

ENGINE LOG BOOK



Service Information

Consult the Continental Motors web site at continentalmotors.aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service bulletins that may be pertinent to your engine model.

If internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Continental Motors, Inc.
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors, Inc.

Production Certificate 508

Printed: 02/15/2012

Test Date: 02/13/2012

This engine model I0360ES25B, serial number 1006112 was manufactured 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.

Date	Total Time		Overhaul		ENGINE SERVICE and maintenance records Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	

Lowe Aviation Company

Macon, Georgia

<u>Aircraft Registration</u>	N117LF	<u>Date</u>	6/4/2012
<u>Model</u>	SR20	<u>Work Order</u>	12623
<u>Serial Number</u>	2148	<u>Flight Hobbs</u>	25.3

Drained oil, replaced filter and added 8 quarts of 15w50. Leak checked ok. Performed Cirrus Delivery Quality Check II Inspection (25 hour interval items) in accordance with Cirrus Maintenance Program. This work has been inspected and found to be airworthy with respect to the work performed. This engine is returned to service. Details are on file under Lowe Aviation Co. work order # 12623.



 Nick Porcel
 FAA Repair Station # ETER699D

Lowe Aviation Company

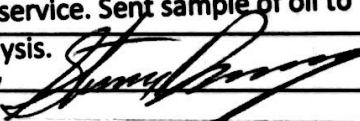
Macon, Georgia

<u>Aircraft Registration</u>	N117LF	<u>Date</u>	10/4/2012
<u>Model</u>	IO-360-ES	<u>Work Order</u>	12787
<u>Serial Number</u>	1006112	<u>Flight Hobbs</u>	49.8


Drained oil, replaced filter and added 8 quarts of 15w50. Leak checked ok. Performed 50 HR Interval items (In Service Inspection I) in accordance with Cirrus Maintenance Program Requirements. This work has been inspected and found to be airworthy with respect to the work performed. This engine is returned to service. Details are on file under Lowe Aviation Co. work order # 12787.


 Nick Porcel
 FAA Repair Station # ETER699D

3/31/2013 N117LF Tach Time 79.1

Drained oil, Removed and replaced filter CH48108-1 And serviced with 8 Qts of Aeroshell 100W Plus oil. Test Ran leak checked, put back into service. Sent sample of oil to Blackstone Laboratories for analysis. Steven Daiagi PVT Pilot 3519047 

5/13/2013 N117LF Tach Time 96.1 Hobbs 139.9

Removed & replaced Lt Main & Rt Main W/ new Goodyear FLT Custom III 15x60 6ply and new Goodyear Butyl tubes. Wheel bearings cleaned, inspected, repacked & installed. Inspected Brake pads & caliper Steve Daiagi PVT Pilot 3519047 



14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date

Carried forward

Date: 5/06/2013; Aircraft: N117LF; Type: Cirrus SR20; S/N: 2148; Total Time: 101.70; Engine - Type: IO-360-ES(25)B, S/N: 1006112, Time: 101.70

- 1) Performed Cirrus Annual/100 Hr Inspection I/AW The Cirrus SR20 Maintenance Manual
- 2) Compression Check: #1) 76/80, #2) 78/80, #3) 76/80, #4) 76/80, #5) 76/80, #6) 73/80
- 3) Drained Oil, Replaced Filter Element, Inspect Old Filter Element For Metal, None Noted, Serviced Engine With Aeroshell 100 Plus Oil, Leak Check Ok
- 4) Took Oil Sample, Filled Out All Forms
- 5) Clean All Fuel Injection Nozzles
- 6) Clean & Gap All Spark Plugs
- 7) Secure All Rocker Box Covers, No Leaks Noted
- 8) Install New #2 Alternator P/N# 653344 S/N# H-H-101213, By Continental Motors Under W/O# 340280 0000117584 Form Tracking# 268524, See Form 8130, Ops Check Ok
- 9) AD 2011-26-07 D/N/A Per Engine Manufacture Date & TCM Magnetos Installed, No Further Action
- 10) AD 2012-03-06C D/N/A No AvStar Fuel System Installed

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION UNDER FAR 43 APPENDIX "D" ANNUAL/100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 13-1976 DATE: 05/06/2013

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP735430361A



14299 SW 127th St, Suite 101
Miami, Florida 33186
Ph: 305-259-8291 Fx: 305-259-8302

Date: 6/06/2014; Aircraft: N117LF; Type: Cirrus SR20; Total Time: 144.20; Engine - Type: IO-360-ES(25)B, S/N: 1006112, Time: 144.20

- 1) PERFORMED ANNUAL/100 HR INSPECTION.
- 2) PERFORMED COMPRESSION CHECK : #1 76/80, #2 74/80, #3 74/80, #4 76/80, #5 74/80, #6 75/80.
- 3) DRAINED OIL, REPLACED FILTER ELEMENT, INSPECT OLD FILTER ELEMENT FOR METAL, NONE NOTED. SERVICED ENGINE WITH PHILLIPS 20W50 OIL., LEAK CHECK OK.
- 4) TOOK OIL SAMPLE, FILLED OUT ALL FORMS.
- 5) CLEANED AND GAPPED ALL SPARK PLUGS.

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION UNDER FAR 43 APPENDIX "D" ANNUAL/100 HOUR INSPECTION AND IS APPROVED FOR RETURN TO SERVICE, ALL APPLICABLE AD'S HAVE BEEN REVIEWED AND UPDATED; PERTINENT DETAILS OF THE REPAIR ARE ON FILE UNDER CORRESPONDING SHOP ORDER REFERENCE NUMBER 13-1985 DATE: 06/06/2014

SIGNATURE OF AUTHORIZED REPRESENTATIVE:
FOR: ADVANCED AIRCRAFT CENTER, INC PETER J. LO BELLO AP735430361A



N117LF Cirrus Design

July 10, 2015

Registration No. N117LF
Model Number: SR-20
Serial Number: 2148
TSDS A00009CH

Tach 223.9 hrs
Hobbs 304.0 hrs
ENG-TTSN 223.9 hrs

ENGINE LOG ENTRY – Annual Inspection

Teledyne Continental Motors Engine

Engine Type Certificate No. E1CE Rev 17
M/N IO-360-ES25B 200 Bhp @ 2,700 rpm
S/N 1006112
TCDS E1CE Rev 17.

Conduct engine annual inspection in accord with 14.CFR.Part 43 Appendix D & AC 43.13 (1b2b).

Checked all Cylinder compressions when hot. Cylinder compression test results:
Cyl-1 77/80 psig, Cyl-2 78/80 psig, Cyl 3 76/80, Cyl-4 74/80 psig, Cyl-5 71/80, Cyl-6 78/80.
Inspect all fuel injection distribution lines for cracks and leaks at distributor and cylinders.
No evidence of cracks or leaks observed.

Remove Continental drain plug 636376-H & install quick drain valve Curtis Model number SS6250
Change Oil and Oil filter – Service with 8 qts of Aeroshell-100+, & Tempest Oil Filter CH48108-2
Cut open existing oil filter, no contamination found. Provided owner with old oil sample for
analysis. Run up engine and check for leaks, none observed, Ops check OK.

Remove, clean, gap, test, rotate and reinstall RHM38E Spark Plugs.
Gap set at 0.016" to 0.021". Apply electrically conductive grease to all cigarette tips.
Apply anti-seize compound to plug threads, Replace spark plug washers with new
Champion M-674 copper washers. Torque spark plugs to 25 to 30 Ft-lbf.
Total time on plugs: 223.9 hrs

Magnetos:

Oil leak found on left magneto to accessory case interface. Remove left mag, install new gasket,
re-time both mags, run up engine and test. Mag drops: 60 rpm right and 80 left. Max permissible
drop 150 rpm and max differential permissible 75 rpm. Ops check OK.
Check timing of existing magnetos, mags slightly retarded, re-set at 24° per Engine Data Plate.
Left Side: PN 10-500556-3, Type S6L5C-25, SN D12AA060.
Right Side PN 10-500556-3, S6L5C-25, SN D11LA059.
Total time since magneto's new = 223.9 hrs.

Found No. 2 Continental Alternator inoperative. PN: 653344; SN: H-H-101213.
Placarded in-operative at owner's request – aircraft may be operated VFR flight
only according to Cirrus. Cirrus service center to remove and replace no 2 alt'n.

Conduct Engine Annual inspection, complied with all AD's thru 2015-11, see separate AD
compliance record. All work above was accomplished in accordance with the appropriate
sections of 14.CFR Part 43 Appendix D & FAA AC 43.13-1B2B.

**I certify that this engine has been inspected in accordance with an annual inspection per
14.CFR Part 43 & AC 43.13(1b2b) Appendix D and have determined it to be in airworthy
condition and approve it for return to service.**


Edward S. Sorrell A&P 3472028 IA

Date

Hours

Min

Hours

Min

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carried forward →

ENGINE LOGBOOK ENTRY

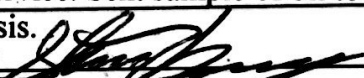
S/N 1006112 MODEL: IO-360-ES25B
REG.# N117LF DATE: 02/12/2016 TIME: TACH: 265.3
T.S.N. 265.3

MAINTENANCE ITEMS C/W.

1. REMOVED RIGHT MAGNETO , SENT TO TROPIC AIRPOWER FOR REPAIR . INSTALLED P/N 10-500556-3 S/N D11LA059 AND RE-TIMED BOTH MAGNETO'S TO THE ENGINE. (SEE 8130-3 W.O. T4033)
2. GROUND RUN AND OPERATIONALLY CHECKED . ALL CHECKS NORMAL.

JIM FLEMING
A&P 3437766 

4/09/2016 N117LF Tach Time 275.3

Drained oil, Removed and replaced filter CH48108-1
And serviced with 8 Qts of Aeroshell 100W Plus oil. Test
Ran leak checked, put back into service. Sent sample of oil to
Blackstone Laboratories for analysis.
Steven Daiagi PVT Pilot 3519047 

ENGINE LOGBOOK ENTRY

S/N 1006112 MODEL: IO-360-ES25B T.S.N.
REG.# N117LF DATE: 03/07/2017 TIME: TACH: 301.1

MAINTENANCE ITEMS C/W.

1. COMPRESSION CHECK AS FOLLOWS:
#1 74/80 #2 70/80 #3 77/80 #4 76/80 #5 70/80 #6 72/80
2. INSPECTED FUEL SYSTEM FOR LEAKS .
3. CLEANED AND GAPPED SPARK PLUGS

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN
ACCORDANCE WITH F.A.R. 43 APPENDIX "D" ANNUAL INSPECTION AND WAS
FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

MICHAEL MURRELL
A&P 262176312 I.A. 

ENGINE LOGBOOK ENTRY

S/N 1006112 MODEL: IO-360-ES25B T.S.N. 328.6
REG.# N117LF DATE: 03/10/2018 TIME: TACH: 328.6

MAINTENANCE ITEMS C/W.

1. COMPRESSION CHECK AS FOLLOWS:
#1 77/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 77/80
2. INSPECTED FUEL SYSTEM FOR LEAKS .
3. REMOVED AND REPLACED ALL SPARK PLUGS.
4. DRAINED OIL, REMOVED AND REPLACED OIL FILTER
P/N AA48108-2, SERVICED WITH 8 QTS. OF AEROSHELL 100PLUS.

I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN
ACCORDANCE WITH F.A.R. 43 APPENDIX "D" ANNUAL INSPECTION AND WAS
FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

MICHAEL MURRELL
A&P 262176312 I.A. 

Total Time	Time Since Last Overhaul
------------	--------------------------

Engine Service and Maintenance Record

Registration: N117LF Date: 4-12-2019
 Model: Cirrus SR20 S/N: 2148 ACTT: 442.4

Engine Log Book Entry

Engine Model: IO-360-ES25B S/N: 1006112

The engine has been inspected in accordance with a **100 Hour Inspection** and determined to be in an airworthy condition at this time. Complied with Inspection Checklist as per Appendix D to Part 43, Cirrus Scheduled Inspection Report, Section 5-20 of the cirrus Maintenance Manual. For AD compliance see AD listing.

Compressions #1 76/80 #2 77/80 #3 78/80 #4 77/80 #5 77/80 #6 77/80 Master orifice 46. Drained oil, replaced filter, Added 8 qts W100 Aeroshell oil, cleaned and gapped plugs, checked magneto timing, serviced air filter, cleaned injectors. C/W AD inspection IAW 2019-06

I certify this article been repaired and inspected in accordance with the current federal aviation regulations and was determined to be in airworthy condition with respect to the work performed and is approved for return to service

SIGNATURE *[Handwritten Signature]*



14700 North Airport Drive • Suite 130 • Scottsdale, AZ 85260 • (480)991-5387

Tail Number: N117EF Model: IO-360-ES25B S/N: 1006112 Date: May 24, 2019
 Hobbs Meter: 598.4 LNDS: N/A

TACH 462.4

ENGINE LOG ENTRY

Drained Engine oil and obtained oil sample for analysis. Removed oil filter assy. Cut and inspected oil filter for metal contamination, filter normal. Installed new oil filter PN: CH48108-1 and serviced engine with 8 quartz Phillips XC 20W-50 oil in accordance with CMM-7 Sec. 6-3.

Compression checks in accordance with CMM-0 Sec. 6-4.11.2. #1 - 50/80, #2 - 64/80, #3 - 68/80, #4 - 54/80, #5 - 52/80, #6 - 50/80, Master Orifice Reading 40 PSI. Tool GT075 S/N: 3518 Calibration Due 06-2020

Adjusted prop governor low pitch stop. Ran aircraft at full power reaching 2660 RPM. Work accomplished IAW Cirrus SR20 AMM Chap. 61-20.

Performed satisfactory post maintenance ground/leak checks, no defects noted at this time.

I certify that this aircraft has been Inspected/Repaired IAW the current FAA Regulations and Cirrus SR20 A.M.M Maintenance Manual PN: P/N 12137-001, Rev. Orig., dated June 2010. This Aircraft has been determined to be in an airworthy condition and is approved to return to service in regards to the work accomplished. For additional details see W/O# 0519312 & 0519320.

Signature: *[Handwritten Signature]*

Cert: FAA CRS# GNUR484X

Ca

nd
is,

