours of flight is known. During this portion of the break-in, which could range from 25 to 100 hours, mineral oil **must be** used in the engine. Change oil and inspect filter after approximately 10 hours - then 35 hours - then per your normal schedule, however, do not use AD (ashless dispersant) oil until consumption stabilizes.

ENGINE OIL RECOMMENDATION FOR PISTON RING SEATING

Aeroshell 100
Aeroshell 80
Aeroshell 65
Phillips 20W-50

SAE 50
SAE 40
SAE 30

Above 60 degrees F
30 degrees - 90 degrees F
0 degrees - 70 degrees F

MANUFACTURER: Corbin

AD# DESCRIPTION

88-03-06 oil filter P/N
91-19-03 oil filter
92-04-09 cylinder-rod
93-10-02 cylinder valv
#97-26-17 C crankshaft
00-23-21 crankshaft
02-13-04 C Slick magne
10-11-04 TCM lifters
12-03-06C AFS Fuel S

Poplar Grove Airmotive,
FAA approved repair station

Poplar Grove Airmotive, Inc.
Shop Orders - Inventory Summary
For Shop Order 4961 Only

WO# 4961

Order #	Close Date	Desc #	Part Number	Description	Action Date Wmty?	Quantity	Units
4961	11/11/12	2,000	629935	Plug	9/06/2012	1.00	Each
4961	11/11/12	2,000	MS21919WDG-8	Clamp	9/06/2012	2.00	Each
4961	11/11/12	2,000	MS21919RW	Piston Pins	9/06/2012	2.00	Each
4961	11/11/12	2,000	653143	Piston	9/06/2012	8.00	Each
4961	11/11/12	2,000	SA829004	Ring	9/06/2012	8.00	Each
4961	11/11/12	2,000	654584	Bolt Crank	9/06/2012	4.00	Each
4961	11/11/12	2,000	654586	Screw	9/06/2012	4.00	Each
4961	11/11/12	2,000	MS35756-8	Key	9/06/2012	1.00	Each
4961	11/11/12	2,000	633609-18	Bearing-Needle	9/06/2012	2.00	Each
4961	11/11/12	2,000	655269	Drive Cushion	9/06/2012	4.00	Each
4961	11/11/12	2,000	38025	Washer	9/06/2012	4.00	Each
4961	11/11/12	2,000	AA48108	Oil Filter	9/06/2012	1.00	Each
4961	11/11/12	2,000	641368AC	Needle Bearing, Starter	9/06/2012	1.00	Each
4961	11/11/12	2,000	X13041	Bearing	9/06/2012	1.00	Each
4961	11/11/12	2,000	502287-3	Snap Ring	9/06/2012	1.00	Each
4961	11/11/12	2,000	654732	Gasket	9/06/2012	1.00	Each
4961	11/11/12	2,000	643109	Clutch Spring	9/06/2012	1.00	Each
4961	11/11/12	2,000	501867	Lock Tab	9/06/2012	17.00	Each
4961	11/11/12	2,000	SA627693	Bushing	9/06/2012	24.00	Each
4961	11/11/12	2,000	U674	Spark Plug Gasket	9/06/2012	12.00	Each
4961	11/11/12	2,000	642917-16	Intake Hose	9/06/2012	6.00	Each
4961	11/11/12	3,000	M1767-50	Slick Harness Lead (Pe	9/06/2012	13.00	Fl
4961	11/11/12	2,000	649353-82	Screw	9/06/2012	6.00	Each
4961	11/11/12	2,000	MS16826-3078	Ring	9/17/2012	1.00	Each
4961	11/11/12	2,000	630680AC	Bearing-Starter Adapte	9/17/2012	2.00	Each
4961	11/11/12	4,000	649225	Ring Set	9/17/2012	6.00	Each
4961	11/11/12	2,000	SA837083	Spring	9/20/2012	1.00	Each
4961	11/11/12	2,000	539619	Inner Oil Spring	9/20/2012	1.00	Each
4961	11/11/12	2,000	641533	Seal	9/20/2012	1.00	Each
4961	11/11/12	2,000	20202	Washer	9/20/2012	3.00	Each
4961	11/11/12	2,000	MS21919WDG-8	Clamp	9/21/2012	1.00	Each
4961	11/11/12	2,000	SA24764	Screw	9/21/2012	6.00	Each
4961	11/11/12	2,000	SA832248	Sleeve	9/21/2012	6.00	Each
4961	11/11/12	2,000	535631	Bolt	9/21/2012	1.00	Each
4961	11/11/12	2,000	SA833355	Gasket	9/21/2012	1.00	Each
4961	11/11/12	2,000	642338	Bearing	8/23/2012	12.00	Each
4961	11/11/12	2,000	655959	Rod Bolt	8/23/2012	12.00	Each
4961	11/11/12	2,000	654487	Nut	8/23/2012	12.00	Each
4961	11/11/12	2,000	530917	Seal Crank Shaft	8/23/2012	1.00	Each
4961	11/11/12	2,000	646543A1	Gasket	8/23/2012	1.00	Each
4961	11/11/12	2,000	646597 A1	Main Bearing	9/05/2012	1.00	Each
4961	11/11/12	4,000	402044P003	Stud	9/21/2012	1.00	Each
4961	11/11/12	2,000	658106	Lifter	9/10/2012	12.00	Each
4961	11/11/12	2,000	658320-14	Crankcase	9/10/2012	1.00	Each
4961	11/11/12	2,000	642917-16	Intake Hose	9/11/2012	4.00	Each
4961	11/11/12	2,000	501867	Lock Tab	9/12/2012	8.00	Each
4961	11/11/12	2,000	649264	Induction Pipe	9/12/2012	1.00	Each

W MSB96-10

Date: 9/21/2012

STD STL
**LIMITED MAINTENANCE
RELEASE**

@Groveassy TCM
UNIT NAME MFG. NAME
E 0360ES PGA 4961-1-6
MODEL or P/N SERIAL NO.

The repairs to the aircraft component identified above were accomplished in accordance with current regulations of the FAA. The work was inspected and found airworthy for return to service. Only the labor operations detailed below and on our Work Order are covered by this release.

Pressure checked. Honed bores. Cleaned gas
surfaces. Fit + installed new rings on original
pistons. Replaced FAH manual # X70594A.
Dated 6/92

OWNER: Beshart

WORK ORDER NO. 4961 DATE: 9/18/12

SIGNED FOR:

POPLAR GROVE AIRMOTIVE, INC.

11619 U. S. ROUTE 76
POPLAR GROVE, IL 61065
FAA Approved Repair Station #YYBR664L

and Maintenance Record
Airworthiness Directives, Special Inspections,
Bulletins

S/N 357281
Overhaul. N/A Hours

regulations of the Federal Aviation
Pertinent details of repair are on

Date 9/24/2012

sembled engine with a new crankcase
pair, see attached maintenance release
and functional test. This engine was test
ance Record and Parts List for more

[Signature]
ar Grove Airmotive, Inc.

Installer must cross check eligibility with applicable technical data.

FAA Form 8130-3 (6-01)

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	→				<p>N914D Hobbs; 1032.8 Engine TT; 1032.8 ENGINE</p> <p>Drain engine oil, remove and inspect oil filter. Install new Champion CH48108-1 filter and 7 qts of Phillips 20W50 XC I oil. Clean, gap, and rotate spark plugs. Install overhauled fuel pump P/N R-649368-74A4 S/N B13AA108R. Set up fuel system per Instructions in SIL97-3E.</p> <p>Compression Test: 1)70 2)68 3)67 4)72 5)68 6)68</p> <p>The aircraft and/or 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 station under Service Order No. 60182 Dated: 2/22/13</p> <p>FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020</p> <p>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> TYPE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A.D. SUMMARY TO <u>13-03</u> CHECKED. OPERATIONAL CHECK SATISFACTORY.</p> <p>SIGNATURE: <u>[Signature]</u> FOR REPAIR STATION B2ER144J TOTAL TIME: <u>1032.8</u> TACH: <u>1032.8</u> DATE OF INSPECTION: <u>2/22/13</u></p>
3/5/13	1033	9			<p>Remove fuel pump + replace with R-649368-74A4 S/N B13BA208R. Set fuel pressure 70/100 SIL 97-3E</p> <p><u>[Signature]</u> B2ER144J</p>

Broug

MA
TotalTo
Admin
file at 1Disas
pin 651
tag for
run for
details.Poplar
Poplar G
FAA AppSTD STL
LIMITED MAINTENANCE
RELEASEOshkosh
UNIT NAMEE0360ES
MODEL or PIN

TCM

MFG. NAME

PGA 4961-1-6
SERIAL NO.

The repairs to the aircraft component identified above were accomplished in accordance with current regulations of the FAA. The work was inspected and found airworthy for return to service. Only the labor operations detailed below and on our Work Order are covered by this release.

Pressure checked. Honed bores. Cleaned gear surfaces. Fitted + installed bearings on original pistons. Replaced TCM manual # 1270-5941 dated 6/91.

OWNER: Boshart

WORK ORDER NO. 4961

DATE: 9/18/12

SIGNED FOR:

POPLAR GROVE AIRMOTIVE, INC

11619 U. S. ROUTE 76

POPLAR GROVE, IL 61065

FAA Approved Repair Station #YYBR664L

Cirrus SR20

ENGINE:

Installed repaired engine from Poplar YYBR664L. Continental IO360-ES, S Aircraft Maintenance Manual procedure Bracket 6570-46 with new through-st Bolts per TCM's IO-360 overhaul manual and safety wired. Serviced the mineral oil. Leak check satisfactory. In accordance with TCM Continuous Adjustment Manual STD 97-3E. Set Service Order No. 58090

Signed: *John K. Nease*

FAA Approved Repair Station
Boshart Enterprises and Air
Genesee County Airport Bar

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

Form Title: 8130-3

248434

1 Approving National Aviation
Authority of Country:

1AA United States

4 Organization Name and Address:

Continental Motors, 2039 Broad Street, Mobile, Alabama 36615

5 Work Order/Contract Invoice Number

322281

0000109114

6 Item	7 Description	8 Part Number	9 English	10 Quantity	11 Serial Batch Number	12 Status/Work
1	FUEL PUMP ASSEMBLY	R-649368-74A4	N/A	1	See Block 13	See Box 13

13 Remarks

Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).

Serial Batch Number(s)

Serial
B13AA108R

Description

FUEL PUMP ASSEMBLY

THIS FORM 8130-3 REPLACES FORM 8130-3 WITH FORM TRACKING NUMBER 247132 DATED 1/31/2013

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
☐ Non-approved design data specified in Block 13.

19 ☐ 14 CFR 43.9 return to Service☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 11 the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval Certificate No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

23. Date (m/d/y):

Daniel L. Nicholas

Feb/08/2013

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before aircraft may be flown.

FAA Form 8130-3 (6-01)

* Installer must cross check eligibility with applicable technical data

NSN-0052-00-012-9025

Brou

MA
TotalTY
Admin
file at 1Disas
p/n 65i
tag for
run for
details.Poplar
Poplar G
FAA APPSTD STL
LIMITED MAINTENANCE
RELEASE

Oglethorpe

TCM

UNIT NAME

MFG NAME

50360ES

PCA 4961-1-6

MODEL or P/N

SERIAL NO

The repairs to the aircraft component identified above were accomplished in accordance with current regulations of the FAA. The work was inspected and found airworthy for return to service. Only the labor operations detailed below and on our Work Order are covered by this release.

Pressure checked. Hoses bled. Cleaned gear surfaces. FIC + installed wiring on original pictures. Replaced FIC manual #1705941. dated 6/19/12

OWNER: Boshart

WORK ORDER NO. 4961

DATE: 9/10/12

SIGNED FOR:

POPLAR GROVE AIRMOTIVE, INC.

11619 U. S. ROUTE 76

POPLAR GROVE, IL 61065

FAA Approved Repair Station #YYBR664L

Cirrus SR20

Serial #

ENGINE:

Installed repaired engine from Poplar Grove YYBR664L. Continental IO360-ES, Serial # Bracket 657046 with new through-stud 65 Bolts per TCM's IO-360 overhaul manual, belt and safety wired. Serviced the engine mineral oil. Leak check satisfactory. Set in accordance with TCM Continuous Flow Adjustment Manual STD 97-3E. Set idle speed. Service Order No. 58090 Dated:

Signed: James K. Neenan

FAA Approved Repair Station No.
Boshart Enterprises and Aircraft
Genesee County Airport Batavia,

Maintenance Record

Work Instructions, Special Inspections,
Methods

V 357281

Overhaul: N/A Hours

ions of the Federal Aviation
ent details of repair are on

AUTHORIZED RELEASE CERTIFICATE

FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

252519

1. Approving National Aviation
Authority/Country:

FAA/United States

4. Organization Name and Address:

Continental Motors, 2039 Broad Street, Mobile, Alabama 36615

PC #508

5. Work Order/Contract/Invoice Number

326566

0000111236

6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	FUEL PUMP ASSEMBLY	R-649368-74A4	N/A	1	See Block 13	See Box 13

13. Remarks:

Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).

Serial/Batch Number(s):

Serial
B13BA208R

Description

FUEL PUMP ASSEN

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 returns to Service☒ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:

21. Approval/Certificate No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):

23. Date (m/d/y):

Daniel L. Nicholas

Feb/28/2013

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before aircraft may be flown.

FAA Form 8130-3 (6-01)

* Installer must cross check eligibility with applicable technical data

NSN-0052-00-012-9005

1. Approving National Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 263059	
4. Organization Name and Address Continental Motors, 2039 Broad Street, Mobile, Alabama 36615						5. Work Order/Contract/Invoice Number 335246 0000115221	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	FUEL PUMP ASSEMBLY	R-649368-74A4	N/A	1	See Block 13	See Box 13	
13. Remarks Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).							

1. Approving National Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number 263058	
4. Organization Name and Address Continental Motors, 2039 Broad Street, Mobile, Alabama 36615						5. Work Order/Contract/Invoice Number 335246 0000115221	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	GSKT-FUEL PMP ADPT TO CRK	653747	N/A	1	N/A	New	
13. Remarks AIRWORTHINESS APPROVAL							
14. Certifies the items identified above were manufactured in conformity to <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			19. <input type="checkbox"/> 14 CFR 43.9 return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature <i>Daniel L. Nicholas</i>		16. Approval/Authorization No. DMIR-511010-CE		20. Authorized Signature		21. Approval/Certificate No.	
17. Name (Typed or Printed) Daniel L. Nicholas		18. Date (m/d/y) Apr/24/2013		22. Name (Typed or Printed)		23. Date (m/d/y)	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.							
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.							
Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before aircraft may be flown.							

Engine Service and Maintenance Record

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

S/N 1104	TT	Hrs Hobbs	Hrs
S/N	TT	Hrs Hobbs	Hrs
S/N	TT	Hrs Hobbs	Hrs

ads and plugs, installed replacement copper gaskets on spark plugs and wiring. Checked landing light connector for security and operation, found ved spark plugs found satisfactory.

OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE A AND IS APPROVED FOR RETURN TO SERVICE.

AVIATION RESOURCES, LLC
101 Airport Ave Hangar 7
Cumberland, WI 54829
www.aviationvibes.com

W9130 Hobbs; 1072.5
ENGINE
Drain engine oil, remove and inspect oil filter. Install new Champion CH48108-1 and 7 qts of Phillips 20W50 X/C 1 oil.

The aircraft and/or 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 station under Service Order No. 60398 Dated: 8/8/13

W. J. Boshart
FAA Approved Repair Station No. 82ER1443
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

W9140 Hobbs; 1072.6
ENGINE
Drain engine oil, remove and inspect oil filter. Install new Champion CH48108-1 filter and 7 qts Phillips 20W50 X/C 1 oil. Remove propeller, clean flange and replace prop seal P/N C3317-228. Reinstall propeller, test run and leak check satisfactory.

The aircraft and/or 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 station under Service Order No. 60398 Dated: 8/9/13

W. J. Boshart
FAA Approved Repair Station No. 82ER1443
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

1. Approving National Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number 263059							
4. Organization Name and Address Continental Motors, 2039 Broad Street, Mobile, Alabama 36615				5. Work Order/Contract Invoice Number 335246 0000115221								
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work						
1	FUEL PUMP ASSEMBLY	R-649368-74A4	N/A	1	See Block 13	See Box 13						
13. Remarks Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).												
<table border="0"> <tr> <td>Serial/Batch Number(s)</td> <td>Description</td> <td>Accession</td> </tr> <tr> <td>Serial B13DA023R</td> <td>FUEL PUMP ASSEMBLY</td> <td>APR 2013</td> </tr> </table>							Serial/Batch Number(s)	Description	Accession	Serial B13DA023R	FUEL PUMP ASSEMBLY	APR 2013
Serial/Batch Number(s)	Description	Accession										
Serial B13DA023R	FUEL PUMP ASSEMBLY	APR 2013										
15. Authorized Signature		16. Approval Authorization No.		19. <input type="checkbox"/> 14 CFR 43.9 return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13								
17. Name (Typed or Printed)		20. Authorized Signature Daniel L. Nicholas		21. Approval Certificate No. PC #508								
22. Name (Typed or Printed) Daniel L. Nicholas		23. Date (m/d/y) Apr/24/2013		24. Date (m/d/y)								
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before aircraft may be flown.												

AN
R-649368-74A4
APR 2013
PURGE
B13DA023R

Engine Service and Maintenance Record

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

S/N	TT	Hrs	Hobbs	Hrs
1104	TT	Hrs	Hobbs	Hrs
S/N	TT	Hrs	Hobbs	Hrs

ads and plugs, installed replacement copper gaskets on spark plugs and wing. Checked landing light connector for security and operation, found wed spark plugs found satisfactory.

OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED IN ACCORDANCE A AND IS APPROVED FOR RETURN TO SERVICE.

AVIATION RESOURCES, LLC
101 Airport Ave Hangar 7
Camden, WI 54829
www.aviationresources.com

W913D Hobbs; 1072.5
ENGINE
Drain engine oil, remove and inspect oil filter. Install new Champion CH48106-1 and 7 qts of Phillips 20W50 X/C 1 oil.

The aircraft and/or 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 station under Service Order No. 60398. Dated: 8/8/13

FAA Approved Repair Station No. B2ER1443
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

W914D Hobbs; 1072.6
ENGINE
Drain engine oil, remove and inspect oil filter. Install new Champion CH48106-1 filter and 7 qts Phillips 20W50 X/C 1 oil. Remove propeller, fan flange and replace prop seal P/N C3317-228. Reinstall propeller, test run and leak check satisfactory.

The aircraft and/or 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 station under Service Order No. 60398. Dated: 8/9/13

FAA Approved Repair Station No. B2ER1443
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

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					
9/12/13					

N914D Hobbs; 1074.9
ENGINE
 Remove propeller, clean flange area. Replace prop seal and torque prop mounting bolts.

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					
6/5/14	1124	0			

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 339025	
4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615				5. Work Order/Contract/Invoice Number: 403397 0000146469		
6. Item:	7. Description	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FUEL PUMP ASSEMBLY	R-649368-74A4	1	See Block 12	See Block 12	
12. Remarks: Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).						
<div style="display: flex; justify-content: space-between;"> <div> Serial/Item Number(s): Serial B14EA149R </div> <div> Description FUEL PUMP ASSEM </div> </div> <div style="text-align: center; margin-top: 20px;"> </div> <div style="margin-top: 20px;"> <i>airbus 5120</i> <i>914B</i> </div>						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: <i>Daniel L. Nicholas</i>		
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14c. Approval/Certificate No.: PC #508		
				14d. Name (Typed or Printed): Daniel L. Nicholas		
				14e. Date (dd/mm/yyyy): 28/May/2014		
User/Installer Responsibilities						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						

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 → 9/12 **N914D Hobbs; 1074.9 ENGINE**

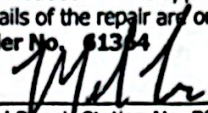

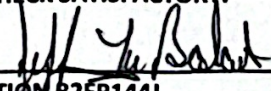
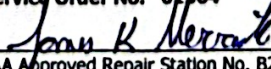
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 339025	
4. Organization Name and Address Continental Motors, Inc. 2039 Broad Street, Mobile, Alabama 36615						5. Work Order/Contract/Invoice Number: 403397 0000146469	
6. Item: 1	7. Description FUEL PUMP ASSEMBLY	8. Part Number: R-649368-74A4	9. Quantity: 1	10. Serial Number: See Block 12	11. Status/Work: See Block 12		
12. Remarks: Rebuilt to Original PAH's Specifications in accordance with 14 CFR §43.3(j).							
<div style="display: flex; justify-content: space-between;"> <div> Serial/ Batch Number(s): Serial B14EA149R Description FUEL PUMP ASSEM </div> <div style="border: 2px solid blue; padding: 10px; text-align: center;"> Item #: R-649368-74A4 Serial # B14EA149R Shp Ord #: 220532 Manf. Date: <u>MAY</u> 2014 PURGE! </div> </div>							
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature: <i>Daniel L. Nicholas</i>		14c. Approval/Certificate No.: PC #508	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): Daniel L. Nicholas		14e. Date (dd/mm/yyyy): 28/May/2014	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

FAA Form 8130-3 (02-14)

NSN-0052-00-012-9003

FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

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	→				N914D Hobbs; 1239.0 ENGINE Use a calibrated fuel pressure gauge to test pressure from idle to full throttle. Full throttle psi found to be 20 psi. Adjust to 22 psi IAW TCM Overhaul Manual. Operational check satisfactory. The aircraft and/or 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 station under Service Order No. 61344 Dated: 11-12-15  FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020
11/12/15					
3/16/16			3/16/16		N914D Engine Hobbs; 1248.6 TT: 1248.6 Drain oil, inspect filter, install new AA48108 filter and 7qts. Of Phillips 20w50 oil. Clean, gap and rotate spark plugs. Remove and clean #1, 3 and 5 cylinder fuel nozzles. Remove #1 intake pipe to inspect for leakage. Install gauges and adjust fuel pressure per instructions in SID97-3F. Check magneto timing. Comp. reads; 1)60 2)56 3)54 4)56 5)57 6)62 The aircraft and/or 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 station under Service Order No. 61465 Dated: 3-16-16  FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020 I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>AD2001</u> TYPE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A.D. SUMMARY TO <u>16-04</u> CHECKED. OPERATIONAL CHECK SATISFACTORY. SIGNATURE:  FOR REPAIR STATION B2ER144J TOTAL TIME: <u>1248.6</u> TACH: <u>HOBBS; 1248.6</u> DATE OF INSPECTION: <u>3/16/16</u>
4/14/16					N914D Hobbs; 1252.9 ENGINE Remove #4 and #5 fuel injection nozzles and clean. Reinstall and torque to 55 in lbs. Leak check fuel lines and torque strip fuel line B nut. Check #2 and #4 EGT. No defects noted. The aircraft and/or 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 station under Service Order No. 61504 Dated: 4/14/16  FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020

Engine Service and Maintenance Record

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

8-5-16 N9140 TTAF 1273.7

Installed overhauled fuel pump
P/N 649368-74A4 S/N B16EA206.
Set up fuel system IAW TCM SID97-3F

— END — w/o 61632

CIS # BZER1445

Item #: 649368-74A4

Serial # B16EA206

Ship Ord #: 317336

anf. Date:

JUN 20 2016

PURSED

09/28/16 **N914D** **Sirrus** SR20; s/n 1104; 1292.2 Tach. Remove & replace starter; p/n off C24ST3; p/n on C24ST3; s/n off 4C3-320813; s/n on 4C3-49152. Ops checked OK.

Chris Cunningham A&P30386384IA

FAA - PMA

This tag certifies that Sky-Tec Model No. C24ST3

Serial No. **4C3-491502** was manufactured new on 07 Dec 2015

by Sky-Tec under the authority of FAA-PMA No. PQ0852SW

Supplement No. 8 in accordance with Sky-Tec's

FAA-Approved Quality System (14CFR Part 21, Subpart K).

This article has been determined to be airworthy.

For installation eligibility see www.skytecair.com/eligibility.htm

Installed on N 914D
(Aircraft)

by Onis E
(Mechanic)

Date: 10/27/16 Tach/Hobbs: 1300.6

Drain engine oil, removed oil FILTER and inspect.

Install 7 qts. of Phillips 20W50. Installed new oil filter P/N AA48108. Run up and leaked check filter and check oil level.

Service Order No. 61758

Date: 10/27/16

FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

Date	Total Time		Time Since Last Overhaul		
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
3/10/17					Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins N914D Hobbs: 1314.7 TT: 1314.7 ENGINE Drained engine oil, cut open and inspect oil filter. Install Tempest AA48108-2 filter. Service engine with 7 qts Phillips 20W50 oil. CAV AD 2008-11-18 Exhaust System Pressurization per visual inspection IAW Cirrus SB 2x-78-07R1. Cleaned, gapped and rotated spark plugs. Install new BA24 filter element. Checked magneto to engine timing. Lubricated all controls, checked for operation. 1) 68 2) 66 3) 62 4) 68 5) 67 6) 68 Master Orifice: 44 Service Order No. 61868 Date 3/10/2017 Jeff L. Boshart FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020 I CERTIFY THAT THIS <u>Aircraft</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> TYPE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A.D. SUMMARY TO <u>17-4</u> CHECKED. OPERATIONAL CHECK SATISFACTORY. SIGNATURE: <u>Jeff L. Boshart</u> FOR REPAIR STATION B2ER144J TOTAL TIME: <u>1314.7</u> TACH: <u>14088, 1314.7</u> DATE OF INSPECTION: <u>3/10/17</u>
3/10/17					N914D Hobbs: 1314.7 TT: 1314.7 PROPELLER Dressed propeller blades, inspect hub, spinner, forward and aft bulkheads. Lubricated propeller hub with Aeroshell #6 grease. Service Order No. 61868 Date 3/10/2017 Jeff L. Boshart FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020 I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> TYPE INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. A.D. SUMMARY TO <u>17-04</u> CHECKED. OPERATIONAL CHECK SATISFACTORY. SIGNATURE: <u>Jeff L. Boshart</u> FOR REPAIR STATION B2ER144J TOTAL TIME: <u>1314.7</u> TACH: <u>1314.7</u> DATE OF INSPECTION: <u>3/10/17</u>
5-11-17					N914D TACH 1322.2 Remove baffle by oil cooler. Repair oil temp wire by installation of new terminal lead on wire. Reinstall baffling and secure wire in back of engine with zip ties. The aircraft and/or 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 station under Service Order No. 61929 Dated: 05/11/17 John R. Merrick FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020

[illegible]

Colonial Air, Inc.
1605 Airport Road
New Bedford, MA 02746

Invoice

DATE	INVOICE #
9/28/2016	13460

BILL TO
Matt Souza

N NUMBER		MAKE/MODEL	TERMS	SERIAL #	TACH/HO8BS
N914D		Sirius SR20		1104	1292.2

QUANT...	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
2	Labor	Starter inop Remove & replace starter p/n off C24ST3 p/n on C24ST3 s/n off 4C3-320813 s/n on 4C3-491502	90.00	180.00
1	C24ST3	Starter, Sky-Tec	719.00	719.00
	Shipping & ha...	Shipping & handling - inbound shipping	43.80	43.80
		MA Sales Tax	6.25%	0.00
			Total	\$942.80

Please pay from this invoice. Balances over 30 days subject to finance charge of 1.5%		Phone # 508-997-0620	E-mail colonialair@comcast.net	Web Site www.colonial-air.com
--	--	--------------------------------	--	---

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 →					
12/21/17					Date: 12/21/17 Tach/Hobbs: 1372.5 Drain engine oil, removed oil <u>filter</u> and inspect. Install <u>7</u> qts. of <u>Phillips 20W50</u> . Installed new oil filter P/N <u>AM48108-2</u> . Run up and leaked check filter and check oil level. Service Order No. <u>62170</u> Date: 12/21/17 <u>Jeff The Boshart</u> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020
3/16/2018					

N914D
Tach: 1379.8; Engine TT: 1379.8;
ENGINE

C/W AD 2008-11-18 Exhaust Heat Exchanger per SB 2x-78-07R1.
Next due 3/2019 @ 1479.8 ACTT.
Cleaned, gapped and rotated spark plugs. Checked magneto to engine timing.
Retorqued all intake tube hose clamps. Installed new BA24 induction air filter.
Lubricated all engine controls, and checked operation and travels.

Compression Check: 1)70 2)60 3)62 4)60 5)65 6)68 MO: 42

Service Order No. 62220 Date 3/16/2018
Jose A. Boshart
 FAA Approved Repair Station No. B2ER144J
 Boshart Enterprises and Aircraft Services, Inc.
 Genesee County Airport Batavia, N.Y. 14020

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED
 IN ACCORDANCE WITH AN ANNUAL TYPE INSPECTION
 AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 A.D. SUMMARY TO 2018-05 CHECKED.
 OPERATIONAL CHECK SATISFACTORY.

SIGNATURE: James K. Merriell
 FOR REPAIR STATION B2ER144J
 TOTAL TIME: 1379.8 TACH: 1379.8
 DATE OF INSPECTION: 3/16/18

N914D
Hobbs: 1379.8; Prop TT: 1379.8;
PROPELLER

Dressed propeller blades, inspected blades, hub, aft bulkhead and spinner.
Lubricated propeller hub with Aeroshell #8 grease.

Service Order No. 62220 Date 3/16/2018
Jose A. Boshart
 FAA Approved Repair Station No. B2ER144J
 Boshart Enterprises and Aircraft Services, Inc.
 Genesee County Airport Batavia, N.Y. 14020

I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED
 IN ACCORDANCE WITH AN ANNUAL TYPE INSPECTION
 AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
 A.D. SUMMARY TO 2018-05 CHECKED.
 OPERATIONAL CHECK SATISFACTORY.

SIGNATURE: James K. Merriell
 FOR REPAIR STATION B2ER144J
 TOTAL TIME: 1379.8 TACH: 1379.8
 DATE OF INSPECTION: 3/16/18

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 →					
6/28/18					Date: 6/28/18 Tech/Hobbs: 1397.3 Drain engine oil, removed oil Filter and inspect. Install 7 qts. of Phillips 20W50. Installed new oil filter P/N AA48108-1. Run up and leaked check filter and check oil level. Service Order No 62328 Date: 6/28/18 <i>James K. Merz</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020
3/13/19					3/13/19 Hobbs; 1432.2 TT; 1432.9 N914D Engine Drain oil, remove and inspect filter. Install new AA48110-2 filter and 11qts 20w50 Phillips oil. Clean and gap spark plugs. Replace induction air filter p/n BA-24. Compression reads: 1)60 2)64 3)66 4)64 5)64 6)65 MO=43 I certify that this engine has been inspected in accordance with an annual type inspection and was found to be in airworthy condition. AD summary checked thru 19-05 The aircraft and/or 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 station under Service Order No. 62564 Dated: 3-13-19 <i>James K. Merz</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020
2/25/20					N914D HOBBS: 1475.7 ENG TT: 1475.7 ENGINE Drain engine oil, remove oil filter and inspected. Took oil sample and sent to Blackstone. Installed new oil filter P/N: AA48108-2 and 7 quarts of Phillips 20W50. Perform 500 hour inspection on both magnetos. All coil and Condenser values are within limits. Installed new point set P/N: A-13081, carbon brush P/N: AM-3215. Reinstalled magnetos with new gaskets and set engine timing to 24° B,T,D,C. Installed new engine air filter P/N: BA24. Remove and clean fuel injection nozzles. Reinstalled nozzles and torqued to 60 in/lbs. C/W AD2011-26-07 Migration of the Magneto Impulse Coupling Stop Pin. N/A per magnetos S/N. compression check readings: 1/60 2/62 3/63 4/60 5/64 6/60. Master orifice reading is 42. I certify that this aircraft has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked thru 20-03 The aircraft and/or 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 station under Service Order No. 62905 Dated: 2/25/20 <i>James K. Merz</i> FAA Approved Repair Station No. B2ER144J Boshart Enterprises and Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020

[illegible]

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

N914D HOBBS: 1475.7 PROPELLER TT: 1475.7
PROPELLER

Dressed propeller blades, inspected propeller complete assembly
For defects.

I certify that this aircraft has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked thru 20-03

The aircraft and/or 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 station under **Service Order No. 62955** **Date: 2/25/20**

FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

N914D Hobbs; 1497.0 TT; 1497.0 ENGINE
 Drain engine oil, remove and inspect filter. Take oil sample for analysis.
 Install a new Tempest AA48108-2 filter and service with 7 qts Phillips
 20W50 oil. Install a new engine hose kit for oil and fuel.
 Install a new BA-24 engine air filter.
 C/W AD2008-11-18 exhaust system inspection per para (C).
 Repair broken ignition wire shielding on #2 lower spark plug.
 Compression Test: 1364 2360 3362 4372 5368 6370 MO-42

I certify that this engine has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked thru 2021-05

The aircraft and/or 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 station under **Service Order No. 63272/** **Dated: 3-10-2021**

FAA Approved Repair Station No. B2ER144]
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

**N914D Hobbs: 1530.3; Engine TT: 1530.3;
ENGINE**

Drain engine oil, cut open and inspect oil filter. Installed new Tempest AA48108 oil filter and safety wire. Service engine with 7qts Phillips 20W50 oil. Checked magneto to engine timing. Cleaned, gapped and rotated spark plugs. Installed new BA24 induction air filter.

Compressions: 1) 56 2) 58 3) 68 4) 52 5) 72 6) 59
Master Orifice Reading: 42

I certify that this engine has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked through 2022-06.

Service Order No. 63691

Date 3/15/2022

FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020

Date: 03/28/2023
Hobbs: 1567.8 ETT: 1567.8

N914D

Engine
S/N: 357281

Performed Engine Annual Inspection. Researched ADs through 03-28-2023. AD's 2023-05-16 & 2023-04-08 are N/A by crankshaft S/N & assembly date. C/W AD 2008-11-18, exhaust leak inspection, nothing noted at this time, next due: Mar 2024 or 1667.8. Compressions: #1-58/80, #2-58/80, #3-64/80, #4-52/80, #5-64/80, #6-56/80 & MO-36. Performed oil and filter change, inspected filter nothing noted at this time, added 8 qts Phillips 20W50X/C & AA48108-2 filter. Replaced #2, 3 & 5 pushrod seals & rocker gaskets with new.

I certify the engine identified above was inspected in accordance with an annual type inspection, as required by FAR 91.409(f)(1), found to be airworthy, and is approved for return to service with respect to the work performed. Pertinent details of the work performed are on file at this repair station under Service Order #64192.

FAA Approved Repair Station No. B2ER144J

Boshart Enterprises & Aircraft Services, Inc. Genesee County Airport Batavia, N.Y. 14020

Service and Maintenance Record

Inspections, Airworthiness Directives, Special Inspections,
and Service Bulletins

N914D Hobbs: 1651.4; Engine TT: 1651.4;
ENGINE

Drained engine oil, cut open and inspected oil filter. Installed new Tempest AA48108-2 oil filter and safety wire. Serviced engine with 7qts Phillips 20W50. Lubricated and checked engine control travels and operation. Checked magneto to engine timing. Boroscoped cylinders. Cleaned, gapped and rotated spark plugs.

Compressions: 1) 60 2) 45 3) 61 4) 53 5) 65 6) 61
Master Orifice: 42

I certify that this engine has been inspected I/A/W an annual type inspection and was found to be in airworthy condition. AD summary checked through 2025-07.

Service Order No. 64936

Date 4/15/2025

FAA Approved Repair Station No. B2ER144J
Boshart Enterprises and Aircraft Services, Inc.
Genesee County Airport Batavia, N.Y. 14020