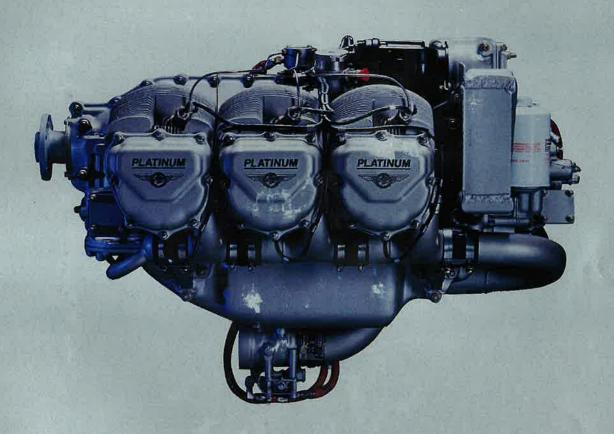
PLATINUM ENGINE LOG BOOK





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: 07/31/2007

This engine model TSI0550C11, Serial No. 802899 was manufactured on 07/29/2007 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. 508

Service Information

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 2039 Broad Street Mobile, AL 36615

Date **Total Time** Time Since **Engine Service and Maintenance Record Last Overhaul** Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins 9-24-07 **6** COLUMBIA This engine S/N 802899 installed in LC41-550FG S/N 41791. Columbia Aircraft Mfg. Add 110-15-07 ~10 Q T 11-20-05 13.4 Add Cessna Aircraft Company N369BW Hobbs: 22.1 22550 Nelson Road Bend, OR 97701 Date: January 18, 2008 TSIO550C11 S/N: 802899 Performed oil change. Removed, cut open, inspected and installed new oil filter. No defects noted inside old filter. Drained mineral oil from sump. Replenished sump with 8 quarts Exxon Elite 20W50 multigrade oil. Performed TCM SID97-3C Engine Setup. All work done per TCM Overhaul and Maintenance Manual M-18. Kennen Andersen AP482866633IA ENGINE MODEL: DATE: 9/29/2008 Fair Air L.L.C. ENGINE S/N: REG. NO: 369bw A/C TSN: ENG TT: Repair Station No. QFBR152Y 3821 S Airport Road, Unit C6 HOBBS: 72 **Engine Entries** (1) Removed eng. cowling. Separated waste gate from acutator at linkage and checked operation. Waste gate catches at fully closed position momentary and actuator makes noise upon retract. See item #2.... (2) Removed waste gate assembly and m.p. controller and sent to Main Turbo for repairs. Re-installed over hauled waste gate assembly S/N KGN00058 P/N 646317, and M.P. Controller S/N KCN01061 P/N 646318-4. Replaced #6 oil line fitting from waste gate actuator due to small leakage. Also replaced burnt drain line hose to actuator. Operational checked good, reset max maniforld pressure. The aircraft and/or component(s) on 369bw was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 2726-09-2008, Dated 9/29/2008. DATE: 9/29/2008 Work Order: 2726-09-2008 Printed by EBis 3 (datcomedia.com)

| Date | | Total | Time | | Since | Finding Service and Maintenance Device |
|--------------------|------------------------|----------------------------------|---------------|---------------------------------------|--------------------------------|--|
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| | - | 1 | | 1110. | 144111. | Modifications and Service Bulletins |
| Brought Forw | vard [| Vialet | Airer | aft LLC | NT: | 260DW G.1 1: 1 G.44 5707 |
| | | | | nd Drive | IN. | 369BW Columbia LC41-550FG S/N 41791 Hobbs: 076.8 |
| | | Burling | | | | 100 |
| | | (360) 42 | | | т. | 20 1 11 7 |
| | | (300) 42 | 20-7013 | | ~1 C | ertify that this Engine has been inspected IAW an Annual |
| | | | | | ınspe | ection and was determined to be in airworthy condition |
| | | | | | Perto | ormed all routine servicing and lubrication required for this |
| | | | | | type | of inspection. Compression tested: 1)62/80 2 70/80 |
| | - | | | | 3)64/ | 80 4)67/80 5)72/80 6)68/80. Serviced with Exxon Elite |
| | | 000 | | | 20W | 50 oil and a new oil filter. Sent an oil sample out for analysis. |
| | | | | | _0 ,,, | -This aircraft/component is approved for return to service. |
| | | ACTT: 0 | | | | and an orași component is approved for returno servicer- |
| | | 10/15/20 | - | | | Craig Scanehorn AP532980649IA |
| | | CESSN | A, MOC | ONEY& | DIAMO | ND FACTORY AUTHORIZED SERVICE CENTER |
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| | ENGIN | NE MODEL: | | | | ^ |
| | REG. I | NE S/N: | | Troutda | le Aircraft | Services, Inc. |
| | WORK | ORDER: 404 | 6 | 1250 NW Pe | MINO. 192R72 | DATE: 6/8/20 |
| | - | _ | | Phone: 503-6 | R 97060 LICA | A/C TSN: ENG T |
| | | ne Entries | | | | HOBBS: 8 |
| | ICM - | C/W SB 08- | 13 Inductio | n system hos | e and clamn | installation, to include the intercooler hose connections. Due AT EVERY induction hose installation. |
| | TCM - | C/W SID 97 | -3E dated 0 | 06-17-08 Proc | edures and | installation, to include the intercooler hose connections. Due AT EVERY induction hose installation. specifications for the adjustment of TCM continuous flow fuel injection systems. |
| | I certify | that this Aircr | aft and or or | | | specifications for the adjustment of TCM continuous flow fuel injection and |
| | under th | ne above work | corder numb | omponents ide oer. Chief Insc | ntified above | were repaired in accordance with current Federal Aviation Regulations, Pertinent details are on file at this repair station. Kenney |
| | DATE: 6 | 6/8/2009 | | | | Regulations, Pertinent details are on file at this repair station |
| | | | | | | Just 1 |
| | | | | Cen | tt Kenney lified Repair St | Work Order: 4046 |
| | | | | | | Printed by EBis 3 (datcomedia.com) |
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| ENGIN | | | | utdale Airc | | Ces, Inc. DATE: 6/8/2009 A/C TSN: 81 |
| | NO: 369B CORDER | | 1250 [| r Station No. T9 NW Perimeter V | Vay | ENG TT: HOBBS: 81 |
| | | | | dale, OR 97060 e: 503-666-3838 | | |
| Engi | ne Ent | ries | | | | _ |
| TCM - | - C/W S | B 08-13 Indu | uction syste | m hose and o | clamp installa | ation, to include the intercooler hose connections. Due AT EVERY induction hose installation. |
| | | | | | | cations for the adjustment of TCM continuous flow fuel injection systems. |
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| l certify under | y that thi the abov | is Aircraft and ve work order | number. Ch | ents identified a hief Inspector § | above were re Scott K. Kenn | epaired in accordance with current Federal Aviation Regulations, Pertinent details are on file at this repair station ey |
| | | | | | 5 | 7100 |
| DATE | : 6/8/20 | V9 | | SIGNED: | | Work Order: 4046 — |
| | | | | Scott Keni Certified R | ney Repair Station N | No. T9ZR725Y Printed by EBis 3 (datcomedia.com) |
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ENGINE MODEL: TSIO550-C11 Troutdale Aircraft Services, Inc. ENGINE S/N: 802899 A/C TSN: 100.2 ENG TT: 100.2 HOBBS: 100.2 REG. NO: 369BW Repair Station No. T97R725Y 1250 NW Perimeter Way Troutdale, OR 97060 USA WORK ORDER: 4323 Phone: 503-666-3838 **Engine Entries** Broug 2 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Exxon Elite 20W50 oil. The filter was removed, inspected and OK. Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: 1) 74, 2) 75, 3) 71, 4) 76, 5) 73, 6) 74. TCM - C/W SID 97-3E dated 06-17-08 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems. TCM - C/W SB 643B Maintenance intervals for TCM and Bendix Magnetos dated 4-6-2005. TCM - C/W SB 03-3 Differential Pressure test and bore scope inspection procedures for cylinders dated 3-28-03. Borescope inspection reveals no defects. Comressions as follows: 1)74/80 2) 75/80 3) 71/80 4) 76/80 5) 73/80 6) 74/80. TCM - C/W SB 95-2 Lubrication of engine controls after washing engine dated 4-21-1995. TCM - C/W SB 96-12 Continued Airworthines Instructions for TCM Cylinders dated 9-10-96 by inspection in accordance with referenced service bulletin. No TCM - C/W MSB 94-8C Magneto to engine timing, Date of revision 4-27-07, Found magetos mis-timed, Removed and inspected magnetos, No defects noted. Reinstalled magnetos and timed to 24 deg btdc. TCM - C/W SB 08-13 Induction system hose and clamp installation, to include the intercooler hose connections, Due each induction hose installation. TCM - C/W SID 05-7 Positioned tuned fuel injection nozzles dated 6-24-2005. Removed, cleaned and reinstalled fuel nozzels in accordance with bulletin. TCM - C/W SID 97-2B Top care compliance information dated 4-19-2004. 12 35 Removed magnetos for inspection. Inspected internal timing, no defects noted. Reinstalled magnetos and timed to 24° btdc. I certify that this Aircraft and or components identified above were repaired in accordance with current Federal Aviation Regulations, Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney DATE: 12/10/2009 SIGNED: Scott Kenney Certified Repair Station No. T9ZR725Y Printed by EBis 3 (datcomedia.com) ENGINE MODEL: TSIO550-C11 ENGINE S/N: 802899 REG, NO: 369BW Troutdale Aircraft Services, Inc. DATE: 2/1/2011 A/C TSN: 145.5 ENG TT: 145.5 Repair Station No. T9ZR725Y WORK ORDER: 4719 1250 NW Perimeter Way Troutdale, OR 97060 USA HOBBS: 145.5 **Engine Entries** TCM - 100 hour - Engine - I certify that this Engine has been inspected for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D and was found airworthy for return to service. Oil was changed using Exxon Elite 20 W50. The filter was removed, inspected and OK, Installed new filter and safetied. A compression check was performed this date and are as follows using 80lbs as standard: 1) 78 2) 69 3) 67 4) 70 5) 67 6) 75, TCM - C/W MSB 94-8C Magneto to engine timing. Date of revision 4-27-07. TCM - C/W SB03-3 Differential Pressure test and bore scope inspection procedures for cylinders. Borescope reveals normal wear, no defects. TCM - C/W SB 643 B Maintenance intervals for TCM and Bendix Magnetos. TCM - C/W SB 95-2 Lubrication of engine controls after washing engine. Recurring each 100 / Annual inspection or after washing engine. TCM - C/W SB 96-12 Continued Airworthiness Instructions for TCM Cylinders. Visually inspect cylinders and cylinder heads for cracks and stains, TCM - C/W SID 97-3E dated 2-28-05 Procedures and specifications for the adjustment of TCM continuous flow fuel injection systems. TCM - C/W SID 97-2B Top care compliance information. Required annually to comply with TCM top care cylinder warranty. Cylinder Differential compression check and trend monitoring - Cylinder borescope inspection - Oil consumption trend monitoring - Oil Analysis trend monitoring - Baffle condition inspection - Induction system examination - Cowling Inspection and cowl flap operational check - Ignition system inspection - Fuel system setup - Verification of accuracy of engine gages - Flight test. TCM - C/W SB 08-3 Induction system hose and clamp installation, to include the intercooler hose connections. Due AT EVERY induction hose installation. AD 2010-11-04 Hydraulic lifters N/A by date of manufacture of lifters. Adjusted magneto to engine timing on both magnetos. I certify that this Aircraft and or components identified above were repaired in accordance with current viation Regulations. Pertinent details are on file at this repair station under the above work order number. Chief Inspector Scott K. Kenney DATE: 2/1/2011 SIGNED: Work Order: 4719

Scott Kenney Certified Repair Station No. T9ZR725Y

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Printed by EBis 3 (datcomedia.com)

| Date | Total Time | | Since verhaul | Engine Service and Maintenance Reco | |
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| MAKE: Cessna | Troutde | nla Aireft C | | | |
| MODEL: LC41-550FG S/N: 41791 REG, NO: 369BW | Repair Sta | ale Aircraft Setion No. T9ZR725Y Perimeter Way | ervices, in | DATE: 2/25/2011 A/C TSN: 152.9 HOBBS: 152.9 | - |
| WORK ORDER: 4739 | Trouldale, | OR 97060 USA 3-666-3838 | | nobb. Isza | |
| Airframe Entries | | | | | |
| | GT probe with nev | | | | |
| I certify that this Aircraft a under the above work or | and or components der number. Chief I | identified above we | re repaired in | n accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station | |
| DATE: 2/25/2011 | | IGNED: | 5 | of the | |
| , , , , , , , , , , , , , , , , , , , | | Scott Kenney Certified Repair Stat | ion No. T97R7 | Work Order: 4739 - Printed by EBis 3 (datcomedia.com) | |
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| | | Date: 7/18/2 | 2011; Airc | craft: N369BW; Hobbs: 163.80; Tach:; Total | _ |
| | | Time: 163.8 |); Engine | - Tvpe: , S/N:, Time: | |
| | | and check a | I indicatin | verify #1 CHT high indication discrepancy ng parameters. Found #1 cylinder indicating | |
| | | 130 degrees | higher tha | nan all other cylinders. Removed engine cowl. head thermocouple and cleaned | |
| | | connections, | reinstalle | ed and re ran engine same problem | |
| | | cylinder then | nocouple | 1 Cylinder head thermocouple and #5 and reinstalled in opposite positions. | |
| | | Ground ran e | engine and | d all indications checked normal. | |
| | | 1.52.15 | R | .1/11/1/ | |
| | | Approved by | Light | Certificate | |
| - | | | | Services, LLC 191 Airport Rd, Port | |
| | | Townsend, V | VA 98368 | 360-385-7770 | |
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| 3) | SI P | Brought Forward | | | | * |
| | E 2 | and was found airwo compression check v 4 TCM - C/W MSB 94 | 1250 NW Pe Troutdale, O Phone: 503-6 I certify that this orthy for return was performed -BD Magneto to | R 97060 366-3838 s Engine has bee to service. Oil w I this date and an o engine timing. I | en inspected as changed u e as follows u Date of revisi | A/C TSN: 181.8 ENG TT: 181.8 TSMOH: HOBBS: 181.8 for a 100hr inspection in accordance with the maintenance manual and FAR 43 appendix D using . The filter was removed, inspected and OK. Installed new filter and safetied. A using 80lbs as standard: |
| ļ | | | | | | spection procedures for cylinders. ion, to include the intercooler hose connections. Due AT EVERY induction hose installation. |
| | 1 | 7 TCM - C/W SB 643 | B Maintenance | intervals for TCI | M and Bendi | x Magnetoes. |
| | | | | = | _ | engine. Recurring each 100 / Annual inspection or after washing engine, tions for the adjustment of TCM continuous flow fuel injection systems. |
| | - | - 10141 - 0/44 OID 8/-3 | - Galeu 00-1/ | -50 Frocedures | and specifica | nons for the adjustment of Form continuous now rue injection systems. |
| | | | | | - 1 | /// |
| | | OATE: 4/27/2012 | | ONED: | 2760444 IA | Work Order: 4873 Printed by EBis 3 (datcomedia.com |
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| 1 | | Log Entry Type:H Hobbs/HM:21 | | Reg #: | | W Model: TSIO-550C S/N: 802899 |
| 1 | | , , , , , _ | 9.7 | | | |
| 1 | | Hobbs/HM: 21 | 9.7 ccomplished | | | |
| | | Hobbs/HM: 21 Following repairs ac Sqk Work Perfort 1.1 Drained oil a abnormal deb | 9.7 ccomplished med nd serviced oris noted. | d: with seven of the seven of | quarts of I | |
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| | | Hobbs/HM: 21 Following repairs accordance with the series and series and series accordance with the s | 9.7 complished med nd serviced oris noted. Work perfolly work requanufactur roved for recovery | d: I with seven of Installed new ormed in account of the er's specificate turn to servi | quarts of I v Champio ordance we e custome | Exxon Elite 20W50 oil. Removed and inspected oil filter. No on CH48108-1 oil filter. Engine run and leak checked. No iith the Cessna 400 AMM chapter 12-10-00. Trunder W.O.#: eug-12-73 was accomplished and inspected in current Federal Aviation Administration regulations, is |
| | | Hobbs/HM: 21 Following repairs ac Sqk Work Perfort 1.1 Drained oil a abnormal del leaks noted. This certifies that onl accordance with the pairworthy, and is appropriate the support of the pairworthy, and is appropriate the support of the pairworthy, and is appropriate the support of the pairworthy. | 9.7 complished med nd serviced oris noted. Work perfolly work requanufactur roved for recovery | d: I with seven of Installed new ormed in account of the er's specificate turn to servi | quarts of I v Champio ordance we e custome | Exxon Elite 20W50 oil. Removed and inspected oil filter. No on CH48108-1 oil filter. Engine run and leak checked. No with the Cessna 400 AMM chapter 12-10-00. Trunder W.O.#: eug-12-73 was accomplished and inspected in current Federal Aviation Administration regulations, is espect to the work performed. END. |
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| Date | Total Time | | Time Since Last Overhaul | | Engine Service and Maintenance Record |
|-----------------|------------|----------|-----------------------------|------|--|
| | Hrs. | Min. | Hrs. | Min. | Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
| Brought Forward | | → | | | |



N369BW

Van Bortel Aircraft Inc.

The World's Most Experienced Cessna Corvalis Service Facility

4912 S. Collins St 817.468.7788

Engine Total: 230.8

02/11/2013

FAA CRS# VNFR171L www.vanbortel.com

Arlington, TX 76018

Fax: 817.468.5611

W.O. SV3034

H.M. 230.8 TCM TSIO-550-C(11)

S/N: 802899

CHANGED OIL & FILTER, NO DEFECTS NOTED IN REMOVED FILTER MEDIA; SERVICED WITH 7 QUARTS PHILLIPS XC 20W50 OIL AND NEW CH48108-1 FILTER. INSTALLED NEW #2 EGT PROBE, P/N AF1163201. INSPECTED ENGINE CRANKCASE IN ACCORDANCE WITH CONTINENTAL SB09-4A WITH NO CRACKS

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE, PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.



Van Bortel Aircraft Inc.

The World's Most Experienced Cessna Corvalis Service Facility

4912 S. Collins St Arlington, TX 76018

817.468.7788 Fax: 817,468,5611

FAA CRS# VNFR171L

www.vanbortel.com

N369BW

H.M. 230.8 TCM TSIO-550-C(11)

Engine Total: 230.8

04/05/2013 W.O. SV3113

S/N: 802899

PERFORMED A 100 HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH FAR 43 WITH REFERENCE TO CESSNA 400 MAINTENANCE MANUAL 400MM02. COMPRESSIONS: #1 64 #2 63 #3 62 #4 67 #5 61 #6 64/80. REMOVED OIL FILTER, NO DEFECTS NOTED IN REMOVED OIL FILTER MEDIA, INSTALLED NEW OIL FILTER, P/N CH48108-1. INSTALLED NEW INDUCTION AIR FILTER, P/N BA345E. TIMED BOTH MAGNETOS TO 24° IN ACCORDANCE WITH CONTINENTAL MANUAL M18. INSTALLED REPAIRED R/H EXHAUST TURBO TRANSITION, P/N 654327, S/N IK285, IN ACCORDANCE WITH CONTINENTAL MANUAL M18; TRANSITION WAS REPAIRED BY ACORN WELDING, CRS# AMO100-91 SCA-060, ON THEIR WORK ORDER 2013-68. AD'S CHECKED THROUGH BIWEEKLY

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION, PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

DAVID R. JONES INSPECTOR



Van Bortel Aircraft Inc.

The World's Most Experienced Cessna Corvalis Service Facility

4912 S. Collins St

817.468.7788

FAA CRS# VNFR171L www.vanbortel.com

Arlington, TX 76018

Fax: 817.468.5611

W.O. SV3149

N369BW

H.M. 241.5

Engine Total: 241.5

S/N: 802899

04/19/2013

TCM TSIO-550-C(11)

CHANGED OIL & FILTER, NO DEFECTS NOTED IN REMOVED FILTER MEDIA; SERVICED WITH 7 QUARTS PHILLIPS XC 20W50 OIL AND NEW CH48108-1 FILTER. INSTALLED NEW #2 EGT PROBE P/N AF1163201. INSTALLED NEW LEFT TIT PROBE P/N 86245. OPERATION TESTS SATISFACTORY WITH NO LEAK NOTED. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE, PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT

DAVID R. JONES

| Date | Total | Time | | Since verhaul | | Engine Service and Maintenance Reco | | | | | |
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| | Hrs. | Min. | Hrs. | Min. | Modifications, inspection | | s Directives, Special Inspec | | | | |
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| | | | | | n Bortel Ai | | 2 | | | | |
| Cessna | | | 4912 S. Coll | | d's Most Experienced Cessna Corvalis Service Facility 817,468,7788 FAA CRS# VNFR | | | | | | |
| 000011 | | | rlington, TX | | Fax: 817.468.5 | | www.vanbortel.com | | | | |
| N369BW | Т | | . 242.1 D-550-C(1 | | gine Total: 242.1 | 04/24/2013 1: 802899 | W.O. SV3156 | | | | |
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| | | | | В | 369BW | LC41- | 41791 | 329.2 | 329.2 |
| Per | formed : | annual i | nspectio | n IAW F | AR 43 | 550FG Appendix D | <u> </u> | nce to Cessn | a LC41-550FG |
| mair | tenance | e manua | al. dated | May 20 | th 2016 | Cylinder Pr | essure Che | eck #1: 78/80 | #2 79/80 #3 80/80 #4 |
| 78/8 Ots | 0 #5 79 <i>i</i> Aeroshe | /80 #6 8 ell 5W50 | 60/80. Re). Check | emoved ed Mag | and rep | Ran up and | performed l | eak check. M | 08-1 Serviced with 7 lag drop 60 RPM Left |
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Continental TSIO-550-C11B

Oct 2, 2017

ENGTT: 343.1 AFTT & Hobbs: 343.1

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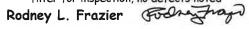
Engine on N369BW LC41-550FG 1. Complied with a 100-hr inspection using FAR 43 app D and LC41-550FG MM as a guide.

S/N: 802899

S/N: 41791

2. Complied with AD 16-21-04 Failure of the Oil Cooler Cross Fitting by removing AN918 fitting, inspecting port threads tions, (no defects noted) and installing new fitting PN 658607 IAW CSB15-2C.

3. Replaced oil filter with new PN CH4810-1, serviced with 7-qts of AS 15w50, engine run and leak check good. Opened old filter for inspection, no defects noted



A&P 3441617

I certify that this **ENGINE** was inspected in accordance with **ANNUAL** inspection required by FAR 91.409 (a)(1) and determined to be in an airworthy condition.

Grant R Neilson

A&P 3691098 IA

DATE: 11-07-2018

KUSA AVIATION, LLC 4700 Hangar Dr. Beaumont Texas 77705

409-727-7900-O 409-727-7901-F

KUSA CK AVIATION

☑ Engine

REG: **MODEL:** N369BW TSIO-550-C1

<u>S/N:</u> 802899 TACH: 375.1

TSOH: TSN: 375.1 375.1

- 1. C/W Annual inspection IAW FAR 43 app D and LC41-550FG AMM as a guide.
- 2. Inspected air induction filter no defects noted.
- 3. Oil and filter change not due until 393.1 Hobbs time.
- 4. Replaced spark plugs 12 each and checked gaps iaw amm.
- 5. No recurring AD'S per compliance list at this time.

All work was accomplished in accordance with current Federal Aviation Regulations and manufacturer's maintenance instructions. I certify that this Engine has been inspected in accordance with an ANNUAL INSPECTION required by FAR 91.409 (a)(1) and was determined to be in airworthy condition

Grant R Neilson

Signature:

Grant R Neilson

Technician:

Reg.#

N369BW

Certificate:

A&P/IA #3691098

DATE: Dec-01-2019

☑ Engine

KUSA AVIATION, LLC 4700 Hangar Dr. **Beaumont Texas 77705** 409-727-7900-O 409-727-7901-F

802899

TACH:

416.3

KUSA KUSA AVIATION

TSN:

416.3

C-W a 100-hour inspection in accordance with FAR 43. Appendix d. & the manufacturer's inspection checklist as a guide.

TSIO550C11

Model:

Drained oil & removed oil filter & inspected for contaminants. None noted at this time. Installed new CH48108-1 oil filter & serviced engine with 7qts Phillips 20W50 oil.

- Performed comp check in accordance with TCM SB84-15 & all checked within service limits at this time. Clean & gapped spark plugs, checked mag time & found at 22 BTDC. Reinstalled spark plugs.
- See Airworthiness Directives Compliance record this date for details.
- Installed new p/n: BA-34SE air filter.
- Engine ground run, performance & leak checked satisfactory at this time.
- All work was accomplished in accordance with current Federal Aviation Regulations and manufacturer's maintenance
- This engine was inspected in accordance with a 100-hour inspection & approved for return to service for work performed at

Signature:



David R Scherer A&P3798450 IA

defects

noted

at this

4912 S. Collins St Arlington, TX 76018 817-468-7788 www.vanbortel.com

FAA CRS# VNFR171L

W.O: CV10526 02/27/2024 Total: 537.2 SERIAL: 41791 Hour Meter: 537.2 N369BW LC41-550FG **CESSNA**

CONTINENTAL

SERIAL: 802899 TSIO-550-C (11)

PERFORMED A PREBUY EVALUATION, REMOVED COWLING AND PANELS AS NEEDED. REMOVED THE SPARK PLUGS AND PERFORMED COMPRESSION CHECK, REINSTALLED THE SPARK PLUGS. PERFORMED LIFTER & CAMSHAFT EVALUATION ON CYLINDERS #1, #3 AND #5. REASSEMBLED ENGINE USING ALL NEW GASKETS, SEALS IAW CONTINENTAL M-18 SECTION 17-3 AND CONTINENTAL M-0 APPENDIX B. GROUND RAN ENGINE, NO LEAKS NOTED. REINSTALLED COWLING AND PANELS. THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

ERIC MONROE Eric Aburoe INSPECTOR

Total Time Time Since Date **Engine Service and Maintenance Record** Last Overhaul Installations, Inspections, Airworthiness Directives, Special Inspections, Hrs. Min. Hrs. Min. Modifications and Service Bulletins Bro DATE: Jan-11-21 **KUSA AVIATION, LLC** 409-727-7900-Q KUSA TK AVIATION 4700 Hangar Dr. 409-727-7901-F **Beaumont Texas 77705** Engine Model: S/N: TACH: TSN: TSIO550C11 802899 420.3 420.3 C-W a 100-hour inspection in accordance with FAR 43. Appendix d. & the manufacturer's inspection checklist as a guide. Drained oil & removed oil filter & inspected for contaminants. None noted at this time. Installed new CH48108-1 oil filter & serviced engine with 7qts Phillips 20W50 oil. Performed comp check in accordance with TCM SB84-15 & all checked within service limits at this time. Clean & gapped spark plugs, checked mag time & found at 22 BTDC. Reinstalled spark plugs. See Airworthiness Directives Compliance record this date for details... Engine ground run, performance & leak checked satisfactory at this time. All work was accomplished in accordance with current Federal Aviation Regulations and manufacturer's maintenance 7. This engine was inspected in accordance with a 100-hour inspection & approved for return to service for work performed at Signature: David R Scherer A&P3798450 IA P.O. BOX 460212 SAN ANTONIO TX 78246 PHONE (210) 525-9677 FAX (210) 525-1226 HOBBS: 450.9 ENGINE S/N: 802899 Performed the following maintenance: Performed annual inspection in accordance with Cessna LC41-550FG Maintenance Manual. Compression test results: 1) 55/80, 2) 68/80, 3) 44/80, 4) 62/80, 5) 64/80, 6) 67/80. Drained engine oil, changed filter p/n: CH48108-1 and serviced with 7 gts. of Phillips XC20w50. Reclocked left turbocharger. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. The maintenance and / or inspection performed on the engine identified above was performed in accordance with current federal aviation regulations and was found to be airworthy for return to service. 2000 W Bakerview Road CommandAviation Bellingham, WA 98226 **ENGINE** Date: 02/14/2023 AFTT: 510.2 A/C: N369BW S/N: 41971 TSN: 510.2 ENGINE: TSIO-550-C11 S/N: 802899 C/W 100 Hr inspection IAW FAR 43(d). Performed compression test, compressions as follows: 77, 78, 66, 79, 77 & 74/80. Removed the spark plugs, cleaned, gapped, tested and reinstalled. Replaced spark plug gaskets with new p/n: M674. Drained the oil and removed oil filter. Cut filter and inspected for debris, none noted. Installed new oil filter AA48108-2 and serviced with 20W50. Removed both magnetos and replaced with overhauled replacements (LH 10-500556-101R L-01499) (RH 10-500556-101R L-01500). All maintenance performed IAW TSIO-550 and LC41-550 FG MM as applicable. Performed post maintenance ops and leak check, no defects noted. Annual Inspection and found to be in an airworthy condition. I certify this engine installation was inspected IA) A6036218581A

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Brought F

Reg #: N369BW

Model: Cessna LC41-550FG

Serial #: 41791

Work Order #: 25590



Hobbs: 542.5

Tach:

Total Time: 542.5

Date: 5-16-2024

S/N 802899 ETT: 542.5

Performed annual inspection using Cessna LC41-550FG maintenance manual inspection checklist as a guide. Performed compression check with the following results, 1) 76/80 2) 74/80 3) 75/80 4) 72/80 5) 74/80 6) 74/80, MO "42". C/W AD 2023-09-09 by replacement of LH & RH V-band clams with new P/N 670105, next inspection due 5-2025, replacement due: TT: 1042.5. Removed oil and filter, cut open filter no metal noted. Installed new CH48108-1 filter and serviced with 8 qts of Aeroshell 100 mineral oil. Removed and replaced all cylinders with repaired units, #1 P/N 655477 S/N AC06GB199, #2 P/N 655474 S/N AC09JA940, #3 P/N 656946 S/N AC07CA922, #4 P/N 656946 S/N AC08DA649, #5 P/N 656946 S/N AC07CA904, & #6 P/N 656946 S/N AC06JA421. All cylinders repaired by CRS# PP4R448M under WO# 28851. Removed and replaced all lifters with new P/N SA638488 & SA646277. Removed, cleaned, inspected, and reinstalled all fuel nozzles. Installed new bushing in RH exhaust support arm P/N 654309. Removed and replaced air adapter assembly P/N 646797. Removed and replaced starter adapter rear shaft seal with new P/N 55174. Performed fuel system setup per M-O maintenance manual. Washed engine and ground ran aircraft. Systems ops check normal, no leaks or defects noted at this time. For Further details see WO#25590 on file this station. I certify this engine has been inspected IAW a 100 HOUR inspection and is approved for return to service.

FAA Repair Station DBA Air Care

ACOR030C

Reg #: N369BW Model: Cessna LC41-550FG Serial #: 41791 Work Order #: 25746



Hobbs: 556.5 Tach:

Total Time: 556.5 Date: 1-23-2025

S/N 802899 ETT: 556.5

Removed and reinstalled fuel pump P/N 649368-44A4 S/N CF055K01 after overhaul by CRS# 9KPR369B under WO# 0055K. Removed and reinstalled fuel control valve P/N 656785-2 S/N CF005J01 after overhaul by CRS# 9KPR369B under WO# 0055J. Removed and replaced all sparkplugs with new P/N URHB32E. Removed and reinstalled LH & RH MAGs, after bench check, with new gaskets P/N 649954 and timed to engine. Performed fuel system setup per M-0 manual, adjusted fuel, RPM, and manifold settings as needed. Ground ran aircraft, systems ops check normal, no leaks or defects noted at this time. For further details see WO#25746 on file this station.

For Bas Aviation DBA Air Care FAA Repair Station

ACOR030C

Reg #: N369BW Model: Cessna LC41-550FG Serial #: 41791 Work Order #: 25771 Hobbs: 556.5 Tach:

Total Time: 556.5 Date: 1-23-2025

S/N 802899 ETT: 556.5

Removed oil filter, cut open, and inspected, no defects or metal noted at this time. Installed new CH48108-1 filter and serviced engine with 2qts of Aeroshell 100 mineral oil. Performed compression check with the following results, 1) 74/80 2) 75/80 3) 78/80 4) 73/80 5) 75/80 6) 76/80, MO "41". Ground ran aircraft, systems ops check normal, no leaks or defects noted at this time. For further details see WO#25771 on file this station.

For PAS Aviation DBA Air Care
PAA Repair Station
ACOR030C

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| | DMA | .C Aero LLC · 34 Hangar Road · Savannah, GA 31408 · (912) | |)ns | | | | | |
| ught Forwa | N369BW HOBBS: 599.2 | Continental, TSIO-550-C, S/N: 802899 SINCE NEW (HOBBS): 599.2 | August 22, 2025 | - | | | | | |
| gittione | checklist in chap oil, collected san noted). Installed XC. Checked eng engine to magne new gaskets P/N plumbing, wiring injectors. Perfort rectives 2025-16 ICA's and Airwor complete listing complete listing complete listing complete listing to the fuel injector of the fuel injector. | E INSPECTION Performed aircraft engine inspection I/A ter 5-20-00 of the Columbia LC41-550FG series AMI pple, removed oil filter, opened and inspected filter menew oil filter PN: CH48108-1 and serviced engine with pine compressions: #1-70, #2-72, #3-76, #4-78, #5-72, to timing. Cleaned, inspected, gapped, tested, and reim M674. Visually inspected engine, engine mounts, air is and cowling. Cleaned, inspected and flushed fuel symed ground run up, ops check good, no leaks noted. Bi-Weekly dated: 7/28/2025 thru 8/10/2025 and verifications Limitations have been complied with. See AD list AD's. 7-Band Coupling Inspection. Complied with by inspect N: 67015 per para (j) of AD instructions. (checked good maintenance, GAMI Injectors Complied with by remote per instructions listed in the ICA section of the GAI 2. Next due; AUG-2026 or 699.2 Hobbs. | M# 400MM. Drained engine dia for metallic debris (none th 7 Qts of Phillips 20W-50 and #6-78/80 and checked nstalled all spark plugs with ntake and exhaust systems, stem from vents through to Reviewed Airworthiness Diied that all applicable AD's, st generated 8/22/2025 for a lion of the LH and RH turbo ly, Next due: AUG-2026. | | | | | | |
| ====================================== | wo: WO_011596 | | Engine - page 2 of 2 |) <u>-</u> | | | | | |
| | D | MAC Aero II C . 34 Hannar Road - Savannah GA 31408 . /91 | 2) 964-1022 | 3.5 | | | | | |
| | All maintenance comp | All maintenance completed in accordance with applicable sections of the manufacturer's maintenance manual. I certify that this engine has been inspected IAW an Annual Inspection and a listing of discrepancies and unairworthy items dated 8/22/2025 has been provided to the aircraft owner or operator. | | | | | | | |
| | Arthur Leblanc A&P, I. | A. 3298771 | | | | | | | |
| | wo: WO_011596 | | Engine - page 1 of 1 | | | | | | |
| | | MAC Aero LLC · 34 Hangar Road · Savannah, GA 31408 · (9 | 12) 964-1022 | | | | | | |
| | N369BW | Continental, TSIO-550-C, S/N: 802899 SINCE NEW (HOBBS): | August 22, 2025 | 7 | | | | | |
| | HOBBS: 599.2 | 599.2 | | ; , | | | | | |
| | 1. Removed the a items were set with the fuel di 2. Reinstalled the ing unit PN: 65 CF061S01. In jectors using n All work perfor Modifications. | engine driven fuel pump, fuel control valve, fuel flow divint to Consolidated Fuel Systems for a fuel system benvider and the unit was overhauled by Consolidated). e engine driven fuel pump PN: 649368-44A4, SN: CF6785-2. SN: CF055J01, and the overhauled fuel flow stalled a new replacement #5cyl GAMI fuel injector and ew o-ring seals. Aircraft was ground run and a fuel flow med IAW the Continental TSIO-550 series engine MMInc(GAMI) injector installation document# IP-2001-02. | 1055K01, the throttle & meter- divider PN: 646433-14A1, SN: d reinstalled all other GAMI in- systems check was performed. | 3 | | | | | |
| | 1. Removed the eitems were sewith the fuel di 2. Reinstalled theing unit PN: 65 CF061S01. In jectors using nall work perfor Modifications. good, no issue All maintenance company and All experational. | engine driven fuel pump, fuel control valve, fuel flow divint to Consolidated Fuel Systems for a fuel system benvider and the unit was overhauled by Consolidated). e engine driven fuel pump PN: 649368-44A4, SN: CF6785-2. SN: CF055J01, and the overhauled fuel flow stalled a new replacement #5cyl GAMI fuel injector and ew o-ring seals. Aircraft was ground run and a fuel flow med IAW the Continental TSIO-550 series engine MMInc(GAMI) injector installation document# IP-2001-02. | 1055K01, the throttle & meter-divider PN: 646433-14A1, SN: d reinstalled all other GAMI insystems check was performed. If M-0 and the General Aviation Engine operationally checked mufacturer's maintenance manify that the maintenance identi- | 3 3 3 3 3 | | | | | |
| | 1. Removed the eitems were sewith the fuel di 2. Reinstalled theing unit PN: 65 CF061S01. In jectors using nall work perfor Modifications. good, no issue All maintenance company and All experational. | engine driven fuel pump, fuel control valve, fuel flow divint to Consolidated Fuel Systems for a fuel system benvider and the unit was overhauled by Consolidated). e engine driven fuel pump PN: 649368-44A4, SN: CF 66785-2. SN: CF055J01, and the overhauled fuel flow stalled a new replacement #5cyl GAMI fuel injector and ew oring seals. Aircraft was ground run and a fuel flow med IAW the Continental TSIO-550 series engine MM/Inc(GAMI) injector installation document# IP-2001-02. is noted. pleted in accordance with applicable sections of the maigging and functional checks tested satisfactorily. I cert inspected and the items are approved for return to serve | 1055K01, the throttle & meter-divider PN: 646433-14A1, SN: d reinstalled all other GAMI insystems check was performed. If M-0 and the General Aviation Engine operationally checked mufacturer's maintenance manify that the maintenance identi- | | | | | | |
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| | 1. Removed the electric liters were sewith the fuel di 2. Reinstalled the ing unit PN: 68 CF061S01. In jectors using n All work perfor Modifications. good, no issue All maintenance comual. All operational, refied above has been Arthur Leblanc A&P. | engine driven fuel pump, fuel control valve, fuel flow divint to Consolidated Fuel Systems for a fuel system bervider and the unit was overhauled by Consolidated). e engine driven fuel pump PN: 649368-44A4, SN: CF 66785-2. SN: CF055J01, and the overhauled fuel flow stalled a new replacement #5cyl GAMI fuel injector and ew o-ring seals. Aircraft was ground run and a fuel flow med IAW the Continental TSIO-550 series engine MMInc(GAMI) injector installation document# IP-2001-02. In sold. pleted in accordance with applicable sections of the maigging and functional checks tested satisfactorily. I cert inspected and the items are approved for return to sense. | 1055K01, the throttle & meter-divider PN: 646433-14A1, SN: d reinstalled all other GAMI insystems check was performed. If M-0 and the General Aviation Engine operationally checked mufacturer's maintenance manify that the maintenance identifice. Engine page 1 of 1 | 3 3 8 8 8 | | | | | |
| | 1. Removed the electric liters were sewith the fuel di 2. Reinstalled the ing unit PN: 68 CF061S01. In jectors using n All work perfor Modifications. good, no issue All maintenance comual. All operational, refied above has been Arthur Leblanc A&P. | engine driven fuel pump, fuel control valve, fuel flow divint to Consolidated Fuel Systems for a fuel system bervider and the unit was overhauled by Consolidated). e engine driven fuel pump PN: 649368-44A4, SN: CF 66785-2, SN: CF055J01, and the overhauled fuel flow stalled a new replacement #5cyl GAMI fuel injector and ew o-ring seals. Aircraft was ground run and a fuel flow med IAW the Continental TSIO-550 series engine MMI Inc(GAMI) injector installation document# IP-2001-02. In pleted in accordance with applicable sections of the maigging and functional checks tested satisfactorily. I cert inspected and the items are approved for return to sen I.A. 3298771 | 1055K01, the throttle & meter-divider PN: 646433-14A1, SN: d reinstalled all other GAMI insystems check was performed. If M-0 and the General Aviation Engine operationally checked mufacturer's maintenance manify that the maintenance identifice. Engine page 1 of 1 | | | | | | |



DMAC Aero LLC + 34 Hangar Road - Savannah, GA 31408 - (912) 964-1022

N369BW

Continental, TSIO-550-C, S/N: 802899

September 05, 2025

HOBBS: 599.9 SINCE NEW (HOBBS):

599.9

Complaint of rough running engine, loss of power and fuél leakage. Removed engine cowlings and inspected engine during ground run up for signs of fuel leakage. No visual leaks were noted. Source of fuel leak appeared to be coming from the steel fuel supply tube routing from the fuel control valve to the fuel flow manifold.(suspect tube to have hairline crack). This line was removed and a new replacement line PN: 656788 was installed IAW the Continental TSIO-550 series engine MM# M-O. Performed ground run up and allowed engine to get to operation temperatures. Inspected for fuel leaks, no leaks noted.

All maintenance completed in accordance with applicable sections of the manufacturer's maintenance manual. All operational, rigging and functional checks tested satisfactorily. I certify that the maintenance identified above has been inspected and the items are approved for return to service.

John Cherry A&P 4180693

