

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 documents 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
1-251-436-8299 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:

Continental Motors, Inc.
Factory Service Center
8600 County Road 32
Fairhope, Alabama 36532 USA

**USE ONLY FUEL SPECIFIED IN OPERATOR'S
MANUAL OR TYPE CERTIFICATE DATA SHEET
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



Continental Motors, Inc.

Production Certificate 508

Printed: 5/2/2014

Test Date: 4/30/2014

This engine model TSI0550K1B, serial number 1010308 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
	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					

LEADING EDGE
AVIATION SERVICES, INC.

Tampa, FL



CIRRUS
AUTHORIZED SERVICE CENTER

Date: 2/27/2015; Aircraft: N724KG; Type: CIRRUS; S/N: 0800; Hobbs: 101.8; Total Time: 90.3; Engine - Type: , S/N.: Time: 90.3

-Removed engine driven fuel pump PN: 649368-60A7 SN: B14DA029 and replaced with PN: 649368-60A7 SN: B15AA185, ops check OK, no leaks.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed

Bruce Stein  A&P 2588417
6530 Tampa Executive Airport RD. Tampa, FL 33610
Tampa Executive Airport (KVDF) 813 621 7476

LEADING EDGE
AVIATION SERVICES, INC.

Tampa, FL



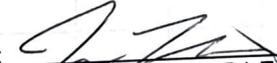
CIRRUS
AUTHORIZED SERVICE CENTER

Date: 7/10/2015; Aircraft: N724KG; Type: Cirrus SR22T; S/N: 0800; Hobbs: 126.6; Total Time: 112.4; Engine - Type: TSIO-550-K1B, S/N: 1010308, Time: 112.4

-Complied with Cirrus 100hr inspection checklist.

- Cleaned engine and performed run up. Inspected for leaks and general overall condition.
- Drained oil and serviced with 8 quarts of Philips X/C 20W50. Removed and replaced oil filter, cut open oil filter for inspection. Collected oil sample for analysis. Installed cowlings and performed run up.
- Complied with fuel set-up (TCM SID 97-3F).
- Removed, cleaned, gapped spark plugs verified correct mag timing L&R.
- Compression Check #1 66/80 #2 70/80 #3 68/80 #4 66/80 #5 70/80 #6 66/80 MO 42/80
- Inspected Fuel nozzles for leaks.
- Inspected electrical wiring for chafing and security.
- Inspected Fluid carrying hoses.
- Removed gascolator cleaned, inspected and reinstalled.
- Verified AD compliance through bi-weekly issue 2015-13.

I certify this engine has been inspected in accordance with a 100 hour inspection with reference to Cirrus AMM Section 5-20 and is found to be airworthy at this time.

Jonathan Bennett  A&P 3026634 IA
6530 Tampa Executive Airport Rd. Tampa, FL 33610
Tampa Executive Airport (KVDF) 813-621-7476

LEADING EDGE
AVIATION SERVICES, INC.

Tampa, FL

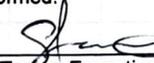


CIRRUS
AUTHORIZED SERVICE CENTER

Date: 12/03/2015; Aircraft: N724KG; Type: CIRRUS; S/N: 0800; Hobbs: 216.7; Tach: 196.6; Total Time: 196.6

-Drained oil and serviced with 8 quarts of Phillips X/C 20W50. Removed and replaced oil filter, cut open oil filter for inspection. Installed cowlings and performed run up.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Steve Miller  A&P 2700197
6530 Tampa Executive Airport Rd. Tampa, FL 33610
Tampa Executive Airport (KVDF) 813-621-7476

Engine Service and Maintenance Record

Date	Total Time		Time Since Last 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	
Carried forward →					

EXEC AERO, LLC 201 NILSON WAY, ORLANDO, FL 32803 407-420-7934

N724KG
2014 CIRRUS SR22T SN: 0800
01/07/16 HOBBS: 224.4 FLIGHT: 204.2
CONTINENTAL TSIO-550K

DRAINED ENGINE OIL. REMOVED & INSPECTED OIL FILTER & ELEMENT WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N AA48108 & 8 QTS OF AEROSHELL 15W50 OIL I/A/W CIRRUS SM & AC 43.13. OPS CHECK GOOD WITH NO LEAKS NOTED.


TREVOR HAWK
AP3341763IA

EXEC AERO, LLC 201 NILSON WAY, ORLANDO, FL 32803 407-420-7934

N724KG
2014 CIRRUS SR22T SN: 0800
09/19/16 HOBBS: 297.6 FLIGHT: 268.9
CONTINENTAL TSIO-550K

DRAINED ENGINE OIL. REMOVED & INSPECTED OIL FILTER & ELEMENT WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N AA48108 & 8 QTS OF AEROSHELL 15W50 PLUS OIL I/A/W CIRRUS MM & AC 43.13. OPS CHECK GOOD WITH NO LEAKS NOTED.


JOHN STEVENS
AP3066228IA

Since Last
Overhaul

Engine Service and Maintenance Record

Min

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

ORLANDO, FL 32803 407-420-7934

INSPECTED OIL FILTER & ELEMENT WITH NO
OIL FILTER P/N AA48108 & 8 QTS OF
OIL & AC 43.13. OPS CHECK GOOD WITH NO

EXEC AERO, LLC 201 NILSON WAY, ORLANDO, FL 32803 407-420-7934

N724KG
2014 SR22T S/N 0800
7/21/16 FLIGHT 255.4 HOBBS 282.7
TSIO550K1B S/N 1010308 ETT: 255.4

COMPLIED WITH CIRRUS 100 HR CHECKLIST. AD COMPLIED THROUGH 7/2016.
DRAINED ENGINE. REMOVED AND INSPECTED OIL FILTER ELEMENT. NDF
INSTALLED NEW 48108-2 AND 8 QTS OF 15W-50. ENGINE COMPRESSIONS 1)
68/80 N 3) 68/80 5) 50/80 2) 66/80 4) 68/80 6) 73/80. SERVICED INJECTORS. SERVICED
SPARK PLUGS. ALL WORK COMPLETED I/A/W CIRRUS/CONTINENTAL MM

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED I/A/W 100 HR INSPECTION
REFERENCING CIRRUS AMM 5-20 AND FOUND TO BE IN AIRWORTHY CONDITION.



TREVOR L HAWK
AP3341763IA

EXEC AERO, LLC
201 NILSON WAY
ORLANDO, FL 32803
407-420-7934

N724KG

2014 SR-22T SN:0800

8/9/2017 Flight:441.3 Hobbs:486.5

TSIO-550-K(1B) SN:1010308 ETT:441.3

Complied with 14 CFR 91.409 (c)(1)(2) by Performing an Annual Inspection IAW 14 CFR 43.15 (c)(1)(2). AD's researched through 8/2017. Compression check: all cylinders 64/80 or above. Drained and serviced engine oil with 8 quarts of Aeroshell 15W-50. Replaced oil filter and safety. Inspected oil filter media. Checked magneto to engine timing. Cleaned fuel injectors. Checked and adjusted fuel system as required. Operational and leak checks completed. All work completed IAW Cirrus SR-22T AMM and Continental Piston Engine Maintenance Manual (M-0).

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy condition.



Nathan T. Marler

AP3466392IA

Hours	Min	Hours	Min

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



Authorized Service Center

EXEC AERO, LLC
201 NILSON WAY
ORLANDO, FL 32803
407-420-7934



N724KG
 2014 CIRRUS SR-22T SN:0800
 12/15/2017 FLIGHT:457.0 HOBBS:503.7 ACTT:457.0
 CONTINENTAL TSIO-550-K
 TSMO:457.0 ETT:457.0

DRAINED AND SERVICED ENGINE OIL WITH 8 QUARTS OF AEROSHELL 15W-50. REPLACED ENGINE OIL FILTER (AA48108-2) AND SAFETY. INSPECTED OIL FILTER MEDIA. OPERATIONAL AND LEAK CHECK COMPLETED. ALL WORK COMPLETED I/A/W CIRRUS AMM AND AC 43.13-2B.


 JOHN R. POLULECH
 AP3464528IA



Authorized Service Center

EXEC AERO, LLC
201 NILSON WAY
ORLANDO, FL 32803
407-420-7934



N724KG
 2014 Cirrus SR-22T SN:0800
 7/16/2018 Flight: 472.1 Hobbs: 520.7 ACTT: 472.1
 Continental TSIO-550-K SN: 1010308
 TSMO: 472.1 ETT: 472.1

Complied with 14 CFR 91.409(a)(1) by performing an Annual Inspection I/A/W 14 CFR 43.15(c)(1)(2). Researched AD's through 7/2018. Complied with AD 2016-21-04 (Oil Cooler Cross Fitting), Dated 11/18/2016, by Para (e). Compression check: 1)58/80 2)64/80 3)40 4)64/80 5)68/80 6)68/80 MO: 46. Replaced #3 cylinder (658595 SN: AC16RA102) with repaired cylinder from Continental Motors WO# CS-8270. Drained and serviced engine with 8 quarts of Aeroshell 15W-50. Replaced engine oil filter (CH48108-1) and safety. Inspected oil filter media. Removed, reinstalled magnetos (10-500556-101 014DA081, 014DA083) after 500 hour inspection by JK Aviation WO# 047 and set timing. Replaced magneto filter (653386). Replaced upper and lower gaskets (652100, 652101) on turbos at oil lines. Serviced spark plugs. Resealed #3 valve cover gaskets. Performed fuel system adjustments as required. Operational and leak checks completed. All work performed IAW Cirrus AMM, Continental Motors Piston Engine Maintenance Manual and AC 43.13-1B.

I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in Airworthy Condition. **100 HR.**


 John R. Polulech
 AP3464528IA

1. Approving Civil Aviation
Authority/Country:

FAA/United States

2.

AUTH

4. Organization Name and Address

CMS Continental Motors Services, 8600 County Rd 32

6. Item:	7. Description:	8. Part N
1	Cylinder & Valve Assembly	658595

12. Remarks:

DETAILS OF THE REPAIRS MADE TO THESE CYLINDERS ARE
(01/18) USED FOR REFERENCE.

SERIAL NUMBERS:

AC15LA125

AC15LA129

AC15KB091

AC15HA106

AC16KA102

AC15LA155

Engine Service and Maintenance

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

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

Carried forward →



JK AVIATION, LLC

20201 Whistling Wire Lane, Groveland, FL 34736
352/267-7874 jkaviationllc@aol.com W/O# 18 047

Manufacturer: TCM Type: P M/N/ D-500556-101 S/N: D14DA081

- Overhauled 500 Hr Inspection Repaired as needed

This magneto has been disassembled, cleaned, inspected, replaced parts as necessary with new, and reassembled and tested I/A/W that particular manufactures specifications, was determined to be in serviceable condition.
JK Aviation, LLC.

Sign: A&P 3420762 IA Date: 6-25-18
Jeffrey H. Kuharske



JK AVIATION, LLC

20201 Whistling Wire Lane, Groveland, FL 34736
352/267-7874 jkaviationllc@aol.com W/O# 18 047

Manufacturer: TCM Type: P M/N/ D-500556-101 S/N: D14DA083

- Overhauled 500 Hr. Inspection Repaired as needed

This magneto has been disassembled, cleaned, inspected, replaced parts as necessary with new, and reassembled and tested I/A/W that particular manufactures specifications, was determined to be in serviceable condition.
JK Aviation, LLC.

Sign: A&P 3420762 IA Date: 6-29-18
Jeffrey H. Kuharske

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 →				

Date: 7/15/2019
 Hobbs: 531.6
 Fit: 480.5

Cirrus SR22T
 Reg. No: N724KG
 Ser. No: 0800

Horizon Avionics, Inc.

2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701

ENGINE LOG ENTRY

CW Annual inspection IAW FAR 43 App D. CW AD research thru biweekly 2019-14. Compression check as follows, 1.)70 2.)70 3.)72 4.)68 5.)68 6.)70 all over 80 PSI. drained oil and cut open filter, no metals noted. Installed new CH48108-1 torque and safetied. Serviced 8 qts Aeroshell 15W50. Cleaned and resealed fuel injectors. Installed new URHB32E spark plugs 12each. Ground ran aircraft, leak and operational check good.

MAINTENANCE RELEASE

I certify that this Engine has been insp IAW a Annual Insp & has been found to be in an airworthy condition. Pertinent Details Are On File Under Work Order No. M5080.

Signed: *[Signature]* Cert. No: *AP66625814* Date: *7/15/19*
 For Horizon Avionics, Inc.



APG Aviation – Maintenance & Repair
 28000 Airport Rd. A-17 Punta Gorda, FL 33982
 Tel: 941-575-8605 · Fax: 941-575-8734 · ga@avionix.com

08-30-2019 N724KG CIRRUS SR22T SN 0800 HM 546.3 FLT 491.1 ENG 490.1

REMOVED OIL PRESSURE HOUSING. CLEAN AND INSPECT HOUSING. NO DEECTS NOTED. ADJUSTED OIL PRESSURE IAW CAT M-O. CW SID 97-3G TO VERIFY THAT FUEL FLOWS AND MAP ARE WITHIN TOLERANCES. CW SB2X-79-04 IMPROVED INSTALLATION OF OIL PRESSURE SENSOR BY INSTALLATION OF KIT 70551-001. OPERATIONAL CHECK SATISFACTORY. MAINTENANCE PERFORMED IAW CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

LANCE MILKO
 2988662 AP

[Signature]

ENGINE MODEL: TSIO550K
 ENGINE S/N: 1010308
 REG. NO: N724KG
 WORK ORDER: TYS21987-11-2019

CIRRUS Cirrus Design Factory Service Center

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

DATE: 11/11/2019
 A/C TSN: 526
 ENG TT: 526
 FLIGHTTIME: 526

Engine Entries

(8) Performed Cirrus Demo Care & Maintenance Program 50 Hour Demo Care Servicing. Drained engine oil. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft AMM 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 this work order are on file at this Certified Repair Station CRS YD5R855Y

DATE: 11/11/2019

SIGNED:

[Signature]
 John Goebel
 Certified Repair Station No. YD5R855Y

Work Order: TYS21987-11-2019

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

ENGINE MODEL: TSIO550K
ENGINE S/N: 1010308
REG. NO: N724KG
WORK ORDER: DLH19680-12-2019



CIRRUS Cirrus Design Factory Service Center

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

DATE: 1/9/2020
A/C TSN: 579.9
ENG TT: 579.9
FLIGHTTIME: 579.9

Engine Entries

- (4) Drained engine oil. Serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft AMM 12-10.
- (6) Performed a 100 HR inspection of this engine in accordance with Cirrus Aircraft SR-22T AMM 05-20 inspection checklist. Compression check results: 1) 66/80 2) 60/80 3) 65/80 4) 56/80 5) 72/80 6) 63/80. Master orifice reading: 44.
- (21) SB2X-71-33/CMI SB18-08A N/A due to Engine Manufacture date prior to 01 Nov 2014.
- (23) Removed and replaced #1, #3, and #6 cylinder valve cover gaskets. Retorqued #2, #4, and #5 cylinder valve covers IAW Continental M-18
- (27) Removed and replaced L/H turbocharger P/N 646677 S/N H-RCL00063 with new P/N 646677 S/N H-UULL00075 IAW SR22T AMM 81-20. Function and leak check satisfactory.

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: 1/9/2020

SIGNED:

Ben Hodgkins
Certified Repair Station No. YD5R855Y

Work Order: DLH19680-12-2019

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO550K
ENGINE S/N: 1010308
REG. NO: N724KG
WORK ORDER: DLH19742-02-2020



CIRRUS Cirrus Design Factory Service Center

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

DATE: 2/20/2020
A/C TSN: 634.5
ENG TT: 634.5
FLIGHTTIME: 634.5

Engine Entries

- (4) Drained engine oil. Serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR-2X AMM 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 this work order are on file at this Certified Repair Station CRS YD5R855Y

DATE: 2/20/2020

SIGNED:

Brendon Butkiewicz
Certified Repair Station No. YD5R855Y

Work Order: DLH19742-02-2020

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: TSIO550K
ENGINE S/N: 1010308
REG. NO: N724KG
WORK ORDER: TYS22500-03-2020



CIRRUS Cirrus Design Factory Service Center

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

DATE: 4/1/2020
A/C TSN: 660.3
ENG TT: 660.3
TSMOH:
FLIGHTTIME: 660.3

Engine Entries

- (9) Performed engine operational and function check IAW Cirrus AMM 5-30.
- (10) Performed cylinder differential compression checks and borescope inspections IAW Continental M-(xx) Manual. No discrepancies noted. Compression results as follows: 1)55/80. 2)48/80. 3)54/80. 4)60/80. 5)59/80. 6)62/80. Master orifice reading 44/80
- (11) Drained engine oil. Serviced engine with 8 quarts of Philips 20W50 Type M engine oil. Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with SR22T AMM 12-10 and Continental Manual M-18
- (12) Performed 100 Hr. Servicing of engine IAW Cirrus AMM 5-20 and Continental M-0 Manual.
- (17) Complied with SB2X-71-33 Release of Continental Motors Service Document SB18-08A
- (18) Removed #2 Cylinder P/N 658595A3 S/N AC14CB618 and installed new cylinder P/N 658315A3 S/N AC19LA187 IAW Continental manuals M-0 and 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: 4/1/2020

SIGNED:

Evan Schmitz
Certified Repair Station No. YD5R855Y

Work Order: TYS22500-03-2020

Printed by EBis 3 (datcomedia.com)

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

ENGINE MODEL TSIO550K
ENGINE S/N 1010308
REG NO N724KG
WORK ORDER: TYS22703-04-2020

CIRRUS Cirrus Design Factory Service Center

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

DATE: 5/7/2020
A/C TSN: 662.5
ENG TT: 662.5
TSMOH:
FLIGHTTIME 662.5

Engine Entries

- (7) Performed an annual inspection of this engine in accordance with Cirrus Aircraft SR-22T AMM 05-20 inspection checklist. Compression check results: 1) 57/80 2) 72/80 3) 60/80 4) 60/80 5) 57/80 6) 69/80. Master orifice reading: 45.
- (15) Replaced oil filter with new Tempest AA48108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR-22T AMM 12-10.
- (16) Performed engine setup per Cirrus SR-22T AMM 73-20 and Continental Motors MM M-18. Post setup operational and leak check performed with no discrepancies.
- (33) Repositioned LH turbo oil return line IAW Cirrus SR22T AMM 79-20
- (38) Re-positioned pressure line IAW Cirrus SR22T AMM 20-80
- (42) Repositioned oil line IAW Cirrus SR22T AMM ch 79
- (43) Cleaned, inspected, and torqued oil lines IAW Continental M-0 and Cirrus SR22T AMM 20-80
- (44) Replaced #1 Rocker cover gaskets with new P/N 658735 IAW Continental Standard Practice TSIO-550K OHM M-18 and Manual M-0 Appendix b.
- (45) Replaced #4 Rocker cover gaskets with new P/N 658735 IAW Continental Standard Practice TSIO-550K OHM M-18 and Manual M-0 Appendix b.
- (47) Replaced #5 Rocker cover gaskets with new P/N 658735 IAW Continental Standard Practice TSIO-550K OHM M-18 and Manual M-0 Appendix b.
- (59) Replaced #5 cylinder rocker cover hardware (1)ea IAW Continental Standard Practice TSIO-550K OHM M-18 and Manual M-0 Appendix b.
- (80) I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an 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 this work order are on file at this Certified Repair Station CRS YD5R855Y

DATE: 5/7/2020

SIGNED:

Evan Schirzinger
Certified Repair Station No. YD5R855Y

Work Order: TYS22703-04-2020

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8-6-2020 OWNER SERVICE EGN TT 693.8
OVERRIDE.

REPLACED OIL FILTER W/ TEMPEST AA48108-2
REPLACED OIL W/ 8 QTS PHILLIPS XC 20W-50
SIGNED JOSEPH LENZ

12/2/20 Acft TSN: 729.3 Eng TT: 729.3 TCM TSIO550K s/n 1010308 N724KG
Drained engine oil, removed engine oil filter, cut open oil filter and examined for particulates no discrepancies noted. Installed new Tempest Oil Filter P/N AA48108-2. Filled with 8 Quarts of Phillips XC 20W50. Checked spark plugs & rotated, installed with new gaskets p/n M674. Performed engine borescope at owner request with no discrepancies noted at this time. Ground run & leak check satisfactory. Work completed with Cirrus aircraft SR-2X AMM 12-10. I certify that this engine has been inspected and was determined to be in airworthy condition.

Donald Thibodeau A&P 3623180 IA

for Lake Aviation Center
20 Airport Dr., Camdenton, MO 65020

Engine Service and Maintenance Record

Date	Total Time		Time Since Last 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	

Carried forward →

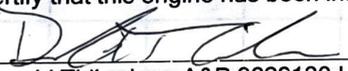
12/29/20 Acft TSN: 754.6 Eng TT: 754.6 TCM TSIO550K s/n 1010308 N724KG

Conducted maintenance and visual inspections as follows at the direction of Savvy Aviation. Removed #4 and #6 cylinders bottom spark plugs, cleaned and inspected. Gaps were within manufacturer tolerance, and #6 cylinders bottom spark plugs, cleaned and inspected. Gaps were within manufacturer tolerance, and spark plugs did not appear to be fouled, or excessively dirty. Conducted resistance check on bottom spark plugs on cylinders #2 1320 ohms, #4 1324 ohms, and #6 1317 ohms, which win acceptable range. All spark plugs passed spark check. Reinstalled spark plugs into cylinders. Verified timing of RH magneto, RH magneto is in time with engine. Removed RH magneto ignition cap and tested resistance of ignition cables on #2 1.7 Ohms, #4 1.7 Ohms., and #6 Ohms. Reinstalled RH magneto ignition cap Removed and visually inspected #4 and #6 Egt sensor probe with 10X magnification. Probes ere not excessively dirty, and all connections appeared to be solid in their connectors. Reinstalled EGT probes. Checked alternator connections for security and mounting, all connections appear to be tight and have good contact with the alternator. Work completed with Cirrus aircraft SR-2X AMM 12-10. I certify that this engine has been inspected and was determined to be in airworthy condition.


 Donald Thibodeau A&P 3623180 IA for Lake Aviation Center
 20 Airport Dr., Camdenton, MO 65020

3/09/21 Acft TSN: ~~859.2~~ 757.8 Eng TT: ~~858.2~~ 757.8 TCM TSIO550K s/n 1010308 N724KG

Drained engine oil, removed engine oil filter, cut open oil filter and examined for particulates no discrepancies noted. Installed new Tempest Oil Filter P/N AA48108-2. Filled with 8 Quarts of Phillips XC 20W50. Ground run & leak check satisfactory. Work completed with Cirrus aircraft SR-2X AMM 12-10. I certify that this engine has been inspected and was determined to be in airworthy condition.


 Donald Thibodeau A&P 3623180 IA for Lake Aviation Center
 20 Airport Dr., Camdenton, MO 65020

Engine Service and Maintenance Record

Date	Total Time		Time Since Last 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	
Carried forward →					

ENGINE MODEL:
TSIO550K1B
ENGINE S/N: 1010308
REG. NO: N724KG
WORK ORDER: 0779



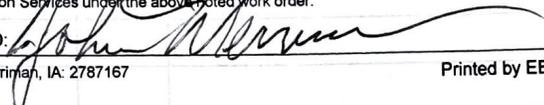
Mistwood Aviation Services, LLC.
18032 Edison Ave
Chesterfield, MO 63005
Phone: 314-200-2650

DATE: 09 June, 2021
A/C TSN: 772.5
ENG TT: 772.5
TACH: 772.5

Engine Entries

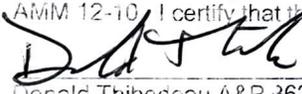
Performed Continental Motors 100 Hour/Annual Inspection IAW Cirrus SR22/SR22T Aircraft Maintenance Manual part number 13773-001 Rev. B8 dated 04 Sep 2018 and Continental Motors M-18 and M-0 manuals.
Performed engine compression check results as follows: #1 48/80, #2 75/80, #3 51/80, #4 57/80, #5 59/80, #6 63/80. Master orifice 45/80.
Drained oil, removed filter and took oil sample. Installed new Tempest oil filter AA48108-2 and serviced engine with 7 quarts Phillips XC20W50 and one pint of Camguard.
Cleaned, gapped, tested and inspected spark plugs; installed with new M-674 gaskets and torqued IAW Continental Motors manual M-0.
Replaced engine induction air filters, part number 27166-001 IAW Cirrus SR22/SR22T AMM 71-60.
Satisfying requirements of AD 84-26-02.
Lapped #3 exhaust valve and replaced rotocoil part number 652112, inner spring part number 654442, and outer spring part number 654441 IAW Continental Motors M-0 and M-18 manuals.
Replaced pushrod shroud seals, part numbers 534610 and 630286 on #1 intake and #5 intake and exhaust, torqued and installed rocker arm lock tabs, part number 501868 IAW Continental M-18 and M-0 Manuals.
Removed rocker box covers on #1 intake, #3 intake and exhaust and #5 intake and exhaust and installed new gaskets, part number 658735 IAW Continental Motors M-18 and M-0 manuals.
Removed and repaired cracks in left engine baffle referencing AC 43.13-1B and installed IAW Cirrus SR22/SR22T AMM 71-00.

I certify this engine has been inspected in accordance with a 100 Hour/Annual Inspection meeting the intent of 14 CFR 91.409 and Part 43 Appendix D and has been determined to be in an airworthy condition with regards to the work performed, and is approved for return to service. Pertinent details of the inspection/repairs are on file at Mistwood Aviation Services under the above noted work order.

DATE: 09 June, 2021 SIGNED:  Work Order: 0779
John Merriman, IA: 2787167 Printed by EBIS 3 (datcomedia.com)

10/05/21 Acft TSN: 809.5 Eng TT: 809.5 TCM TSIO550K s/n 1010308 N724KG

Drained engine oil, removed engine oil filter, cut open oil filter and examined for particulates no discrepancies noted. Installed new Tempest Oil Filter P/N AA48108-2. Filled with 8 Quarts of Phillips XC 20W50. Ground run & leak check satisfactory. Performed Engine compression check with the following pressures noted: #1. 52/80, #2. 76/80, #3. 50/80, #4. 60/80, #5 67/80, #6. 70/80. Performed engine borescope and took pictures of cylinders and exhaust valves. Work completed with Cirrus aircraft SR-2X AMM 12-10. I certify that this engine has been inspected and was determined to be in airworthy condition.

 for Lake Aviation Center
Donald Thibodeau A&P 3623180 IA 20 Airport Dr., Camdenton, MO 65020

Total Time

Time Since Last Overhaul

Engine Service and Maintenance Record

and
lives,



WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: **12-28-2021**
Work Order: **S9531**
N724KG S/N 22T-0800
Hobbs: **966.9**
Flight: **847.6**
TSN: **847.6**

ENGINE LOG
Eng. S/N 1010308



Performed a **100 Hour /Annual Inspection** in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22-22T A.M.M. P/N 13773-001, Rev. B8 (9/2018). Drained engine oil and collected sample for oil trend analysis (AvLab). Removed and cut open filter; inspected filter element, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 8 quarts of Phillips 20W50 X/C Type M. Performed differential compression check; results as follows: #1 42/80, #2 72/80, #3 50/80, #4 50/80, #5 37/80, #6 70/80 - M/O 45/80. Removed #1, #3, #4, #5 cylinders with low compressions and replaced with new (4) P/N 658815A3 cylinders S/N's #1 AC21JA243, #3 AC21JA959, #4 AC21JB038 & #5 AC21JB041. Replaced #5 Intake lifter (1) P/N 658088 and provided as removed piston pin (1) P/N 649703. Post differential compression before break in: #1 70/80, #2 72/80, #3 68/80, #4 70/80, #5 70/80, #6 70/80 - M/O 45/80.

C/W FAA AD2020-16-11 by inspecting cylinders currently installed for compliance with Continental MSB18-08B/Cirrus SA18-16R1. Cylinder #6 is P/N 658178 and is not required per Table-1 on MSB18-08B. Cylinders 1,2,3,4&5 are P/N 658815 these are not required per Table-1 on MSB18-08B. #1 AC21JA243, #2 AC19LA187, #3 AC21JA959, #4 AC21JB038, #5 AC21JB041, #6 AC14DA361 currently installed.
C/W SA19-18 /Harzell SB-081 Castellated nut inspection on ALT 1.
Replaced LH magneto gasket P/N 649954 and timed to 24 BTDC. Performed ALT#1, 2 yr / 500 hour inspection and replaced P/N (1) ALE-3045BS brush set & gasket P/N (1) 653981. Performed ALT#2, 2 yr / 500 hour inspection and replaced P/N (1) 40278 brush set.

- All applicable ADs and mandatory service bulletins have been complied with at this time through this date.
All work was performed with ref. to applicable sections of Cirrus SR22-22T A.M.M. Rev. B8. P/N 13773-001 (9/2018) & CMI TSIO-550-B, C, E, G, K and N Permold series Engine Maintenance and Overhaul Manual, M-18 Rev 1 (3/2020), M-0 Rev 1, (9/2019) and was ground checked for operation, security and leakage; found satisfactory at this time. Test flown for cylinder release with new compressions.
I certify that this Engine (TCM TSIO-550-K) (1) S/N 1010308 has been inspected in accordance with a **100 Hour /Annual Inspection** and was determined to be in an Airworthy Condition.
I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature:
Joseph Scudder / CRS Release Authority

Make: Continental	 LEADING EDGE AVIATION Logan-Cache Airport (KLGU) 900 W 2500 N, Logan, UT 84321 435-752-5955	Flight Hobbs: 893.6
Model: TSIO550K1B		TTSN: 893.6
Ser #: 1010308		TTSMOH: 893.6
Reg #: N724KG		

I certify that this ENGINE has been inspected IAW a 50 HR inspection and was determined to be in airworthy condition. Drained oil. Removed and cut open oil filter for inspection - no defects noted. Installed 7 qts. Aeroshell 15W50 oil and AA48108 oil filter. Inspected hoses, lines, and fittings. Inspected all engine controls. Cleaned and gapped spark plugs. Washed engine. Performed test run. All leak and ops checks good. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #:
Kim R Hall 2793751 AP/IA Date: 03/24/22

Make: TCM	Advntge Aviation 7220 S. 4450 W. W. Jordan, UT 84084 801-755-5398	Flight: 943.6
Model: TSIO-550-K1B		TSN: 943.6
Eng S/N: 1010308		
Reg# N724KG		

C/W 100 HR/Annual inspection IAW Cirrus Design SR-22T Maintenance Manual & Single Engine Inspection Guide. Changed oil and filter, serviced with 8 quarts of AS 15W50 and a new AA48108-2 filter, cut and inspected filter. No defects noted. Performed differential compression test, as follows: 1 79/80 2 79/80 3 78/80 4 79/80 5 79/80 6 79/80. Cleaned and gapped all spark plugs. Removed both magnetos and performed 500 HR inspection. Installed new breaker points, PN - ES10-382584 in each magneto. Reinstalled both magnetos and timed to engine. Due again at 1443.6. Performed routine maintenance and servicing. Washed engine. Run up, ops and leak checks good. I certify that this engine has been inspected in accordance with a 100 HR/Annual inspection and found to be airworthy this date.

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(s) are on file at this Facility under the above referenced Work Order.
Date: October 14, 2022
Signature:
Huy Bui 30883251A

Make: Continental	 LEADING EDGE AVIATION Logan-Cache Airport (KLGU) 900 W 2500 N, Logan, UT 84321 435-752-5955	Flight: 945.7
Model: TSIO-550-K 1B		TSN: 945.7
Ser #: 1010308		TSMOH: 945.7
Reg #: N724KG		

Rebuilt RH Magneto replaced gear assembly PN:10-357546 and Bendix magneto repair kit PN:AB-6845C-R, internally timed and timed to motor, ops check good no leaks.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #:
Mitchell Kemp AP 4424393 Date: 12/01/2022

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

Make: Continental
Model: TSIO-550-K1B
Ser #: 1010308
Reg #: N724KG



Tach Hobbs: 992.5
TTE: 992.5

I certify that this ENGINE has been inspected IAW a 50 HR inspection and FAR 43 Appendix D and was determined to be in airworthy condition. Drained oil. Removed and cut open oil filter for inspection - no defects noted. Installed AA48108-2 7qts. Aeroshell 15W50 oil and inspected hoses, lines, and fittings. Inspected all engine controls. Cleaned and gapped spark plugs. Performed test run. All leak and ops checks good. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Kim R Hall 2793751 AP/IA

Date: 03/23/23

Make: Continental
Model: TSIO-550K1B
Ser #: 1010308
Reg #: N724KG



Flight Time: 1,042.9
TT Engine: 1,042.9

I certify this Engine has been inspected IAW a 100 hr inspection. IAW FAR 43 Appendix D and found to be in airworthy condition. Inspected all hose, ck lines and fittings. Cleaned and gaped spark plugs. Replaced oil filter P/N: AA48108-2 and 7 Qts Aeroshell 15w50. Performed engine mount torque verification IAW Cirrus SR22T AMM. Checked all engine controls, & washed engine, test run, & leak checked good. Compression Check- #1-77/80, #2-74/80, #3-75/80, #4-75/80, #5-75/80, #6-69/80

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Mitchell K Kemp AP 4424393

Date: 07/27/2023

Make: Continental
Model: TSIO-550K1B
Ser #: 1010308
Reg #: N724KG



Flight Time: 1,094.6
TT Engine: 1,269.8

I certify this Engine has been inspected IAW a 50 hr inspection and found to be in airworthy condition. Inspected all hose, ck lines and fittings. Replaced oil filter P/N: AA48108-2 and 7 Qts Aeroshell 15w50. Checked all engine controls, & washed engine, test run, & leak checked good. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Mitchell K Kemp AP 4424393

Date: 10/23/2023

Make: Continental
Model: TSIO-550K1B
Ser #: 1010308
Reg #: N724KG



Flight Time: 1142.8
TT Engine: 1142.8

I certify this Engine has been inspected IAW a 100 hr inspection. IAW FAR 43 Appendix D and found to be in airworthy condition. Inspected all hose, ck lines and fittings. Cleaned and gaped spark plugs. Replaced oil filter P/N: AA48108-2 and 7 Qts Aeroshell 15w50 Checked all engine controls, & washed engine, test run, & leak checked good. Compression Check- #1-75/80, #2-74/80, #3-75/80, #4-74/80, #5-74/80, #6-75/80

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Mitchell K Kemp AP IA 4424393

Date: 04/05/2024

Make: Continental
Model: TSIO-550K1B
Ser #: 1010308
Reg #: N724KG



Flight Time: 1,184.5
TT Engine: 1,184.5

I certify that this ENGINE has been inspected IAW a 50 HR inspection and was determined to be in airworthy condition. Drained oil. Removed and cut open oil filter for inspection - no defects noted. Installed 7 qts. Aeroshell 15W50 oil and AA48108-2 oil filter. Inspected hoses, lines, and fittings. Inspected all engine controls. Washed engine. Performed test run. All leak and ops checks good. No defects noted.

The aircraft/engine/propeller identified above was inspected and/or repaired IAW current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair(s) are on file at this location.

Signature / Certificate #: Jared M Weaver AP 4850720

Date: 12/26/2024



Continental Motors, Inc.

THE OIL PRESSURE ON THIS ENGINE WAS ADJUSTED DURING THE ENGINE ACCEPTANCE TEST AT THE FACTORY. ONLY MINOR ADJUSTMENTS MAY BE NECESSARY TO ASSURE THE PROPER INDICATION ON THE COCKPIT GAUGE.

FACTORY SETTINGS:

RPM 2518 OIL TEMP 188 OIL PRESSURE 54.3

OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

655313A

Aircraft Engine Test Certification

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

Engine Model TSIO550K1B

Engine Serial Number 1010308

Testing Completed

Standard Acceptance Test:

Date of Completion 4/30/2014 Test Operator (31645)



Continental Motors, Inc.