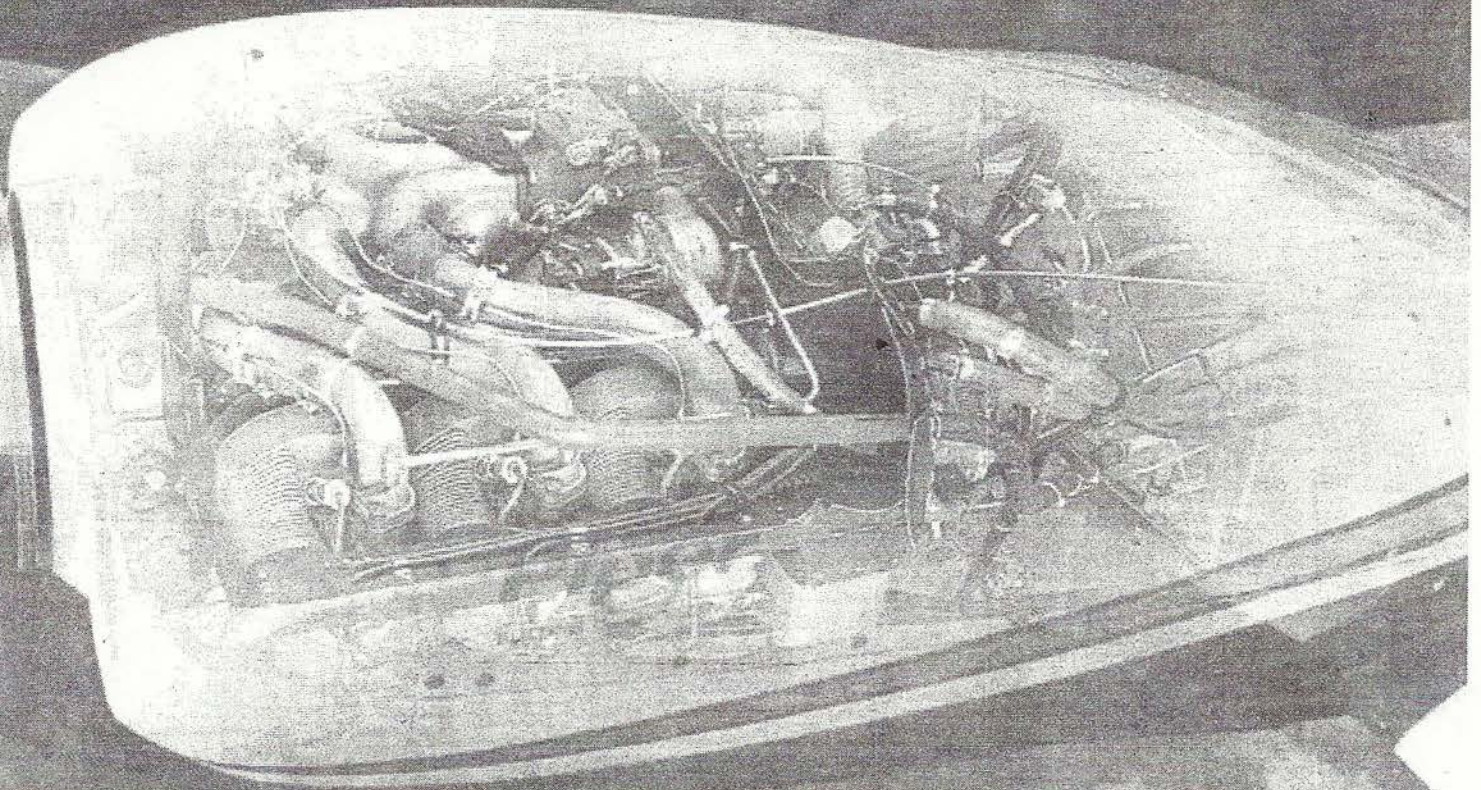


ENGINE LOG BOOK



CONTINENTAL MOTORS

Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model I0550 N7B

Engine Serial Number 686342

Testing Completed

Standard Acceptance Test:

Date of Completion 6-27-02 Test Operator 153



Form No 98344

CONTINENTAL MOTORS



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 06/28/2002

This engine model I0550N7, Serial No. 686342 was manufactured on 06/27/2002 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. 568

Brought Forward	Last Overhaul	
	Hrs.	Min.

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

10-27-2011 N929DE Hobbs 358.0

Installed AV-Wire wiring harness Part Number 52221-1 for the purpose of accommodating off-aircraft battery charging. Wiring sized, protected and routed using appropriate Mil-Spec materials and procedures as outlined in AC43.13-1B, Chapter 11, sections 4 and 5. Charging connector, Anderson Spec-Pak receptacle, installed using acceptable procedures, and is to be used with BatteryMINDER® off-aircraft charging system. The alteration meets the design requirements of a "minor alteration" as specified in FAR Part 21.93, paragraph (a) and is installed with consideration for all recommended actions contained in SAEO #09018 dated 12-12-2009.

ENGINE MODEL: IO-550-N (7)
ENGINE S/N: 686342
REG. NO: N929DE
WORK ORDER: 113724

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

DATE: 5/4/2012
A/C TSN: 380.2
ENG TT: 380.2
HOBBS: 380.2

Engine Entries

Performed engine 100 HR inspection in accordance with current Cirrus Design Aircraft Maintenance Manual 5-20 and 5-30. Checked the fuel system in accordance with SID 97-3E. The cylinder compression was checked with the following results: #1, 76/80 #2, 70/80 #3, 73/80 #4, 69/80 #5, 76/80 #6, 75/80 psi. Master orifice 48/80. The oil and filter was changed and serviced with 8 quarts of AeroShell 15W-50 and a new CH48108-1 filter. An oil sample was collected for analysis by Aviation Oil Analysis of Phoenix, AZ. Cleaned the fuel injector nozzles and reinstalled using new seals as required. Stop drilled crack on oil cooler lower outboard baffle flange.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station 5CSR009B.

DATE: 5/4/2012

SIGNED: [Signature]

Work Order: 113724

Menge, Adam
Certified Repair Station No. 5CSR009B

Printed by EBIS 3 (datamedia.com)

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N929DE Continental IO-550-N() S/N: 686342 Engine Log Entry

8 November 2012 Hobbs Meter: 511.3

Compression test: #1) 73/80, #2) 72/80, #3) 73/80, #4) 73/80, #5) 76/80, #6) 75/80. Cut oil filter open and inspected, no ferrous contaminates noted. Installed new oil filter. One crack noted at baffle mounting flange on oil cooler. Crank is in flange only and does not travel into the main oil cooler structure. No corrective action required per Continental Motor recommendations. r Continental Motors. Post inspection engine ground run-up, operational and leakage check satisfactory.

w/o 32552

Registration # N929DE Date 12-14-12 TACH/HM: 517.6 Changed oil and filter. Serviced engine with Phillips X/C oil and installed new oil filter P/N CH48108-1. Inspected old filter element for metallic contamination: none detected. Test ran and leak checked, no leaks detected at this time.

Signed [Signature] ----- END -----
Livingston Aviation, Inc. Waterloo, Ia. FAA Approved Repair Station No: LVOR169J

Registration # N929DE Date 1/31/13 TACH/HM: 561.7 Changed oil and filter. Serviced engine with Phillips X/C oil and installed new oil filter P/N CH48108-1. Inspected old filter element for metallic contamination: none detected. Test ran and leak checked, no leaks detected at this time.

Signed [Signature] ----- END -----
Livingston Aviation, Inc. Waterloo, Ia. FAA Approved Repair Station No: LVOR169J

Work Order 2257
N 929DE
SN# 686342
Hobbs 561.70
Total 561.70
Date 2/11/2013



Livingston Aviation
2814 Betsworth Dr
Waterloo, IA 50703
Repair Station # LVOR169J

Engine Log Entry

Replaced contact set and capacitor in right magneto. Reinstalled with new gasket. Ran engine checked magneto. Pertinent details are on file at this agency under Work Order #2257 Dated 2/11/2013.

Livingston Aviation Inc. Waterloo, Iowa

Signed _____

FAA APPROVED REPAIR STATION # LVOR169J

Registration # N929DE Date 3/1/13 TACH/HM: 606.0 Changed oil and filter. Serviced engine with Phillips X/C oil and installed new oil filter P/N CH48108-1. Inspected old filter element for metallic contamination: none detected. Test ran and leak checked, no leaks detected at this time.

Signed _____

END

Livingston Aviation, Inc. Waterloo, Ia. FAA Approved Repair Station No: LVOR169J

Registration # N929DE Date 6/24/13 TACH/HM: 672.2 Changed oil and filter. Serviced engine with Phillips X/C oil and installed new oil filter P/N CH48108-1. Inspected old filter element for metallic contamination: none detected. Test ran and leak checked, no leaks detected at this time.

Signed _____

END

Livingston Aviation, Inc. Waterloo, Ia. FAA Approved Repair Station No: LVOR169J

WORK ORDER 2383
N 929DE
S/N 686342
HOBBS 718.10
TTSN 718.10
SMOH N/A



Livingston Aviation
2814 Betsworth Dr
Waterloo, IA 50703
Repair Station # LVOR169J

Engine Log Entry

Serviced and inspected I/AW Cirrus SR 22 service manual. Changed oil and filter W/ Phillips X/C oil. Inspected old filter for metal, none found. Checked compression: #1:76/80, #2:68/80, #3:72/80, #4:72/80, #5:70/80, #6:70/80. Reinstalled magnetos after overhaul by Quality Aircraft Accessories. Installed new RHB32E spark plugs. Installed serviceable #4 intake pipe. Ran engine, checked operation and for leaks. END

I certify that this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order #2383 Dated 11/27/2013.

Livingston Aviation Inc. Waterloo, Iowa

Signed _____

FAA APPROVED REPAIR STATION # LVOR169J

Date: 1 Dec 14 TT: 797.1

Drained oil, Replaced oil filter CH48108-1, Filter Cut and Insp, No Metal Found, SW 8 qts. 20W50-XC. Cleaned and gapped spark plugs, replaced 1 champion spark plug RHM32E, performed compression check Cyl#1 70/80 Cyl#2 68/80 Cyl#3 69/80 Cyl#4 69/80 Cyl#5 71/80 Cyl#6 70/80. Run up & system check good. No leaks found. _____

Date: 11 Dec 14

TT: 806

Removed and replaced alternator with Quality Aircraft Accessories overhauled unit P/N: 646843
S/N: C168906. Run Ck good. _____

ENGINE SERVICE AND MAINTENANCE RECORD
 Installations, Inspections, Airworthiness Directives, Special Inspections,
 Modifications and Service Bulletins

Time		Last Overhaul	
Hrs.	Min.	Hrs.	Min.

Brought Forward →

Date: 03/01/2016
 N 929DE
 HOBBS: 821.1
 TSEN: 821.1



Walter Aviation, Inc
 1684 230th Street
 P.O. Box 214
 Independence, IA 50644
 (319) 334-4000

Engine was inspected IAW an annual inspection and Cirrus SR-22 inspection checklist. An AD search was performed and no AD's were found to be applicable. The oil was drained and the filter cut open and inspected. Spark plugs were cleaned and gapped. Magneto timing was checked. A compression check and borescope inspection was performed. No problems were discovered during the borescope inspection. Compressions were 1: 65, 2: 73, 3: 75, 4: 60, 5: 72, 6: 73. The muffler and heat shroud were removed, inspected, and pressure tested. No leaks were noted. Engine was serviced with 8 quarts of Philips X/C 20W-50 oil and a new Tempest AA48108-2 oil filter. Due to lack of runtime this year, the next oil change is recommended in 10 hours at 831.1 hobbs.

03/01/2016

821.1

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IAW A 100HR INSPECTION AND FOUND TO BE AIRWORTHY AT THIS TIME.

3-1-2016 Tach: 821.1; ETT: 821.1
 I certify that this engine has been inspected I.A.W. an Annual Inspection & was determined to be in an Airworthy Condition.

Date: 03/21/2016
 N 929DE
 HOBBS: 833.7
 TSEN: 833.7



Walter Aviation, Inc
 1684 230th Street
 P.O. Box 214
 Independence, IA 50644
 (319) 334-4000

Drained oil and inspected oil filter. A small amount of ferrous carbon was discovered. Engine was serviced with 8 quarts of Phillips X/C 20W50 and a new Tempest AA48108-2 oil filter.

Brent LeClerc

