

ENGINE LOG BOOK



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.

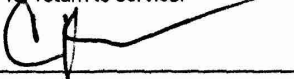
Production Certificate 508

Printed: 1/29/2013

Test Date: 1/28/2013

This engine model TSI0550K1B, serial number 1007877 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

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	
ENGINE MODEL: TSIO550K1B ENGINE S/N: 1007877 REG. NO: N122JK WORK ORDER: 00001052				TDL Aero Enterprises Repair Station No. 7TLR012B 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300
				DATE: 4/1/2013 A/C TSN: 22.1 ENG TT: FLIGHTTIME: 22.1
Engine Entries 25 hour inspection performed using the Cirrus 25 hour demo care inspection checklist as A guide, Removed engine cowlings, Drained oil, took A oil sample, removed oil filter and cut open to check for debris, none noted, installed A new oil filter, serviced engine with 8 quarts of aero shell 100W, Performed run up leak check, no leaks noted at this time, reinstalled engine cowlings.... Adjusted high end fuel flow to spec.				
Maintenance Release The aircraft and/or component(s) on N122JK was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.				
DATE: 4/1/2013		SIGNED: 		Work Order: 00001052
		Chris Palage Certified Repair Station No. 7TLR012B		Printed by EBis 3 (datcomedia.com)

Date 4/25/2013

W/O# 12869



Engine Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 122JK

S/N 0473

Tach / Hobbs

55.7

PERFORMED 50 HR CIRRUS CUSTOMER CARE PROGRAM INSPECTION. NO DEFECTS NOTED. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. SERVICED ENGINE WITH 8 QUARTS AEROSHELL W100 ENGINE OIL. PERFORMED ENGINE FUEL FLOW SETUP PER CONTINENTAL SID97-3E AND CIRRUS AIRCRAFT FUEL FLOW SETUP INSTRUCTIONS AMM 73-20. IDLE UNMETERED PRESSURE CHECK GOOD. RICHENED IDLE MIXTURE TO SPEC. ADJUSTED WASTEGATE CONTROLLER AS PER CMI TSIO-550-K MANUAL. ADJUSTED PROPELLER GOVERNOR HIGH SPEED AS PER CIRRUS AMM. OPERATIONAL CHECK GOOD.

Eng TSN

Eng TSO

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed.

Pertinent details of the repair are on file at this agency: Signed: David Clarke

David Clarke

Date 6/13/2013

W/O# 12958



Engine Logbook Entry

CRS AWKR298C

25170 Aviation Ave., Davis, CA 95616

AIRCRAFT: N 122JK

S/N 473

Tach / Flight

101.4

100 HOUR INSPECTION COMPLETED USING CIRRUS 100 HOUR DEMO CARE INSPECTION CHECKLIST. COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER TCM SERVICE BULLETIN 03-3. COMPRESSION TEST RESULTS: #1- 74/80, #2- 75/80, #3- 77/80, #4- 75/80, #5- 78/80, #6- 76/80. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. SERVICED ENGINE WITH 7 QUARTS AEROSHELL W100 ENGINE OIL. CLEANED, GAPPED, TESTED, AND REINSTALLED SPARK PLUGS WITH NEW GASKETS.

The Aircraft and/or component identified above was repaired and inspected IAW FAA regulations and was found airworthy to return to service only for the work performed. Pertinent details of the repair are on file at this agency: Signed: David Clarke

David Clarke

Date	Total Time		Overhaul		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	
Continued forward →					

ENGINE MODEL:
TSIO-550K
ENGINE S/N: 1007877
REG NO: 122JK
WORK ORDER:
15404-06-2013



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 7/2/2013
A/C TSN: 113.9
ENG TT: 113.9
HOBBS: 146.9

Engine Entries

(5) (Flight Time 113.9) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

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 CRS YD5R855Y

DATE: 7/2/2013

SIGNED:

Dan Trampush
Certified Repair Station No. YD5R855Y

Work Order: 15404-06-2013

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ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1007877
REG NO: N122JK
WORK ORDER:
6255-05-2014



Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 5/23/2014
A/C TSN: 260.7
ENG TT: 260.7
FLIGHTTIME: 260.7

Engine Entries

Complied with 50 hr inspection, drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7 qts AeroShell 15W50 installed new Tempest AA48108-2 filter, torqued and safetied, checked lights, serviced tires, ground run, ops check and leak check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 5/23/2014

SIGNED:

Wilder Morey
Certified Repair Station No. 5TCR105B

Work Order: 6255-05-2014

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO-550K
ENGINE S/N: 1007877
REG. NO: N122JK
WORK ORDER: 16501-10-2014



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3049

DATE: 10/31/2014
A/C TSN: 290.6
ENG TT: 290.6
FLIGHTTIME: 290.6

Engine Entries

(7) Adjusted oil pressure up 7 psi IAW CMI Maintenance Manual M-18.

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 this work order are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 10/31/2014

SIGNED:

Joseph Sullivan
Certified Repair Station No. YD5R855Y

Work Order: 16501-10-2014

Printed by EBis 3 (datamedia.com)

ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1007877
REG. NO: N122JK
WORK ORDER:
6729-01-2015



Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 1/9/2015
A/C TSN: 307
ENG TT: 307
FLIGHTTIME: 307

Engine Entries

Complied with 50 hr inspection, drained oil, took oil sample, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7 qts AeroShell 15W50 installed new Tempest AA48108-2 filter, torqued and safetied, checked lights, serviced tires, ground run, ops check and leak check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 1/9/2015

SIGNED:

Josh Shea
Certified Repair Station No. 5TCR105B

Work Order: 6729-01-2015

Printed by EBis 3 (datamedia.com)

ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1007877
REG NO: N122JK
WORK ORDER:
6918-05-2015



Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 5/29/2015
A/C TSN: 328.8
ENG TT: 328.8
FLIGHTTIME: 328.8

Engine Entries

C/W a Annual Engine Inspection IAW Cirrus SR 22T MM and IG. AD's researched to date. Researched Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of AeroShell 15w-50 and a new Tempest AA48108-2 filter installed. Quick drain verified closed and filter torqued and safetied. Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3. Compression: #1 - 59/80, #2 - 60/80, #3 - 73/80, #4 - 64/80, #5 - 73/80, #6 - 78/80. TCM min for day 42/80. External magneto timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed: ---Rocker covers leaking. Removed and replaced Gasket 655705. IAW AMM. Ops. check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 5/29/2015

SIGNED:

Bill Ahmann
Certified Repair Station No. 5TCR105B

Work Order: 6918-05-2015

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1007877
REG NO: N122JK
WORK ORDER:
7405-03-2016



Twin Cities Aviation, Inc.

Repair Station No. 5TCR105B
8891 Airport Rd #A-2
Blaine, Minnesota 55449
Phone: 763-784-9165

DATE: 3/25/2016
A/C TSN: 403.6
ENG TT: 403.6
FLIGHTTIME: 403.6

Engine Entries

C/W a Annual Engine inspection IAW Cirrus SR 22T MM and IG. AD's researched to date. Researched Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of AeroShell 15w-50 and a new Tempest AA48108-2 filter installed. Quick drain verified closed and filter torqued and safetied. Replaced all spark plugs with new Tempest P/N URHB32E. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3. Compression: #1 - 67/80, #2 - 60/80, #3 - 70/80, #4 - 56/80, #5 - 69/80, #6 - 72/80. TCM min for day 45/80. External magneto timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed: ---R/R broken R/H engine baffling nut plate with new P/N MS21059L08---Cleaned and resealed #4 push rod tub.---Low compression on number 4 cylinder. Re-run aircraft compression came up to 56/80---Retorqued All mounting bolts IAW AMM ops check OK.---C/W MSB2x-71-27R1 Alternate Air Box Bracket Inspection by installation of Kit P/N 70518-001 IAW MSB2x-71-27R1 and TCM SB15-3. No further action required.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 3/25/2016

SIGNED:

Bill Ahmann
Certified Repair Station No. 5TCR105B

Work Order: 7405-03-2016

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ENGINE MODEL: TSIO-550-K
ENGINE S/N: 1007877
REG NO: N122JK
WORK ORDER: 8033-02-2017



TC Aero Group
Naples, Dba:

DATE: 2/3/2017
A/C TSN: 542.8
ENG TT: 542.8
FLIGHTTIME: 542.8

Engine Entries

Performed fuel setup IAW AMM and TCM SID97-3G. Functional check satisfactory.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Twin Cities Aviation FAA Repair Station # 5TCR105B
8891 Airport Rd Blaine, MN 55449 (763) 784-9165

DATE: 2/3/2017

SIGNED:

A handwritten signature in black ink, appearing to read 'Aaron Simmons'.

Aaron Simmons

Work Order: 8033-02-2017

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Carried forward →

ENGINE MODEL: TSIO-550-K
ENGINE S/N: 1007877
REG. NO. N122JK
WORK ORDER: 8261-04-2017



Naples, Dba:

DATE: 7/1/2017
A/C TSN: 542.8
ENG TT: 542.8
FLIGHTTIME: 542.8

Engine Entries

C/W a Annual Engine Inspection IAW Cirrus SR 22T MM and IG. AD's researched to date. Researched Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of Phillips 20w-50 Mineral Oil and a new Tempest AA48108-2 filter installed. Quick drain verified closed and filter torqued and safetied. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3. Compression: #1 - 42/80, #2 - 44/80, #3 - 60/80, #4 - 30/80, #5 - 62/80, #6 - 75/80. TCM min for day 45/80. External magneto timing checked and adjusted to 24 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed: ---Complied with Cirrus SB2X-79-04 Improved Installation of Oil Pressure Sensor by installation of Kit # 70551-001. Performed ground run and leak check, no leaks detected, operational check satisfactory. ---Removed Mags. and sent out for 500hr inspection. Re-installed Mags. after inspection and timed IAW AMM. Leak and functional check satisfactory. Next inspection due Flight Time: 1042.8 ---Removed engine air filters for 500hr replacement and installed new filters P/N 27166-001. Next replacement due Flight Time: 1042.8 ---Removed all cylinder due to low compressions. Sent cylinders to Bolduc Aviation for inspection and repair. Installed repaired cylinders IAW TSIO-550-K Maintenance and Overhaul Manual M-18. Performed ground run after installation. Leak and functional check satisfactory. ---Removed, cleaned, inspected and re-installed fuel injectors IAW AMM. Leak check satisfactory. ---Removed broken #2 EGT probe and installed new probe P/N 24585-001. Functional check satisfactory. ---Performed fuel setup IAW TCM SID97-3G. Leak and functional check satisfactory. ---Adjusted engine oil pressure IAW TSIO-550-K MM Chapter 6-37.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Twin Cities Aviation F/A Repair Station # 5TCR105B
8891 Airport Rd Blaine, MN 55449 (763) 784-9165

DATE: 7/1/2017

SIGNED:

Aaron Simmons

Work Order: 8261-04-2017

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ENGINE MODEL: TSIO-550-K
ENGINE S/N: 1007877
REG. NO: N122JK
WORK ORDER: 8504-09-2017



Naples, Dba:

DATE: 9/21/2017
A/C TSN: 542.8
ENG TT: 542.8
FLIGHTTIME: 542.8

Engine Entries

Replaced Six (6) Exhaust Rocker Arms In Accordance with Continental Maintenance Manual with rocker arms P/N: 658745 and new lock tabs P/N: 501868.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

DATE: 9/21/2017

SIGNED:

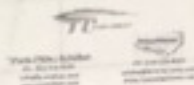
Lydell Newby, A&P: 3701294

Work Order: 8504-09-2017

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO-550-K
ENGINE S/N: 1007877
REG. NO: N122JK
WORK ORDER: 8504-09-2017

Naples, Dba:



Engine Entries

Replaced Six (6) Exhaust Rocker Arms In Accordance with Continental Maintenance Manual with rocker arm 501868.

The aircraft, airframe, engine, propeller, or appliance above was repaired and / or inspected in accordance with the applicable FAA regulations and is approved for return to service.

DATE: 9/21/2017

SIGNED:

N122JK

STEEL AVIATION ENGINE LOG

DATE 09/24/2018

MAKE Cirrus

Model SR22T

Hobbs 659.1

TACH 560

S/N 0473

1.C/W ANNUAL INSPECTION I/A/W FAR 43 APENDIX D, Using Cirrus AMM as a guide.

1. Removed and cut open oil filter, NDN, Installed new oil filter P/N AA48108-2. Serviced engine with 8 QT of 20/50 Phillips.

2. Checked compression #1 72 #3 78 #5 72 #2 78 #4 78 #6 78 over 80

3. Check mag timing

4. set mix rise

I certify that this aircraft has been inspected in accordance with (annual) inspection and was determined to be in airworthy condition.

279621209 A/P I/A Richard Booze