

ENGINE LOG BOOK



Service Information

Consult TCM Internet Services at genuinecontinental.aero for engine related news or announcements. TCM Internet Services contains useful information for TCM 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 TCM Customer Service Department at:
1-800-826-5465 Toll free in the United States or
1-251-438-8299 International

Engine Returns

Return engines for core credit with this log book to:

Teledyne Continental Motors
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

Teledyne Mattituck Services
410 Airway Drive
Mattituck, NY 11952 USA

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



Teledyne Continental Motors, Inc.

www.GenuineContinental.aero

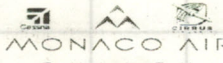
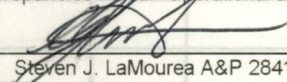
Production Certificate 508

Printed: 06/27/2011

Test Date: 06/24/2011

This engine model I0360ES22B, serial number 1004857 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		Time Since Last Overhaul		Engine Service and Maintenance Record 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	
					 4535 Airport Approach Rd. Duluth, MN 55811 (218) 727-2911 Cirrus Authorized Service Center Cessna Authorized Service Facility
					Date: 10/13/2011; Aircraft: N16KE; Type: SR20; S/N: 2091; Hobbs: 30.5; Total Time: 22.3; Engine - Type: IO-360-ES, S/N: 1004857, Time: 22.3, SMOH: 22.3 Shop Order #: 11-8011 (FLT TIME: 22.3 Hrs.) Changed oil and filter P/N CH-48108-1. Serviced with 8 quarts Aeroshell 15W50. Cut open and inspected oil filter, no discrepancies noted. Operational and leak checks good. All work done IAW CDC AMM 12-10.
					Signature:  Steven J. LaMourea A&P 2841160

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(22)

s/n:1004857

N16KE

11-15-11 Hobbs:70.7hrs. Flight Hrs:55.8hrs. Performed 50hr inspection per Cirrus SR-20 Inspection guide. Oil drained filter removed and contents examined. No contaminants found. New filter installed and engine serviced to capacity with Aeroshell 15-W-50 oil.. Engine ran no leaks noted.

Ed Rogalski A&P3543696

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(22)

s/n:1004857

N16KE

2-23-12 Hobbs:136.4hrs. Flight Hrs:118.1hrs. Oil drained filter removed and contents examined, no contaminants found. New filter installed and engine serviced with 7qts with Aeroshell 15-W-50 oil. Engine ran stems function normal no leaks noted.


 Bryan M Wood A&P3216290

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES(22)

s/n:1004857

N16KE

4-13-12 Hobbs:199.8hrs. Flight Hrs:164.7hrs. Oil drained filter removed and contents examined, no contaminants found. New filter installed and engine serviced with 7qts with Aeroshell 15-W-50 oil. Engine ran stems function normal no leaks noted.


 Bryan M Wood A&P3216290

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	

Carried forward

Southeast Aero Services Inc.

St Augustine, FL.

Phone (904) 824-1899/Fax (904) 824-6334

TCM IO-360-ES (22B)

s/n:1004857

N16KE

9-7-12 Hobbs:281.7hrs. Engine TT:235.0hrs. Completed an Annual inspection in accordance with Chapter 5, Cirrus SR-20 Scheduled inspection report. Compression checked as follows: 1)75/80 2)74/80 3)72/80 4)72/80 5)75/80 6)75/80. Oil drained filter removed and contents examined. No contaminants noted. New filter installed and engine serviced to capacity with Aeroshell 15-W-50 oil. Removed, cleaned fuel injector nozzles. Units reinstalled using new packing/seals. Cleaned, gapped and rotated sparkplugs. Installed new induction air filter element. AD's checked thru FAA Bi Weekly 2012-17. No AD's due at this time. Performed TCM SID 97-3E. Engine ran and leak checked satisfactory.

I certify this engine has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy condition at this time.

Bryan M Wood
Bryan M Wood A&P3216290IA



AOA Maintenance LLC
319 N Crystal Lake Drive
Orlando Florida 32803



N16KE
S/N: 2091
MODEL: SR20

TACH: 0203.1
HOBBS: 0244.4

JUNE 8, 2012

ENGINE

Drained engine oil, removed filter, inspected element, no defects noted. Installed new filter CH48108-1. Serviced engine with 8qts AS-15W-50 oil. Post run leak check good.

C. Wilson
CHARLES WILSON
A&P 3114515

ENGINE ENTRY

"N" #:	Make:	Model:	Serial #:	Total Time:	Date:
N16KE	CIRRUS	SR20	2091	246.3	5/13/2013

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH INDUSTRY STANDARDS.
2. COMPLIED WITH ENGINE COMPRESSION CHECK IN ACCORDANCE WITH AC 43.13-1B, APPLICABLE SECTIONS OF CHAPTER 8, SECTION 1. COMPRESSION FIGURES: #1 78/80, #2 78/80, #3 77/80, #4 78/80, #5 77/80, AND #6 78/80.
3. INSPECT OIL FILTER FOR CONTAMINANTS. REMOVED OIL FILTER AND CUT OPEN-NO CONTAMINANTS FOUND. REPLACED OIL FILTER WITH NEW P/N CH48108-1 AND RE-INSTALLED. ENGINE GROUND RUNS AND LEAK CHECKS GOOD IN ACCORDANCE WITH SR20 MAINTENANCE MANUAL, APPLICABLE SECTIONS OF CHAPTER 12-10.

*****MAINTENANCE RELEASE*****
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 91991.



SIGNED BY: *Jack Aaron* FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	
Carried forward →					

ENGINE MODEL:
IO360ES22B
ENGINE S/N: 1004857
REG. NO: N16KE
WORK ORDER:
2990-07-2013



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 7/31/2013
A/C TSN: 331.6
ENG TT: 277.4
HOBBS: 277.4

Engine Entries

Removed engine IO-360-ES22B, S/N 1004857 for tear down inspection at TCM.

Maintenance Release

The aircraft and/or component(s) on N16KE was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 7/31/2013

SIGNED:

Richard A. Barnhart II, IA: 3124994AP

Work Order: 2990-07-2013

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DATE: December 4, 2013	ENGINE MODEL: IO360ES22B	ENGINE S/N: 1004857	ENGINE T.T. 277.4
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CONTINENTAL MOTORS FACTORY SERVICE CENTER
MATTITUCK SERVICES

This engine was delivered to Continental Motor's Factory Service Center for inspection due to a propeller strike. Engine disassembled and inspected in accordance with CMI SB 96-11. The following items were replaced: R/H Magneto SN D11EA147 removed and SN D13IA218R installed, L/H Magneto SN D11EA141 removed and SN D13IA203R installed, Camshaft SN 91177 removed and SN 184575 installed, replaced all 6 Connecting Rods, and the Starter Adapter. Cylinders were disassembled, cleaned, and repaired as required for serviceable condition. Crankshaft was recertified IAW MSB96-10A. Engine assembled in accordance with CMI overhaul manual X30594 Revision Date August, 2011 using new seals, gaskets and "O" rings. New connecting rod bolts, nuts and bearings and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with. This engine has been tested in accordance with procedures listed in overhaul manual X30594 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility. Work Order ES-1106

Complied with:
M87-23, M89-7R1, M90-13, M91-9, M93-4, MSB96-10, MSB96-10A, SB00-1, SB00-3A, SB03-3, SB04-11, SB07-1, SB08-13, SB08-4, SB09-14, SB96-11B, SB96-12, SB96-7C, and SB97-6B

MECHANIC: Luisa Ballard 9CER853B AUTHORIZATION: Charles E. Dwyer 9CER853B

9 Jan 2014	331.6	277.4	INSTALLED THIS ENG IO-360-ES22B S/N 1004857 ON CIRRUSS SR20 S/N 2091 N16KE. OPS AND LEAK CHECK ARE GOOD. RICHARD BARNHART II AP 3124994 IA
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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record 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	

Carried forward

ENGINE MODEL:
IO360ES22B
ENGINE S/N: 1004857
REG. NO: N16KE
WORK ORDER:
3207-01-2014



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 4/2/2014
A/C TSN: 278.6
ENG TT: 278.6
HOBS: 333.3

Engine Entries

Cirrus Engine Annual Inspection completed using the Cirrus AMM check list ch. 5-20. Compression check (x/80) 1: 76 2: 74 3: 72 4: 74 5: 74 6: 74. Drained and sampled the oil, removed and inspected the oil filter. Installed a new oil filter and serviced the engine with 7 quarts of Aeroshell 80 Mineral. Cleaned, gapped and tested the spark plugs. Cleaned the fuel injector nozzles. Checked the mag timing. Final run up/leak check good. All Ad's current thru 2014-06.... AD 2012-03-06 Avstar Diaphragms, N/A, not installed.... AD 2011-26-07 Slick Mags, N/A, Bendix mags are installed.

I certify that this ENGINE has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 4/2/2014

SIGNED:

Work Order: 3207-01-2014

Richard A. Barnhart II, IA: 3124994AP

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ENGINE MODEL:
IO360ES22B
ENGINE S/N: 1004857
REG. NO: N16KE
WORK ORDER:
3410-06-2014



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 6/17/2014
A/C TSN: 306.1
ENG TT: 306.1
HOBS: 365.9

Engine Entries

Drained the engine oil and replaced filter. Serviced engine with 7 qts of Phillips 20W50 X/C. Cut open filter and inspected, no contamination found at this time. Ground run and leak checked good.

Maintenance Release

The aircraft and/or component(s) on N16KE was repaired and inspected in accordance with the current rules and regulations of Title 14 of the Code of Federal Regulations, was found Airworthy and was returned to service.

DATE: 6/17/2014

SIGNED:

Work Order: 3410-06-2014

Derrick S. Miller, A&P: 3221608

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ENGINE MODEL:
IO360ES22B
ENGINE S/N: 1004857
REG. NO: N16KE
WORK ORDER:
3864-04-2015



Advanced Lancaster LP
530 Airport Rd.
Lititz, PA 17543
Phone: 717-735-5179

DATE: 5/21/2015
A/C TSN: 328.2
ENG TT: 328.2
HOBS: 391.6

Engine Entries

Cirrus Engine Annual Inspection completed using the Cirrus AMM check list ch. 5-20. Compression check (x/80) 1: 76 2: 74 3: 76 4: 76 5: 74 6: 74. MO 44. Drained and sampled the oil, removed and inspected the oil filter. Installed a new oil filter and serviced the engine with 8 quarts of Phillips XC 20W-50. Cleaned, gapped and tested the spark plugs. Cleaned the fuel injector nozzles. Checked the mag timing. Final run up/leak check good. All Ad's current thru 2015-10.... SA13-06 TCM SB13-4A Fuel Pump Replacement, N/A by pump S/N.... Installed an engine oil quick drain.

I certify that this ENGINE has been inspected IAW an Annual Inspection and was found to be in Airworthy condition.

DATE: 5/21/2015


SIGNED:


Work Order: 3864-04-2015

Richard A. Barnhart II, IA: 3124994AP

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Date		Total Time	Time Since Last Overhaul	ENGINE ENTRY			Description	
"N" #:	Make:	Model:	Serial #:	Total Time:	Date:			
N16KE	CIRRUS	SR20	2091	362.4	6/01/2016			
<p>*****MAINTENANCE RELEASE*****</p> <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 93652.</p>								
<p>SIGNED BY: <i>Jack Aaron</i> FOR EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170 FAA APPROVED REPAIR STATION NO. FEHR859D</p>								
<p>*****MAINTENANCE RELEASE*****</p> <p>THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94421.</p>								
<p>SIGNED BY: <i>Wm W</i> FOR EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170 FAA APPROVED REPAIR STATION NO. FEHR859D</p>								

Total Time		Time Since Last Overhaul		Engine Service and Maintenance		ENGINE ENTRY	
Date	"N" #:	Make:	Model:	Serial #:	Total Time:	Date:	
	N16KE	CIRRUS	SR20	2091	422.0	02/27/2018	
Description							
1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH CFR 145.211(c)(ii).							
2. COMPLY WITH OIL & FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO CONTAMINANTS NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED I/A/W CIRRUS SR20 MM, APPLICABLE SECTION OF CHAPTER 12-10.							
*****MAINTENANCE RELEASE*****							
THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94910.							
		SIGNED BY: <u>[Signature]</u> FOR EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170 FAA APPROVED REPAIR STATION NO. FEHR859D					
Carried forward -							

wo: WO 080118-04		Engine - page 1 of 1	
			
Airtech, LLC - 662 Airport Road - Buckhannon, West Virginia 26201 - 304-439-2445			
N16KE	Continental, I0360ES22B, S/N: 1004857		August 23, 2018
Hobbs: 509.2	Flight hours: 431.6		
<p>Complied with 100 hr./Annual inspection IAW Cirrus SR20 AMM , applicable section of chapter 5-20 and FAR 43 appendix D, performed operational checks and ground runs IAW Cirrus AMM 5-30, no defects noted at this time, Performed compression check performed hot: #1, 73/80, #2 75/80, #3 70/80, #4, 78/80, #5 78/80, #6 76/80, Drained oil and serviced with 8 qts. of Phillips XC20W50 oil, removed oil filter and cut open and inspected filter element, no contaminants found. installed (1) CH48108-1 - OIL FILTER, Performed operational and ground run checks IAW Cirrus SR20 AMM 5-30, no leaks or defects noted at this time, Removed and replaced induction air filter IAW Cirrus SR20 AMM 71-60-2A installed (1) 50207-200 - Air Filter.</p> <p>Removed induction air duct, cleaned and inspected and reinstalled duct assy. IAW cirrus SR20 AMM 71-60-2C, performed ops check on alternated air, no defects noted at this time. Readjusted clamps and stand-offs to provide clearance between hose and intake pipe IAW Cirrus SR20 AMM 20-70.</p> <p>All Airworthiness Directives current through 08/23/2018</p>			
<p>With respect to the work performed, this aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected/tested in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details of work performed are on file with Airtech, LLC under work order: WO 080118-04.</p>			
Nicholas Upton CRS# 5A8D960B		<u>[Signature]</u>	