

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

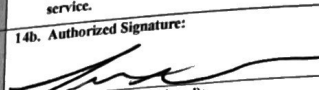
DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Page No
DATE

TOTAL TIME IN SERVICE
TOTAL TIME SINCE OVERHAUL

TOTAL OR REF. HOURING MEASUREMENT

TOTALS brought forward from previous page

1. Approving (Job Aviation Authority) Country FAA United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: Invoice # 10186
4. Organization Name and Address: Signature Engines Inc., 4760 Airport Road, Cincinnati, Ohio 45226		9. Quantity: 1		10. Serial Number: 689056	5. Work Order/Contract/Invoice Number: E7372
6. Item	7. Description	8. Part Number:	11. Status/Work: Overhauled		
1	Continental Motors Engine	IO-550-N			
12. Remarks: THIS ENGINE HAS BEEN OVERHAULED IN ACCORDANCE WITH THE APPLICABLE CONTINENTAL MOTORS MANUALS. A LIST OF ALL PARTS, F.A.A. AIRWORTHINESS DIRECTIVES AND MANUFACTURER'S SERVICE BULLETINS COMPLIED WITH ARE A PART OF THESE RECORDS. ALL PARTS HAVE BEEN INSPECTED AND HAVE BEEN DETERMINED AIRWORTHY TO RETURN TO SERVICE. ENGINE TEST RUN PER OVERHAUL MANUAL. TEST SHEET FURNISHED. THIS ENGINE IS AIRWORTHY FOR RETURNED TO SERVICE. PARTS AND ACCESSORIES REPLACED: 6 New Factory Steel Cylinders 2 Overhauled Customer Supplied Bendix Magnets 1 New Harness 1 Overhauled Fuel Injection 1 New Set of Spark Plugs 1 Overhauled Alternator T.T.S.N.: 1342.1 Hours T.T.S.M.O.H.: 0.0 Hours					
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input 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: 	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14c. Approval/Certificate No.: E5ZR316Y	
				14d. Name (Typed or Printed): Terrence McRoberts, Inspector	
				14e. Date (dd/mmm/yyyy): 06/Nov/2017	

FAA Form 8130-3 (02-14)

513-871-9966

Lone Mountain Aircraft Maintenance
ENGINE MODEL
ENGINE S/N
REG NO N927WA
WORK ORDER
1600-09-2017
2460 Greentree Road
Hangar 12
Lebanon, Ohio 45036
Phone: 888-566-3686
DATE: 11/21/2017
A/C TSN:
ENG TT:
HOBBS: 1342.1

Engine Entries
(2) Complied with the Engine Annual Inspection in accordance with the Manufacturers Maintenance Manual. Installed new spark plugs. Removed and replaced ignition leads. Serviced Engine oil and filter. Serviced engine with Aeroshell 20W50 mineral oil. Engine was removed for Overhaul and reinstalled at this annual inspection.... (4) Reinstalled Engine S/N 689056 after completion of overhaul. Engine was Overhauled at 1342.1 hrs. Engine was ran for leak checks with no defects noted.... (7) Removed and replaced #5 EGT probe.... (39) Installed overhauled #2 alternator S/N 100576X.... (40) Installed overhauled prop governor S/N 00486.

This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END

DATE: 11/21/2017 SIGNED:  Work Order: 1600-09-2017
Ryan Yenger, IA 3669633 Printed by EBIS 3 (datcomedia.com)

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TOTALS-Carry forward to next page

DATE

TOTAL TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

ENGINE MODEL
ENGINE S/N
REG NO N927WA
WORK ORDER
1632-12-2017

Lone Mountain Aircraft Maintenance
2460 Greentree Road
Hangar 12
Lebanon, Ohio 45036
Phone 888-566-3686

DATE 12/21/2017
A/C TSN
ENG TT
HOBBS 1367 1

Engine Entries

(6) Drained oil and replaced with 7 quarts of Phillips 20W-50XC. Removed old filter, opened and inspected pleats for foreign material, no defects noted at this time. Installed and safetied Tempest oil filter P/N AA48108-2. Performed engine run for leak check, no leaks noted.

DATE: 12/21/2017

SIGNED:

Ryan Yenger, IA 3689633

Work Order: 1632-12-2017

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ENGINE MODEL IO-550-N
ENGINE S/N 689056
REG NO N927WA
WORK ORDER
30622-02-2018

Commander Aero, Inc.
Repair Station No GA5R-876M
10570 Springboro Pike
Miamisburg, Ohio 45342 USA
Phone 888-881 5580

DATE 2/16/2018
A/C TSN 1367 6
ENG TT 1367 6
TSMOH 25 5
FLIGHTTIME 1367 6

Engine Entries

(2) Completed Prebuy Inspection IAW Cirrus Certified SR2X Prebuy Checklist Rev.1. Removed and inspected oil filter, no defects noted. Installed new AA48108-2 filter. Details on file WO#30622.

Maintenance Release

The aircraft and/or component(s) on N927WA was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this repair station under Work Order No. 30622-02-2018

DATE: 2/16/2018

SIGNED:

Justin Sparks
Certified Repair Station No GA5R-876M

Work Order: 30622-02-2018

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Date: 14-Jan-19 Hobbs: 1433.8 AC TT: 1433.8
N927WA CIRRUS SR22 S/N 1807
Eng: Continental, Model: IO-550-N,
S/N #: 689056, Eng TT: 91.7

(1) Accomplished mag timing check no defects noted.... (2) Re-torqued all 6 CHT probes. Ops check good on ground engine run.... (3) Cleaned, gapped and reinstalled spark plugs. Operational check good on ground engine run.... (4) Cleaned and reinstalled fuel injectors no defects noted. Leak check good on ground engine run... (5) Accomplished AD search.... (6) Accomplished engine oil and filter change. Accomplished visual inspection of oil filter no metallic debris noted. Sample was taken for analysis. Engine leak check good. (7) Removed and replaced cam cover seal. Leak check good on ground engine run.... (8) Compressions as follows 1 76/80; 2 79/80; 3 75/80; 4 78/80; 5 78/80; 6 76/80... (9) Removed and replaced Bracket air filter. Note part number BA-111.... I certify engine was inspected in accordance with Annual inspection and found to be in airworthy condition.

Justin D. Covalt
Justin D. Covalt, A&P#3364683IA

SUB-TOTALS this page

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DA

ENGINE MODEL 10550 N
ENGINE S/N 889056
REG NO R27WA
WORK ORDER
0338-01-2020

AVIONAERO

Aviation Services Unlimited Inc
Hangar 3 - Wiley Post Airport
7200 Millionaire Dr
Bethany OK 73008
Phone 405-787-3111

DATE 2/21/2020
A/C TSN 1511.3
ENG TT
TSMOH 169.2
HOBBS 1511.3

DRK

Engine Entries

(2) Performed compression test for each cylinder: 1) 69/80 3) 72/80 5) 73/80 2) 71/80 4) 72/80 6) 69/80 Drained oil. Took oil sample. Changed oil filter P/N CH48108-1. Cut old oil filter open to search for metallic particles; no metallic particles were noted. Serviced engine with 7 quarts PHILLIPS XC SAE 20W-50 engine oil. Performed leak check on exhaust; no leaks were noted. Cleaned fuel strainer bowl and screen. Serviced spark plugs. Installed spiral wrap on prop control cable to prevent from chafing against engine mount. Applied silicone to prevent mixture control from rubbing on fuel line. Applied RTV-106 ADHESIVE at EGT and CHT probe springs as needed to prevent EGT and CHT wires from chafing. Applied ADHESIVE at #2 fuel injector line to prevent line from rubbing oil breather hose. Performed lubrication procedures for engine controls in engine compartment. Performed mag/engine timing check; spark advance was 22 degrees BTDC. Accomplished a 100-hour engine inspection utilizing 14 CFR Appendix (D) in scope and detail to inspect this engine. (31) Complied with SBX-71-33 and Continental Motors MSB18-08B by modifying the cylinder head radius corner as shown in MSB18-08B figure 4. Applied Iodine to the modified area and rinsed with water. (32) Complied with SBX-71-12R2 by checking for cracks in induction duct. No cracks were found. (39) Complied with SB2X-05-02 by replacing bolt P/N AN3-34. (41) Replaced air filter P/N BA-24.

Technicians Who Worked On The Items Listed Above
Joshua Linzey, Josiah Linzey, Justin Covatt

I certify a 100-hour inspection has been performed in accordance with the aircraft manufacturer's inspection program and has been found to be in airworthy condition.

DATE 2/21/2020

SIGNED:

Work Order: 0338-01-2020

Justin Covatt, IA 3354683

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WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 05-26-2020
Work Order: S9095
N927WA S/N 1807
Hobbs Meter: 1515.9

ENGINE LOG



Completed aircraft prebuy evaluation. Completed review of AD & SB listings. Compressions #1 74/80, #2 74/80, #3 72/80, #4 74/80, #5 74/80, #6 74/80 with M/O 45/80. Removed filter and cut to inspected, nothing noted at this time with only 9 hours on filter. Installed new filter P/N # AA48108-2 and 1 make up oil quart Phillips XC20W50. Removed ISKRA Starter P/N 656181B24V, S/N 103 and installed "as removed" P/N Energizer 646275, S/N HW-251803 and updated W&B for POH. Work was performed with ref. to applicable sections of CDC SR22/22T AMM P/N 13773-001 Rev. B8.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature

Joseph Scudder / CRS Release Authority

ENGINE MODEL:
ENGINE S/N
REG NO N927WA
WORK ORDER
5468-07-2020



Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone: 641-628-9393

DATE: 7/24/2020
A/C TSN: 1574.2
ENG TT: 55.7
HOBBS: 1574.2

Engine Entries

(1) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

DATE: 7/24/2020

SIGNED:

Work Order: 5468-07-2020

Kurtis Doty, A&P: 4113272

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ENGINE MODEL:
ENGINE S/N
REG NO N927WA
WORK ORDER
5523-09-2020



Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone: 641-628-9393

DATE: 9/2/2020
A/C TSN: 1585.3
ENG TT: 66.8
HOBBS: 1585.3

Engine Entries

(3) Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6.

DATE: 9/2/2020

SIGNED:

Work Order: 5523-09-2020

Wm. Haven Hick, IA: 3428785

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ENGINE MODEL
10-550-N27B
ENGINE S/N 689056
REG NO N927WA
WORK ORDER
5794-03 2021

Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone 641-628-9393

DATE 4/7/2021
A/C TSN 1593 9
ENG TT 243 2
TSMOH 243 2
HOBBS 1593 9

DATE

Engine Entries

(2) Annual Inspection Compression check #1 74/80, #2 72/80, #3 75/80, #4 77/80, #5 77/80, #6 75/80 Checked magneto to engine timing. Inspected intake and exhaust systems. Cleaned all fuel injectors and reinstalled with new seals. Cleaned, gapped and rotated spark plugs and reinstalled with new M-674 gaskets. Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6. Checked all applicable AD's and updated list in aircraft records. AD 2020-16-11 has been previously complied with in accordance with SB2X-71-33 and MSB 18-08B no further action is required. (4) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time. (7) Installed Tanis Engine Heater P/N TSP6CYL-2927-115, Serial no. 56148 in accordance with STC# SE03309CH, Drawing No. 02927-115, and Tanis Preheat Installation Instruction (Document No: TNP2927, Rev. G dated April 12, 2019). Instructions for Continued Airworthiness Document #TCA1000 Rev. B dated Aug-10-2020 placed with the aircraft records. Operating Guide Document # TPG0001 Rev. E dated Oct-29-2020 placed with aircraft POH. Weight and Balance updated. FAA Form 337 filed this date. Performed operational check of Engine Pre-heater and found to be working properly.

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

DATE: 4/7/2021

SIGNED: *Shane Vande Voort*

Work Order: 5794-03-2021

Shane Vande Voort, IA: 3362480

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DRK

5-19-21 Hobbs 1655.3 Removed All Mag. Installed new points 10-352504.
Replaced defective capacitor. set internal timing. Mag re-
installed on engine to 22° BTC.
R. Craig Frisby 2688769 A&P

5-25-21 Hobbs 1675.6 Oil changed with 7 qts. Phillips 20W50.
Installed new oil filter. R. Craig Frisby 2688769 A&P

ENGINE MODEL:
10-550-N27B
ENGINE S/N 689056
REG NO N927WA
WORK ORDER:
5994-07-2021

Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone: 641-628-9393

DATE 7/8/2021
A/C TSN: 1716 5
ENG TT: 1716 5
TSMOH: 374 4
HOBBS: 1716 5

Engine Entries

(1) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips X/C 20/50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

DATE: 7/8/2021

SIGNED: *Kevin Creamer*

Work Order: 5994-07-2021

Kevin Creamer, A&P: 4340508

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Date: 10/28/2021
N927WA
Model: SR22

Hobbs: 1777.8
Make: Cirrus
S/N: 1807

Signature
FLIGHT SUPPORT
A BBA Aviation company

9430 Shepard Ct., SW
Cedar Rapids, IA 52404

Engine Log Entry

1. Drained oil and installed 8 quarts of Phillips 20W50 X/C oil.
2. Inspected old oil filter, checked good. Installed new oil filter P/N CH48108-1.
Ops check and leak check good.

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

W.O # 21-106480 Date: 10/28/2021 Signed: *Jose Torres*

Jose Torres A&P 2813665 Signature Flight Support,

ENGINE MODEL
IO 550 N27B
ENGINE S/N 689056
REG NO N927WA
WORK ORDER
6242-11-2021



Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone 641-628-9393

DATE 11/26/2021
A/C TSN 1784 5
ENG TT 1784 5
TSMOH 442 4
HOBS 1784 5

DATE

Engine Entries

(1) Removed starter adapter P/N 642083A12 S/N 100417 Installed overhauled starter adapter P/N 642083A12 S/N QAA82680 from Quality Aircraft Accessories Inc. See their work order# 082680 Reinstalled same Starter with new o-ring P/N AS3578-038 Performed operational and leak check, no issues found at this time ... (3) Removed left magneto removed old gasket and cleaned magneto flange and engine case Reinstalled left magneto with new gasket P/N- 649954 Ran engine to check for leaks with no leaks noted at this time (7) Checked and set left and right magneto timing. Removed cleaned gaped and rotated spark plugs reinstalled with New Gaskets P/N M-674

DATE 11/26/2021

SIGNED

Kurtis Doty, A&P 4113272

Work Order 6242-11-2021

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MAKE CONTINENTAL
Total Time: 1810.00

MODEL IO-550-N

S/N 689056

Time Since Major Overhaul: 467.9

Hours

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under:

Work Order # 104485

Date 27/Dec/2022

Disassembled, cleaned, and inspected engine IAW Continental Motors Maintenance Manual M-O section 6-5.1.1. steps 3 thru 9 and 12. Installed new Continental lifters, P/N 658077 and 658088. Repaired cylinders as required and installed with new rings on existing pistons. A.D. 2020-16-11, cylinder head inspection and rework is P/C/W by "S" stamp. Installed magnetos P/N 10-500556-1, left S/N PGA104485-1, and right, S/N PGA104485-2, overhauled by Poplar Grove Airmotive. Cleaned, visually inspected, and reinstalled fuel system. This engine was test run in an FAA approved test cell and meets specifications. See A.D. Compliance Record and Parts List for more details.

-----END-----

Terry Aavang

Signed for Poplar Grove Airmotive, Inc.

Poplar Grove Airport, Poplar Grove, IL
FAA Approved Repair Station #YYBR664L

MANUFACTURER: Continental ENGINE MOD: IO-550-N S/N 689056 WO# 104485

AD #	DESCRIPTION	COMPLIANCE STATUS
86-13-04 R3	TCM cylinders	N/A by P/N
88-03-06	TCM oil filter	N/A by filter manufacturer
91-19-03	oil filter	N/A by new filter P/N
93-08-17	oil pickup tube	N/A by S/N
93-10-02	TCM cylinders	C/W by inspection
96-12-22	oil filter adapter	N/A by adapter P/N
99-19-01	crankshaft	N/A by crankshaft S/N N05JA125
00-23-21	crankshaft	N/A by crankshaft S/N N05JA125
04-08-10	ECl cylinders	N/A to Continental cylinders
07-16-10	turbocharger	N/A by no turbocharger STC
10-11-04	TCM lifters	N/A to lifters P/N 658077 and 658088 installed
12-03-06	Fuel Servo Diaphragm	N/A to Continental fuel injection system
12-10-13	Starter Adapter	N/A by no turbo STC
14-05-29	Superior cylinders	N/A to Continental cylinders
16-16-12	ECl cylinders	N/A to Continental cylinders
20-16-11	cross-flow cylinders	P/C/W have "S" stamp

Poplar Grove Airmotive, Inc.

FAA Approved Repair Station # YYBR664L Terry Aavang

Date: 27/Dec/2022

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DATE

ENGINE MODEL:
IO-550-N27B
ENGINE S/N: 689056
REG NO: N927WA
WORK ORDER:
6678-10-2022



Classic Aviation, Inc.

501 W 15th St
Pella, IA 50219
Phone: 641-628-9393

DATE: 2/23/2023
A/C TSN: 1810
ENG TT: 1810
TSMOH: 467.9
HOBBBS: 1810

WORK

Engine Entries

(2) Annual Inspection. Compression check #1 76/80, #2 74/80, #3 78/80, #4 76/80, #5 76/80, #6 75/80. Checked magneto to engine timing. Inspected intake and exhaust systems. Checked all applicable AD's and updated list in aircraft records.... (6) Removed engine IO550N S/N- 689056 and sent to Poplar Grove Airmotive INC. for prop strike inspection. Reinstalled same engine after repair under their work order# 104485. Engine was installed with same engine mounts and bolts with new tabbed locking washers P/N- MS9276-13. Reinstalled alternator#2 with a new gasket. Reinstalled Tanis preheat system with new Tanis heat pads P/N- TEP2928-115/80, checked tanis, no issues noted at this time. Reinstalled Airwolf air oil separator with new breather hose P/N- Mil-H-6000 3/4. Exhaust installed with new gaskets. Reinstalled sensors control cables and wiring as needed. Installed new induction air filter P/N- BA-24. Serviced engine with 8 Qts Phillips 20W-50 Type M. Adjusted fuel injection system in accordance with Continental IO550N Maintenance and Overhaul Manual M-16 Chapter 6 and Continental Standard Practice Maintenance Manual Chapter 6. Ran engine to check for leaks, with no leaks noted at this time.... (37) Removed engine driven fuel pump P/N: 655921-3A1 S/N: B05LA052 and installed an overhauled engine driven fuel pump P/N 655921-3A1 S/N B07GA222 from Great Planes Fuel Metering, Inc. under their work order #23-187. Pump installed with new gasket. performed operational and leak check, no issues noted at this time.

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

DATE: 2/23/2023

SIGNED: *Wm. Haven Hick*

Work Order: 6678-10-2022

Wm. Haven Hick, IA: 3428785

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