

ENGINE LOG BOOK



N553MC SER 0598

BOOK 1 OF 2

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: 8/12/2013

Test Date: 8/12/2013

This engine model TSI0550K1B, serial number 1008866 was manufactured by 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 Continental Motors Service Bulletins.

Thomas Howard

| 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 | |
| GREAT RIVER AVIATION, LLC 1647 Hwy. 104, Quincy Regional Airport Quincy, IL 62305 Phone: (217) 885-3353 | | | | | |
| October 9, 2013 | | | | | Work Order No. <u>GRA1485</u> |
| | | | | | N553MC Tach Time <u>0024.6</u> |
| <p>Changed oil and filter, inspected old oil filter - No contaminants found. Serviced engine with 7 quarts Aeroshell 100 Mineral and CH48108-1 oil filter. Engine run-up and leak check - No defects noted. The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.</p> | | | | | |
| <p>Signed <u>[Signature]</u> License # <u>AAP3563136</u></p> | | | | | |
| GREAT RIVER AVIATION, LLC 1647 Hwy. 104, Quincy Regional Airport Quincy, IL 62305 Phone: (217) 885-3353 | | | | | |
| December 28, 2013 | | | | | Work Order No. <u>GRA1493</u> |
| | | | | | N553MC Tach Time <u>0049.8</u> |
| <p>Changed oil and filter, inspected old oil filter - No contaminants found. Serviced engine with 7 quarts Aeroshell 100W oil and CH48108-1 oil filter. Engine run-up and leak check - No defects noted. The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.</p> | | | | | |
| <p>Signed <u>[Signature]</u> License # <u>AAP3563136</u></p> | | | | | |
| GREAT RIVER AVIATION, LLC 1647 Hwy. 104, Quincy Regional Airport Quincy, IL 62305 Phone: (217) 885-3353 | | | | | |
| October 5, 2014 | | | | | Work Order No. <u>GRA1513</u> |
| | | | | | N553MC N4137U Tach <u>0087.6</u> |
| <p>Performed 100 Hr/annual inspection:- Drained oil. Inspected old oil filter - No contaminants found. Serviced engine with 7 qts Aeroshell 100W and CH48108-1 filter. Cleaned induction air filter. Compression check 1)70/80 2)71/80 3)71/80 4)75/80 5)72/80 6)75/80. Checked mags and mag timing. Cleaned, gapped, tested, and rotated sparkplugs. Inspected baffling. Washed engine. Checked and lubed engine controls. Inspected fuel - oil - exhaust - turbo & induction systems. Engine run-up - No defects noted ADs checked thru 2014-20</p> | | | | | |
| <p>I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition.</p> | | | | | |
| <p>Signed <u>[Signature]</u> License # <u>AAP3563136</u></p> | | | | | |
| GREAT RIVER AVIATION, LLC 1647 Hwy. 104, Quincy Regional Airport Quincy, IL 62305 Phone: (217) 885-3353 | | | | | |
| January 10, 2015 | | | | | Work Order No. <u>GRA1528</u> |
| | | | | | N553MC Tach Time <u>0114.2</u> |
| <p>Changed oil and filter. inspected old oil filter - No contaminants found. Serviced engine with 7 quarts Aeroshell 100W oil and CH48108-1 oil filter. Engine run-up and leak check - No defects noted. The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.</p> | | | | | |
| <p>Signed <u>[Signature]</u> License # <u>AAP3563136</u></p> | | | | | |

Engine Service and Maintenance Record

| | | | |
|--------------|------------|--------------------------|--|
| Date | Total Time | Time Since Last Overhaul | |
| June 5, 2015 | N553MC | Tach Time 0147.0 | |

GREAT RIVER AVIATION, LLC
 1647 Hwy. 104, Quincy Regional Airport
 Quincy, IL 62305
 Phone: (217) 885-3353
 Work Order No. GRA1545

Carrie
 Changed oil and filter, inspected old oil filter - No contaminants found.
 Serviced engine with 7 quarts Aeroshell 100W oil and CH48108-1 oil filter.
 Engine run-up and leak check - No defects noted.
 The aircraft identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.
 Signed [Signature]
 License # N43507036

GREAT RIVER AVIATION, LLC
 1647 Hwy. 104, Quincy Regional Airport
 Quincy, IL 62305
 Phone: (217) 885-3353
 Work Order No. GRA1571

N553MC
N4437U
 October 13, 2015 Tach 0179.8

Performed 100 Hr/annual inspection--
 Drained oil. Inspected old oil filter - No contaminants found.
 Serviced engine with 7 qts Aeroshell 100W and CH48108-1 filter. Cleaned induction air filter.
 Compression check 1)69/80 2)66/80 3)76/80 4)77/80 5)67/80 6)75/80.
 Checked mags and mag timing.
 Cleaned, gapped, tested, and rotated sparkplugs.
 Inspected baffling. Washed engine. Checked and lubed engine controls.
 Inspected fuel - oil - exhaust - turbo & induction systems.
 Engine run-up - No defects noted
 ADs checked thru 2015-2C

I certify that this ENGINE has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
 Signed [Signature]
 License # N43507036

| | | |
|-----------------|------------------------------------|-----------------|
| ENGINE MODEL: | Lone Mountain Aircraft Maintenance | DATE: 4/20/2016 |
| ENGINE S/N: | | A/C TSN: 232.8 |
| REG. NO: N553MC | 2460 Greentree Road | ENG TT: |
| WORK ORDER: | Hangar 12 | TACH: 197.2 |
| 1391-04-2016 | Lebanon, Ohio 45036 | |
| | Phone: 888-566-3686 | |

Engine Entries

(2) Oil and filter change due.... Drained oil and replaced with 7 quarts of Phillips 20W-50XC. Oil sample taken and sent to Blackstone for analysis. Removed old filter, opened and inspected pleats for foreign material, no defects noted at this time. Installed and safetied champion oil filter P/N CH48108-1. Performed engine run for leak check, no leaks noted... (5) Oil pressure too high and needs turned down 5 PSI.... Turned oil pressure adjustment out approximately 1 1/2 turn.

DATE: 4/20/2016 SIGNED: [Signature] Work Order: 1391-04-2016
 Ryan Yenger, A&P: 3669633 Printed by EBis 3 (datcomedia.com)

| | | |
|-----------------|------------------------------------|-----------------|
| ENGINE MODEL: | Lone Mountain Aircraft Maintenance | DATE: 6/30/2016 |
| ENGINE S/N: | | A/C TSN: 250.3 |
| REG. NO: N553MC | 2460 Greentree Road | ENG TT: |
| WORK ORDER: | Hangar 12 | TACH: 210.7 |
| 1416-06-2016 | Lebanon, Ohio 45036 | |
| | Phone: 888-566-3686 | |

Engine Entries

(1) Adjusted fuel flow to read 40 gph at takeoff power.... (2) Adjusted Idle RPM to 850.... (3) Removed and replaced Starter Drive Adapter. Started engine several times and verified no grinding or resistance was present.

DATE: 6/30/2016 SIGNED: [Signature] Work Order: 1416-06-2016
 Ryan Yenger, IA: 3669633 Printed by EBis 3 (datcomedia.com)

Engine Service and Maintenance Record

| Date | Total Time | | Time Since Last Overhaul | |
|------|------------|-----|--------------------------|-----|
| | 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 →



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case road
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 05/16/2017 Work Order#: AM07667 N#: 553mc
Aircraft Make/Model: Cirrus SR22T Serial#: 0598

Tach. Time: 303.4

Engine Log:

Drained oil and took Black Stone oil sample. Installed new oil filter P/N AA48108-2 (8130-3) and Serviced engine with 7qts Phillips 20W50 oil. Ground ran engine leak check normal.

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

END

Signature: *[Signature]* for CRS# IKBR028F



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 09-06-17 Work Order#: AM07871 N#: 553MC

Aircraft Make/Model: Cirrus SR22T Serial#: 598

Engine Make/Model: TCM TSI0550K Serial#: 1008866

Hour Meter: 327.9 Engine TSMOH: New Engine TT: 327.9

Engine Log:

1. Complied with an Engine 100hr Inspection using Cirrus SR22/22T AMM Chapter 5 Inspection Guide Revision B6 dated 1/1/2016 and other current data
2. Compressions: 1) 64/80 2) 70/80 3) 60/80 4) 64/80 5) 76/80 6) 66/80.
3. Changed oil & filter, no metal in old filter. Serviced with 8 Qts. 20W50 Phillips X/C oil & AA48108-2 filter (8130-3).
4. Installed new TCM starter adapter p/n 658440A3 s/n 0927 & Starter motor p/n ES646275-1 s/n H-R052747 IAW TCM 550 Series Maint Manual. Starter function normal with no abnormal noises
5. Set idle speed & mixture.
6. Engine run-up check was normal.

I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru 2017-16

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Signature: *[Signature]* for CRS# IKBR028F



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case road
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 04/20/2018 Work Order#: AM08364 N#: N553MC

Aircraft Make/Model: Cirrus / SR22T Serial#: 0598

Engine Make/Model: Cont. / TSI0-550-K

Flight Time: 390.5

Engine Log:

1. Installed new oil filter P/N AA48108/2 (8130-3) and serviced engine with 8 qts Phillips 20W50 oil. Ground ran engine leak check normal.
2. Timed both magnetos to 24° TDC from 20° per Continental TSI0-550-K OHM. Ground ran engine Magnetos check within limits.

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

END

Signature: *[Signature]* for CRS# IKBR028F



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 10/03/2018 Work Order#: AM08703 N#: 553MC

Aircraft Make/Model: Cirrus SR22T Serial#: 0598

Engine Make/Model: TCM TSI0550K Serial#: 1008866

Hour Meter: 439.1 Engine TSMOH: N/A Engine TT: 439.1

Engine Log:

1. Complied with an Engine 100hr Inspection using Cirrus SR22/22T AMM Chapter 5 Inspection Guide Revision B6 dated 1/1/2016 and other current data.
2. Compressions: 1) 63/80 2) 63/80 3) 49/80 4) 52/80 5) 72/80 6) 60/80 Master Orifice: 46/80
3. Drained oil sump, replaced oil filter P/N AA48108-2 (C of C), and serviced engine with 8qts of Phillips 20W50 X/C.
4. Retimed mags to 24 deg. BTDC per engine data plate.
5. Run up and leak check normal

I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru 2018-18

"Maintenance Release"

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency.

Signature: *[Signature]* for CRS# IKBR028F

| 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 | |

CIRRUS SR22T

ENGINE LOG

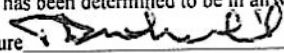
G-FORCE AVIATION INC

REGISTRATION :N553MC
Flt. Time: 683.8
A/C S/N 0598
Date: 12/17/2021

5430 Lauby Rd. Bldg. # 17
Canton OH. 44720
Ph. 330-499-9790
CRS#G25R150C

Performed 100 hour / annual inspection in accordance with Cirrus SR22 airplane maintenance manual 100hour/annual inspection guide 5-20. Researched and complied with all applicable AD's using current ATP search engine. See AD compliance record for details. Removed propeller spinner, cleaned spinner and propeller, lubricated prop, inspected and reinstalled spinner. IAW Hartzell Propeller Owners Manual chapter 61-00-45. Complied with compression check per TCM MM (M-O) Chapter 6.4, Cylinders #1) 50/80, #2) 70/80, #3) 72/80, #4) 74/80, #5) 66/80 #6) 48/80, Master orifice 46. Changed engine oil, serviced engine with 8 qts. Phillips 20W50, installed new oil filter P/N AA48108, cut open old filter, no metal found. Installed new air filters P/N 27166-001. Cleaned, gapped, and tested spark plugs. C/W 500 hr inspection on left and right mags, left mag. P/N 10-500556-101 S/N D136A036, right mag P/N 10-500556-101 S/N D136A035. Timed mags. to engine (24 degs.). Lubed engine controls. Ground ran and leak checked engine with no defects

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS#G25R150C under work order # G1844. I certify that this aircraft has been determined to be in airworthy condition.

Signature  Date 12/17/21

CIRRUS SR22 T

ENGINE LOG

G-FORCE AVIATION INC

REGISTRATION :N553MC
Hobbs. Time: 910.7
Flight. Time: 707.5
Date: 6/10/2022

5430 Lauby Rd. Bldg. # 17
Canton OH.44720
Ph. 330-499-9790
CRS#G25R150C

Oil change required. Per Cirrus SR22T AMM 71-10 along with AMM 12-10, changed oil and filter. Cut open old filter and inspected with no defects noted. Serviced engine with 8 quarts of Phillips 20W50, installed new oil filter P/N AA48108 and performed engine ground maintenance operations with no defects noted at this time.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS#G25R150C under work order # G1917 I certify that this aircraft has been determined to be in airworthy condition.

Signature  Date 6-10-22

CIRRUS SR22 T

ENGINE LOG

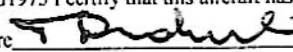
G-FORCE AVIATION INC

REGISTRATION :N553MC
Hobbs. Time: 952.8
Flight. Time: 740.1
Date: 10/5/2022

5430 Lauby Rd. Bldg. # 17
Canton OH.44720
Ph. 330-499-9790
CRS#G25R150C

Oil change required. Per Cirrus SR22 AMM 79-20 along with AMM 12-10, changed oil and filter. Cut open old filter and inspected with no defects noted. Serviced engine with 8 quarts of Phillips 20W50, and installed new oil filter P/N AA48108, performed engine ground maintenance operations with no defects noted at this time.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at G-Force Aviation CRS#G25R150C under work order # G1975 I certify that this aircraft has been determined to be in airworthy condition.

Signature  Date 10-5-22

| Date | Total Time | | Time Since Last Overhaul | | <i>Engine Service and Maintenance Record</i> |
|------|------------|-----|--------------------------|-----|---|
| | 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 -


Continental Engine Assembly Model TSIO550-K1B S/N 1008866

Complied with Continental Aerospace Technologies Inc. publication M-0, Rev.1 Change 6 section 6.5.1.1 for propeller strikes. **Inspected and Repaired as necessary** IAW Continental Aerospace Technologies Inc. publication M-18 & Online IPC. AD compliance verified through 2023-09-09. Dynamometer test results satisfactory. OVH Starter Adapter, OVH Fuel Pump & OVH Magnetos certified and reinstalled as required.

*****An Overhauled fuel pump has been installed and fuel parameters MUST be verified and/or adjusted prior to return to service: Cirrus sets up the TSIO-550-K engine to different fuel specifications than the engine type certified configuration by Continental based on the aircraft type certification. Fuel parameters MUST be verified Post Engine Installation with the flight propeller installed IAW SR22T Maintenance Manual and AFM/POH installed fuel settings. Reference Continental pub. M-0 section 6-4.7 as required.*****

TSMO 830.0
TT 830.0

Details are on file under work order number 9931 by HYFAST Aerospace, LLC.
FAA Certified Repair Station 7HAR429C
Cleveland, OH USA


 George Masavage
 Chief Inspector
 24/Apr/2025

CIRRUS SR22T

ENGINE LOG

STEINER AVIATION INTL

REGISTRATION :N553MC
Hobbs. Time:1019.7
Flight. Time: 830.0
Date: 7/10/2025

5430 Lauby Rd. Bldg. # 17
Canton OH.44720
Ph. 330-499-0790
CRS#V4NR896Y

Performed annual inspection in accordance with Cirrus SR22T AMM 100hour/annual inspection guide 5-20. Researched and complied with all applicable AD's using current Veryon search engine. See AD compliance record for details. Per Cirrus SR22T AMM 71-00, Removed engine and sent to HyFast for prop strike inspection and repair. Reinstalled engine after repair. See HyFast log entry W.O. 9931-1 for details. Serviced engine with 8 quarts of Phillips Type M 20W50 oil. Per Cirrus SR22T AMM 73-20, Performed fuel pump setup as required. Oil change needed at 855.0 flight time. Replaced sparkplugs with new URHB32E.

The aircraft and/or component listed above was repaired & inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at Steiner Aviation CRS# V4NR896Y under work order # 16422 I certify that this aircraft has been determined to be in airworthy condition.

Signature

[Handwritten Signature]

Date

7/10/2025

