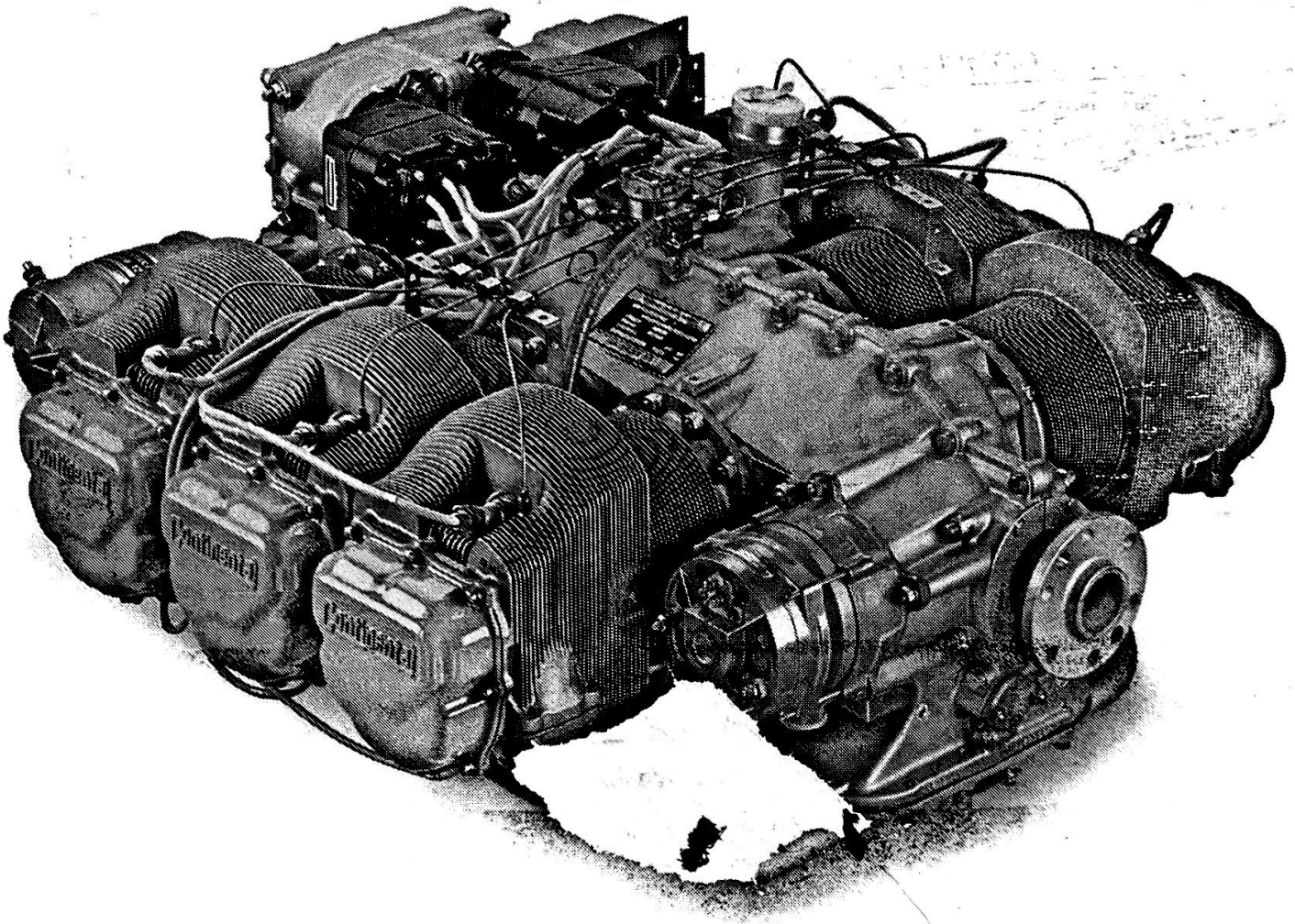


ENGINE LOG BOOK



Teledyne Continental Motors, Inc.

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book
Directly to:

**Engine Return Department
2039 Broad Street
Mobile, AL 36615**

**USE ONLY FUEL CONFORMING TO ASTM D910
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.

www.GenuineContinental.aero

Production Certificate 508

Printed: 11/16/2010

Test Date: 11/11/2010

This engine model TSI0550K1B, serial number 1003148 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.



Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brou

ENGINE MODEL
TSIO550K1B
ENGINE S/N: 1003148
REG. NO. 322Pb
WORK ORDER
14304-06-2011



Cirrus Design Factory Service Center

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

DATE: 6/30/2011
A/C TSN 96 1
ENG TT 96 1
HOBBS: 127 1

Engine Entries

(2) (Flight Meter 96 1) Adjusted the prop governor to achieve specified takeoff RPM limits IAW SR-22T AMM 61-20 Operational 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 repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 6/30/2011

SIGNED:

Work Order: 14304-06-2011

Peterson, Daniel J.
Certified Repair Station No. YD5R855Y

Printed by EBIS 3 (datcomedia.com)

08-11-2011

Date: 8-10-11
Tach: 121.4
ENGT: 121.4
SMOH:

N322PB

Midwest Aviation Services, Inc.

PO Box 219 (270)744-8686 Ph.
200 Hardy Roberts Dr. (270)744-3466 Fax
West Paducah, KY 42086 midwest-aviation.com

Drained engine oil. Cut open oil filter, inspected for contamination. None found at this time. Installed new CH48108-1 filter and serviced with 8qts of Aeroshell 15W50. Washed and ground ran engine. No leaks noted at this time.

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

SIGNATURE

A&P

Brent P. Stevens A&P 3014757
For Midwest Aviation Services Inc.

1/19/2012

Date: 1/19/2012; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 157.40; Total Time: 157.40; Engine - Type: TCM TSIO550K, S/N: 1003148, Time: 157.40
Shop Order #: SH-12-0017

Discrepancy: 300

ENGINE IS DUE ANNUAL INSPECTION.

Corrective Action: 300

COMPLIED WITH THE ANNUAL INSPECTION ON THIS ENGINE.

Discrepancy: 301

PERFORM COMPRESSION CHECK.

Corrective Action: 301

COMPRESSION CHECKED: 1-68/80, 2-70/80, 3-72/80, 4-72/80, 5-68/80, 6-74/80 ON THIS ENGINE.

Discrepancy: 302

ENGINE OIL AND OIL FILTER DUE CHANGE.

Corrective Action: 302

CHANGED ENGINE OIL AND OIL FILTER. INSPECTED THE OIL FILTER CARTRIDGE, NO DEFECTS NOTED AT THIS TIME. INSTALLED NEW CH48108-1 OIL FILTER, SERVICED ENGINE WITH 8 QUARTS AEROSHELL 15W50 OIL. NO LEAKS NOTED AT THIS TIME.

Discrepancy: 303

TAKE ENGINE OIL SAMPLE.

Corrective Action: 303

TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

Discrepancy: 304

AD 11-25-51 AMEND. 39-16891 DATED 12/28/11 (STARTER ADAPTER SHAFT GEAR INSPECT) DUE.

Corrective Action: 304

COMPLIED WITH AD 11-25-51 AMEND. 39-16891 DATED 12/28/11 (STARTER ADAPTER SHAFT GEAR INSPECT) DUE. AD DOES NOT APPLY TO THIS ENGINE BECAUSE OF ENGINE BUILD UP DATE.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed:

Dated:

1/19/12

Tri-State Aero, Inc. CRSAHTR102C

6101 Flightline Drive

Evansville, Indiana 47725

812-426-1221

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.

Brought Forward →

05/22/2012

Date: 5-22-12
Tach: 204.5
ENGTT: 204.5
SMOH:

N322PB

Midwest Aviation Services, Inc.

PO Box 219 (270)744-8686 Ph.
200 Hardy Roberts Dr. (270)744-3466 Fax
West Paducah, KY 42086 midwest-aviation.com

Drained engine oil. Cut open old filter, inspected for contamination, none found at this time. Installed new Ch48108-1 filter. Serviced with 8qts of Aeroshell 15W50. Washed and ground ran engine. No leaks noted at this time.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 10198

SIGNATURE  for CRS MW8R657W

10/23/2012

Date: 10/23/2012
Tach/Hobbs: 240.0
ENGTT:
SMOH:

N322PB

Midwest Aviation Services, Inc.

PO Box 219 (270)744-8686 Ph.
200 Hardy Roberts Dr. (270)744-3466 Fax
West Paducah, KY 42086 midwest-aviation.com

Drained oil, replaced filter with new CH48108-1, cut open old filter and inspected for metal, none noted at this time, serviced engine with 7 qts Aeroshell 15W50, washed and ran engine. END

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file under shop order 10487

SIGNATURE  A&P3075199

4/13/2012

Date: 4/13/2012; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 178.00; Total Time: Shop Order #: SH-12-0168, Closed: 4/20/2012

Discrepancy: 2
FREON AIR CONDITIONER INOPERATIVE.

Corrective Action: 2
AS PER CIRRUS MAINTENANCE CONTROL, COMPLETED SB 2X-21-05. SEE DISCREPANCY #6 IN THIS WORK ORDER.

Discrepancy: 3
LOW OXYGEN ANNUNCIATOR ON PFD CAME ON FOR 20-30 SECONDS THEN WENT OUT AND OXYGEN BOTTLE IS FULLY SERVICED.

Corrective Action: 3
OPS CHECKED OXYGEN SYSTEM NUMEROUS TIMES, COULD NOT DUPLICATE DISCREPANCY AT THIS TIME.

Discrepancy: 4
SB 2X-71-18 R1 LEFT HAND INDUCTION LIFT KIT INSTALLATION.

Corrective Action: 4
INSTALLED NEW AIR BOX BASE P/N 26391-005 AND TURBO OIL RESERVOIR P/N 658272. GROUND RAN AIRCRAFT, OPS CHECKS AND LEAK CHECKS GOOD AT THIS TIME. ALL WORK PERFORMED IN ACCORDANCE WITH SB 2X-71-18 R1.

Discrepancy: 5
SB 2X-71-19 AIR/OIL SEPERATOR REPLACEMENT

Corrective Action: 5
REMOVED ORIGINAL AIR/OIL SEPERATOR SYSTEM AND INSPECTED OIL COOLER AS NEEDED. DEFECTS ARE NOTED ON DISCREPANCY #7 OF THIS WORK ORDER. INSTALLED NEW AIR/OIL SEPERATOR SYSTEM KIT P/N 70259-001. GROUND RAN AIRCRAFT, OPS CHECK AND LEAK CHECK

Continued on next page. (JD)

Date	<p>GOOD AT THIS TIME. ALL WORK PERFORMED IN ACCORDANCE WITH SB 2X-71-19. Discrepancy: 6 CIRRUS SB 2X-21-05 CABIN AIR COUPLER ACTUATOR RIGGING. Corrective Action: 6 INSPECTED AND FOUND CABIN AIR COUPLER OUT OF RIG. RIGGED CABIN AIR COUPLER ACTUATOR AS REQUIRED. OPS CHECK GOOD AT THIS TIME. WORK PERFORMED IN ACCORDANCE WITH SB 2X-21-05.</p>
Brought Forward	<p>Discrepancy: 7 OIL COOLER MOUNTING FLANGE IS CRACKED.</p>
	<p>Corrective Action: 7 REMOVED OIL COOLER AND SENT OUT FOR REPAIR. RECIEVED REPAIRED OIL COOLER P/N 654585 BACK FROM AEROSPACE WELDING MINNEAPOLIS INC. THIER WORK ORDER # 145860 DATED APRIL 10, 2012. REINSTALLED OIL COOLER, GROUND RAN AIRCRAFT. LEAK CHECKS AND OPS CHECKS ARE GOOD AT THIS TIME. REMOVED AND INSTALLED IN REFERENCE WITH CIRRUS SR22 MAINTENANCE MANUAL 79-20.</p>
	<p>The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.</p>
	<p>Signed: <i>[Signature]</i> Dated: <u>4/13/12</u></p>
	<p>Tri-State Aero, Inc. (CRSAHTR102C) 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221</p>

2/8/2013

Date: 2/08/2013; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 268.40; Total Time: 268.40
 Shop Order #: SH-13-0031
 Discrepancy: 2
 LH INDUCTION SCAT HOSE CHAFFING ON EXHAUST STACK AND BURNED THROUGH.
 Corrective Action: 2
 REMOVED AND REPLACED SCAT HOSE WITH NEW SCAT HOSE P/N SCEET 12. REORIENTED CLAMP AND HOSE TO HOLD HOSE OFF OF EXHAUST PIPE IN REFERENCE WITH CIRRUS SR 22T MAINTENANCE MANUAL 21-20.
 Discrepancy: 3
 SB 2X-57-13 R2 LOWER LANDING GEAR ATTACH BRACKET TORQUE INSPECTION.
 Corrective Action: 3
 COMPLIED WITH LOWER LANDING GEAR ATTACH BRACKET TORQUE INSPECTION WITH NO DEFECTS NOTED IN ACCORDANCE WITH SB 2X-57-13 R2.
 Discrepancy: 4
 SB 2X-71-18 R2 LH INDUCTION LIFT KIT INSTALLATION.
 Corrective Action: 4
 SB 2X-71-18 R2 NEEDS NO FURTHER ACTION DUE TO THE COMPLETION OF SB 2X-71-18 R1 LH INDUCTION LIFT KIT INSTALLATION ON 4/13/2012 WORK ORDER SH-12-0168.
 Discrepancy: 5
 SB 2X-71-19 R1 AIR/OIL SEPERATOR REPLACEMENT.
 Corrective Action: 5
 SB 2X-71-19 R1 NEEDS NO FURTHER ACTION DUE TO PREVIOUSLY COMPLYING WITH SB 2X-71-19 AIR/OIL SEPERATOR REPLACEMENT ON 4/13/2012 WORK ORDER SH-12-0168.
 Discrepancy: 6
 SB 2X-71-22 ALTERNATE AIR ASSEMBLY BRACKET REINFORCEMENT.

Corrective Action: 6
 REMOVED ALTERNATE AIR ASSEMBLY, REMOVED BRACKET ASSEMBLY FROM INDUCTION TUBE. PREPARED BOTH INDUCTION TUBE AND BRACKET FOR ATTACHMENT OF KIT. INSTALLED BRACKET TO TUBE WITH NEW HARDWARE CONSISTING OF 4 BOLTS P/N AN3-3, 4 NUTS P/N MS17825-3, 4 COTTER PINS P/N MS24665-132 & 4 WASHERS P/N NAS1149F0332P. REINSTALLED ALTERNATE AIR ASSEMBLY AS NEEDED. OPS CHECK GOOD A T THIS TIME IN ACCORDANCE WITH SB 2X-71-22.
 Discrepancy: 7
 SB 2X-71-23 BAFFLE GUSSET INSTALLATION.
 Corrective Action: 7
 COMPLIED WITH BAFFLE GUSSET INSTALLATION BY INSTALLING BAFFLE KIT P/N 70265-001 IN ACCORDANCE WITH SB 2X-71-23.
 Discrepancy: 8
 SB 2X-77-04 MAP/OIL PRESSURE SENSOR REPLACEMENT.
 Corrective Action: 8
 COMPLIED WITH MAP/OIL SENSOR AND WIRE HARNESS REPLACEMENT BY REMOVING OIL PRESSURE SENSOR, OIL PRESSURE SENSOR WIRE HARNESS AND MAP WIRE HARNESS. INSTALLED NEW KIT P/N 70264-001. GROUND RAN AIRCRAFT, OPS CHECK AND LEAK CHECK GOOD AT THIS TIME IN ACCORDANCE WITH SB 2X-77-04.
 Discrepancy: 9
 SB 2X-79-01 OIL LINE SECURITY.
 Corrective Action: 9
 SECURED OIL LINE FOR LH OIL COOLER TO WASTEGATE BY INSTALLING KIT P/N 70263-001 IN ACCORDANCE WITH SB 2X-79-01.
 Discrepancy: 10
 RH MAGNETO LEAKING.

Corrective Action: 10
REMOVED RH MAGNETO, REPLACED MOUNT GASKET WITH NEW GASKET P/N 649954. REINSTALLED
RH MAGNETO. GROUND RAN AIRCRAFT, LEAK CHECK AND OPS CHECK GOOD AT THIS TIME.
The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in
accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is
approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed:  Dated: 2/8/2013
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

coro
actions

Brought For

2/8/13

Date: 2/08/2013; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 268.40; Total Time: 268.40; Engine - Type:
TCM TSIO550K, S/N: 1003148, Time: 268.40

Shop Order #: SH-13-0030

Discrepancy: 300

ANNUAL INSPECTION DUE ON THIS ENGINE.

Corrective Action: 300

COMPLIED WITH ANNUAL INSPECTION ON THIS ENGINE, DEFECTS ARE NOTED IN THIS WORK
ORDER.

Discrepancy: 301

PERFORM COMPRESSION CHECK.

Corrective Action: 301

COMPRESSION CHECKED: 1- 70/80, 2- 66/80, 3- 70/80, 4- 70/80, 5- 56/80, 6- 70/80 ON THIS ENGINE.

MASTER ORIFICE READING IS 40.

Discrepancy: 302

ENGINE OIL AND OIL FILTER DUE CHANGE.

Corrective Action: 302

DRAINED ENGINE OIL, REMOVED AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED
NEW OIL FILTER P/N CH48108-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15/W50
MOTOR OIL. GROUND RAN AIRCRAFT, LEAK CHECKS GOOD AT THIS TIME.

Discrepancy: 303

ALL FUEL NOZZLES NEED CLEANED.

Corrective Action: 303

REMOVED, CLEANED AND INSPECTED ALL FUEL NOZZLES WITH NO DEFECTS NOTED. REINSTALLED
FUEL NOZZLES IN THEIR CORRESPONDING CYLINDERS AS REQUIRED. LEAK CHECK AND OPS CHECK
GOOD AT THIS TIME IN REFERENCE WITH CIRRUS SR 22T MAINTENANCE MANUAL 28-20.

Discrepancy: 304

AD 12-03-06 AMEND. 39-16947 DATED 2/24/12 (AFS FUEL SERVO DIAPHRAGM INSTALLED) DUE.

Corrective Action: 304

AD 12-03-06 AMEND. 39-16947 DATED 2/24/12 DOES NOT PERTAIN TO THIS AIRCRAFT. AIRCRAFT NOT
EQUIPPED WITH AFS FUEL SERVO DIAPHRAGM. NO FURTHER ACTION REQUIRED.

Discrepancy: 305

AD 12-10-13 AMEND. 39-17062 DATED 6/08/12 (STARTER ADAPTER SHAFT GEAR INSTALLED) DUE.

Corrective Action: 305

AD 12-10-13 AMEND. 39-17062 DATED 6/08/12 DOES NOT PERTAIN TO THIS AIRCRAFT. STARTER
ADAPTERS LISTED IN THIS AD ARE NOT INSTALLED ON THIS AIRCRAFT. NO FURTHER ACTION IS
REQUIRED.

Discrepancy: 306

ALL SPARK PLUGS NEED REGAPPED.

Corrective Action: 306

REGAPPED ALL SPARK PLUGS AS NEEDED, OPS CHECK GOOD AT THIS TIME.

Discrepancy: 307

TAKE ENGINE OIL SAMPLE.

Corrective Action: 307

TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

Inspected & repaired in accordance with current regulations of the Federal Aviation Administration
and Cirrus SR22T Annual inspection. I certify that this aircraft was found airworthy and
is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: 

DATE: 2/8/2013

Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725



Engine TCM	N322PB	September 19, 2013
Model - TSIO550K1B		Serial # 1003148
HM - 424.9	ETT - 424.9	ACTT - 424.9
	SMOH - N/A	

Scheduled Maintenance

Complied with Cirrus 400 Hour Demo inspection. Drained oil. Removed, inspected and replaced oil filter with new part number CH48108-1. Changed oil type and brand to Phillips XC20W50. Added 8 Qts. Oil sample taken for analysis. Results pending. Compression tested all cylinders: #1) 75/80, #2) 76/80, #3) 73/80, #4) 68/80, #5) 50/80, #6) 66/80. Spark plugs removed, cleaned, inspected, gapped, tested and re-installed. Spray cleaned engine, run up, operationally tested and leak checked.

Shawn C. Sayle
Shawn C. Sayle
 AP490825188

Date: 3/06/2014; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 365.30; Total Time: 365.30

Shop Order #: SH-14-0088

Discrepancy: 2

#1 ALTERNATOR IS BLOWING OIL OUT OF BLAST TUBE.

Corrective Action: 2

REMOVED #1 ALTERNATOR P/N ES-10024 S/N 464203 AND INSTALLED NEW ALTERNATOR P/N 956802 S/N H-N120883 FROM CONTINENTAL MOTORS THIER WORK ORDER # 379149 DATED JANUARY 22, 2014. GROUND RAN AIRCRAFT, OPS CHECK AND LEAK CHECK GOOD AT THIS TIME IN REFERENCE WITH CIRRUS SR22T MAINTENANCE MANUAL 24-30. THIS DISCREPANCY WAS ACCOMPLISHED UNDER CIRRUS WARRANTY AS PER CIRRUS TECHNICAL SUPPORT ON THE AUTHORIZATION # 00126147.

Discrepancy: 3

OIL PRESSURE WAS FLUCTUATING ON PRE-RUN.

Corrective Action: 3

TROUBLE SHOT SYSTEM AND FOUND FAULTY OIL PRESSURE SENSOR. REMOVED AND REPLACED OIL PRESSURE SENSOR WITH NEW SENSOR P/N 12635-004. GROUND RAN AIRCRAFT, OPS CHECK AND LEAK CHECK GOOD AT THIS TIME IN REFERENCE WITH CIRRUS SR22T MAINTENANCE MANUAL 79-30. THIS DISCREPANCY WAS ACCOMPLISHED UNDER CIRRUS WARRANTY AS PER CIRRUS TECHNICAL SUPPORT ON THE AUTHORIZATION # 00126147.

Discrepancy: 4

MISSING SHOCK ISOLATORS ON AIR CONDITIONER DRIVE PULLEY.

Corrective Action: 4

REMOVED AIR CONDITIONOR DRIVE PULLEY AND REMOVED OLD STYLE SHOCK ISOLATORS AND SPACERS. INSTALLED NEW STYLE SHOCK ISOLATORS KIT P/N 1133177-1 AND REINSTALLED DRIVE PULLEY. COMPLETED BELT TENSIONING FOR AIR CONDITIONER SYSTEM. ALL WORK PERFORMED IN

REFERENCE WITH CIRRUS SR22T MAINTENANCE MANUAL 21-50. THIS DISCREPANCY WAS ACCOMPLISHED UNDER CIRRUS WARRANTY AS PER CIRRUS TECHNICAL SUPPORT ON THE AUTHORIZATION # 00126147.

Discrepancy: 5

RUBBER STRIPS ON BOTH MAIN GEAR STRUTS NEED REGLUED.

Corrective Action: 5

REGLUED ALL FOUR STRIPS ON BOTH LH AND RH LANDING GEAR STRUTS AS REQUIRED IN REFERENCE WITH CIRRUS SR22T MAINTENANCE MANUAL 32-10. THIS DISCREPANCY WAS ACCOMPLISHED UNDER CIRRUS WARRANTY AS PER CIRRUS TECHNICAL SUPPORT ON THE AUTHORIZATION # 00126147.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signed: *[Signature]* Dated: *3/6/2014*
 Tri-State Aero, Inc. CRSAHTR102C 6101 Flightline Drive Evansville, Indiana 47725 812-426-1221

Date: 3/06/2014; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 365.30; Total Time: 365.30; Engine - Type:

TCM TSIO550K, S/N: 1003148, Time: 365.30

Shop Order #: SH-14-0086

Discrepancy: 300 ANNUAL INSPECTION DUE ON THIS ENGINE.

Corrective Action: 300 COMPLIED WITH ANNUAL INSPECTION ON THIS ENGINE. DEFECTS ARE NOTED IN THIS WORK ORDER.

Discrepancy: 301 ENGINE COMPRESSION CHECKS DUE
Corrective Action: 301 COMPLIED WITH ENGINE COMPRESSION CHECKS AS FOLLOWS: CYLINDER # 1-64/80 2-54/80 3-60/80 4-69/80 5-56/80 6-64/80 WITH A MASTER ORIFICE OF 43. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 302 ENGINE OIL AND FILTER DUE CHANGE
Corrective Action: 302 DRAINED ENGINE OIL REMOVED, AND INSPECTED OIL FILTER WITH NO DEFECTS NOTED. INSTALLED NEW OIL FILTER P/N CH48108-1 AND SERVICED ENGINE WITH 8 QUARTS OF AEROSHELL 15W50. GROUND RAN AIRCRAFT, LEAK CHECK GOOD AT THIS TIME.

Discrepancy: 303 TAKE ENGINE OIL SAMPLE.
Corrective Action: 303 TOOK ENGINE OIL SAMPLE AND SENT OUT FOR ANALYSIS.

Discrepancy: 304 ALL FUEL NOZZLES NEEDED CLEANED.
Corrective Action: 304 REMOVED ALL FUEL NOZZLES, CLEANED, AND INSPECTED WITH NO DEFECTS NOTED AT THIS TIME. REINSTALLED ALL FUEL NOZZLES IN THIER CORRISPONDING CYLINDERS. GROUND RAN AIRCRAFT, LEAK CHECK GOOD AT THIS TIME.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was inspected & repaired 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 this repair station.

SIGNED: [Signature] DATE: 3/6/2014
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725



Engine TCM
Model - TSIO550K1B
HM - 521.8

N322PB

ETT - 521.8

SMOH - N/A

September 8, 2014
Serial # 1003148
ACTT - 521.8

Scheduled Maintenance

Drained oil. Removed, inspected and replaced oil filter with new part number CH48108-1. Changed oil type and brand to Phillips XC20W50. Added 8 Qts. Oil sample taken for analysis. Results pending. Spray cleaned engine, run up, operationally tested and leak checked.

[Signature]
Shawn C. Sayle
AP490825188

Date: 4/08/2014; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: ~~474.50~~ 374.90; Total Time: 374.90

Shop Order #: SH-14-0157

Discrepancy: 2 OIL PRESSURE ERRATIC.

Corrective Action: 2 REPLACED OIL PRESSURE SENSOR P.N. 12635-004 HARNES AND CONNECTOR P.N. 29613-001 IAW CIRRUS WARRANTY AUTHORIZATION 0126871. CHECKED ALL ASSOCIATED WIRING FOR PROPER TERMINATION, CONTINUITY AND CONDITION. SYSTEM OPERATION PERFORMS SATISFACTORY.

Discrepancy: 3 ERRONEOUS PITOT HEAT MESSAGE.

Corrective Action: 3 REPLACED PITOT HEAT CURRENT SENSOR P.N. 50349-001 IAW CIRRUS WARRANTY AUTHORIZATION 0126871. CHECKED WIRING FOR PROPER TERMINATION, CONTINUITY AND CONDITION. SYSTEM OPERATION PERFORMS SATISFACTORY.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with the current regulations of the Federal Aviation Administration and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

Signer: [Signature] Dated: 4-8-14
Tri-State Aero, Inc. CRS AHTR102C 6101 Flightline Drive Evansville Indiana 47725 812-426-1221

LOGBOOK ENTRY
ENGINE

Ideal Aviation
2100 Vector Dr.
Cahokia, IL 62206
618-337-5845
618-337-6576 (F)

MODEL:TSIO-550-K
ENGINE S/N:1003148
N322PB
S/N:0065

DATE:03/17/2015
HOBBS:539.6
ETSN:428.8

SCHEDULED MAINTENANCE

1. Completed Cirrus SR22T Annual / 100hr. check list for compliance with FAR 43 Appendix D.
2. C/W compression test cyl 1)70/80 2)72/80 3)71/80 4)70/80 5)70/80 6)66/80
3. Drained oil, took oil sample, removed filter, cut filter and inspected, no metal found at this time. Installed new filter P/N:CH48108-1 and serviced engine with 8 quarts 15W50 AeroShell oil.
4. Serviced spark plugs and tested, no defects noted at this time reinstalled with new copper crush gaskets.
5. Serviced fuel nozzles and reinstalled with new o-rings and seals ref. Continental TSIO-550-K M/M.
6. Tighten rocker cover bolts to proper torque ref. Continental TSIO-550-K M/M.
7. C/W 500hr. magneto inspection. Replaced contact assembly P/N:10-382584 and capacitor P/N:10-400615 on left and right magneto, reinstalled with new gasket P/N:649954 and time to engine.

I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in an airworthy condition and is approved for return to service.

Additional details of this work are on file under Work Order #5005.

John Eggemann
A&P33790361A

SIGNED



ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1003148
REG. NO: N322PB
WORK ORDER: 5349



Ideal Aviation
2100 Vector Dr.
Cahokia, IL 62206
Phone: 618-337-5845

DATE: 1/6/2016
A/C TSN: 471
ENG TT: 471
TSMOH:
FLIGHTTIME: 471

Engine Entries

- (1) Complied with CSB17-7A. Installed fitting PN: 658607 and plug 2024. Performed engine run up for leak check. Chk good.
- (2) Drain engine oil. Removed engine oil filter and cut open to inspect for contaminants and debris. None found. Installed new oil filter PN: CH48108-1 torqued to specification and safetied. Serviced engine with 8 qts Aeroshell 15w50. Performed engine run up and leak check. Chk good.

Maintenance Release

The aircraft and/or component(s) on N322PB was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to work performed. Pertinent details of the repair are on file at this facility under Work Order No. 5349, Dated 1/6/2016.

DATE: 1/6/2016

SIGNED:



Work Order: 5349

Ray Manipole, A&P: 3395161

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ENGINE MODEL:
TSIO-550-K
ENGINE S/N: 1003148
REG. NO: N322PB
WORK ORDER: 5413



Parks Aviation Holdings LLC dba Ideal Aviation
2100 Vector Dr.
Cahokia, IL 62206
Phone: 618-337-5845

DATE: 5/13/2016
A/C TSN: 477.2
ENG TT: 477.2
TSMOH:
FLIGHTTIME: 477.2

Engine Entries

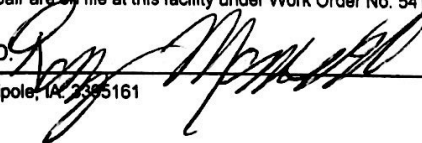
- (2) completed compression ck. 1) 62, 2) 64, 3) 70, 4) 72, 5) 62, 6) 60/80 Ray Manipole A&P 3395161
- (3) drained sump & filled with 8 qts. Phillips 20w50xc oil. Ray Manipole A&P 3395161
- Removed oil filter. Cut filter open to inspect element for contaminants. None to note. Installed new filter Part Number: Ch48108-1. Torqued filter to specification and safetied.
- Joshua Stout/ A&P: 3751655
- (5) Removed spark plugs. Cleaned, gapped, and bomb checked all plugs. Plugs passed checks. Installed spark plugs and torqued to specification. Joshua Stout/ A&P: 3751655
- (9) Performed magneto to engine timing check. Timing checks good at approximately 24 Degrees before Top Dead Center on cylinder 1. Joshua Stout/ A&P: 3751655
- (13) Removed fuel nozzles. Soaked nozzles in Hoppies 9. Inspected nozzles for damage and corrosion. None found. Installed new seals on fuel rail. New main line seal Part Number: 633958-5. Installed new nozzle line seals Part Number: 633598-3. Installed new o rings on nozzles Part Number: 630979-9. Installed fuel nozzles and torqued to specification. Installed nozzle lines and main fuel lines. Performed leak check. Checked good. Joshua Stout/ A&P: 3751655
- (19) Removed oil pressure sensor, cleaned & inspected, cks. ok. Removed & inspected wire harness, cks.ok. Reinstalled sensor & connector. Ray Manipole A&P 3395161.
- (20) Installed fuel test gage, set fuel pressures per TCM SID 97-3F. Ray Manipole A&P 3395161.
- (25) Torqued all rocker cover screws to specifications. Matthew Baker A&P 3575489.
- (27) repositioned & secured exhaust heat shields above turbo & wastegate. Ray Manipole A&P 3395161.
- (28) Applied mousemilk to waste gate. Joshua Stout/ A&P: 3751655
- (39) Removed engine and sent to Central Cylinder Service, Inc. for repair. Ray Manipole A&P 3395161.

Maintenance Release

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy condition and is approved for return to service. Pertinent details of the repair are on file at this facility under Work Order No. 5413, Dated 5/13/2016.

DATE: 5/13/2016

SIGNED:



Work Order: 5413

Ray Manipole, A&P: 3395161

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
at Forward	→				



Engine TCM
Model - TSIO550K1B
HM - 630.5

N322PB

October 7, 2016
Serial # 1003148

Scheduled Maintenance

Drained oil. Removed, inspected and replaced oil filter with new part number CH48108⁹-1. Changed oil type to Phillips XC20W50 following engine break-in.. Added 8 Qts. Oil sample taken for analysis. Results pending. Spray cleaned engine, run up, operationally tested and leak checked.

Daniel E. Cammack
Daniel E. Cammack
AP3729285



Engine Make - TCM
Model - TSIO550K1B
Flight HM - 522.3

N322PB

June 7, 2017
SN - 1003148
ACTT - 522.3

HM - 655.7 ETT - 522.3

Scheduled Maintenance

Inspected Engine in accordance with Cirrus SR22T Maintenance Manual checklist and requirements of 14CFR Part 43 APP D Drained oil. Removed, inspected and replaced filter with new CH48108-1 filter per TCM requirements. No metal noted. Sample taken for analysis. Added 7 Quarts Phillips XC20W50 oil. Spark plugs removed, cleaned, gapped, inspected and re-installed. Timing checked. Fuel injector nozzles removed, inspected, cleaned, re-installed, torqued and leak checked. Lubricated and checked controls. **Compression tested cylinders; #1) 69/80, #2) 60/80, #3) 73/80, #4) 66/80, #5) 70/80, #6) 60/80.** Operationally tested and leak checked engine following all work.

Airworthiness Directives

Reference Aircraft Registration Profile revision dated 06/06/2017.

I certify that this ENGINE has been inspected in accordance with an ANNUAL/100 Hour inspection and was determined to be in an airworthy condition.

Shawn C. Sayle
Shawn C. Sayle
AP490825188IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
ht Forward	→				



Aircraft Make – Cirrus
Model – SR22T
Flight HM – 530.6

HM – 666.3

July 17, 2017
SN – 0065
ACTT – 530.6

Un-Scheduled Maintenance

- Removed and replaced cylinder # 2 and #3 CHT sensor with new part number 24584-001 sensor. Inspected remaining wiring and sensors for routing and securing. Operationally tested engine monitoring indication system and all parameters appears to function normally. Cowling was removed and then re-installed to facilitate task. No further defects noted.
- Jacked NLG and inspected Spindle nut assembly. Disassembled, cleaned, assembled, tensioned and safetied spindle nut.
- Removed NLG wheel assembly. Disassembled, cleaned, inspected and replaced tire with new Goodyear 505C61-6 5.00X5 6 Ply tire. Balanced wheel assembly, installed, and serviced.

Shawn C. Sayle
Shawn C. Sayle
AP490825188

5/13/16 JTB 477.2 (See page 8)

David Jenkins

Date


Brought Forward →

Reg. No. - N322PB TSIO-550K1B S/N 1003148 **Date- 10/27/17**

Hobbs:	577.0
TSN:	577.0

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil. Engine run and leak check good.



Authorized Signature *[Signature]*
A&P2145613


Reg. No. - N322PB TSIO-550K1B S/N 1003148 **Date- 12/6/17**

Hobbs:	614.7
TSN:	614.7

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

Compressions #1 77/80, #2 76/80, #3 78/80, #4 78/80, #5 77/80, #6 76/80

Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing, cleaned injectors, washed engine. Engine run and leak check good.




Authorized Signature *[Signature]*
A&P2145613

Reg. No. - N322PB TSIO-550K1B S/N 1003148 **Date 2/17/18**

Hobbs:	655.1
TSN:	655.1

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Removed defective oil pressure sender P/N 12635-004 S/N D0713, installed new oil pressure sender P/N 12635-004 P/N M0716 installed and secured with new tie wraps to the oil pressure sensor strain relief as per SB 2X-77-04 R1 and Cirrus Maintenance Manual Section 79-30 2. E. Engine run, leak and ops check




Authorized Signature *[Signature]*
A&P2726741

Reg. No. - N322PB SR-22T S/N 0065 **Date 2/16/18**

Hobbs	661.3
TTAF	661.3

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

Removed and replaced Oxygen Sensor P/N 24660-002 S/N 91598 with new unit P/N 24660-002 S/N 98321 Expires February 2025 .



Authorized Signature *[Signature]*
A&P2726741

Date

Total Time		Time Since Last Overhaul	
Hrs.	Min.	Hrs.	Min.

Engine Service and Maintenance Record
 Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Brought Forw

Reg. No. - N322PB TSIO-550K1B S/N 1003148

Date- 3/23/18

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

Hobbs:	712.1
TSN:	712.1

Compressions #1 76/80, #2 74/80, #3 76/80, #4 71/80, #5 72/80, #6 65/80 Master Orifice Reading: 44
 Drained oil, replaced filter with CH48108-1, added 7 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing, cleaned injectors. Engine run and leak check good.



Authorized Signature Oscar Ama
 A&P2726741

Reg. No. - N322PB TSIO-550K1B S/N 1003148

Date 5/2/18

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Hobbs:	758.2
TSN:	758.2

Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil. Engine run and leak check good.



Authorized Signature Anthony Bell
 A&P2145613

Reg. No. - N322PB TSIO-550K1B S/N 1003148

Date- 5/31/18

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

Hobbs:	795.3
TSN:	795.3

Compressions #1 77/80, #2 76/80, #3 78/80, #4 78/80, #5 77/80, #6 76/80
 Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing, cleaned injectors, washed engine. Engine run and leak check good.



Authorized Signature Anthony Bell
 A&P2145613

Reg. No. - N322PB TSIO-550K1B S/N 1003148

Date- 6/27/18

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

Hobbs:	815.8
TSN:	815.8

Compressions #1 76/80, #2 76/80, #3 78/80, #4 75/80, #5 77/80, #6 77/80 Master Orifice 46.
 Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing, cleaned injectors, washed engine. Engine run and leak check good.

Flight Sport Aviation, LLC
 Anthony Bell A&P, IA



Authorized Signature Anthony Bell
 A&P2145613IA

Forward →



8014 E. McClain Dr. Ste. 210 • Scottsdale, AZ 85260 • (480) 443-7267
N322PB HOBBS: 1076.6

Model: Cirrus SR22T SN: 0065 Date: 08/28/2018
Engine: Continental TSIO550K1B S/N 1003148 TTE: 1076.6 TSMOH: -
Propeller: Hartzell PHL-J3Y1F-1N S/N NJ405B TT: 1076.6 TSMOH: -
ENGINE LOG ENTRY

1. C/W 50 hour inspection IAW Cirrus SR22 AMM/Scheduled Inspection Report, Traditional Program, 50 hour requirements Chapter 05-20-00 Rev 15.
2. Removed oil filter and inspected, drained oil, installed new filter P/N CH48108-1 and serviced engine with 8 qts Phillips 20W-50 IAW Continental IO550N50 MM 6-4.4

Work accomplished I certify this article has been repaired and inspected in accordance with the current federal aviation regulations and was determined to be in airworthy condition with respect to the work performed and is approved for return to service W.O. S29-18-10897

Signature TechnicAir

FAA CRS: LN3R663L

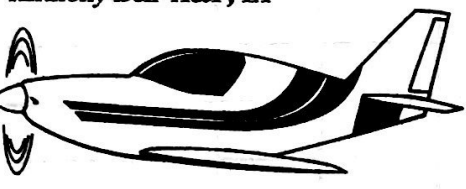
Reg. No. - N322PB TSIO-550K1B S/N 1003148 **Date 11/29/18**

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Hobbs:	882.7
TSN:	882.7

Drained oil, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil. Engine run and leak check good.

Flight Sport Aviation, LLC
Anthony Bell A&P, IA



Authorized Signature
A&P2145613


Reg. No. - N322PB TSIO-550K1B S/N 1003148 **Date 12/5/18**

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service.

Hobbs:	883.9
TSN:	883.9

Replaced defective turbo check valve P/N 646717 engine run and leak check good.

Flight Sport Aviation, LLC
Anthony Bell A&P, IA



Authorized Signature
A&P2145613

Brought For

Reg. No. - N322PB TSIO-550K1B S/N 1003148

Date- 1/22/19

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

Hobbs: 912.4
TSN: 912.4

Compressions #1 77/80, #2 76/80, #3 78/80, #4 77/80, #5 77/80, #6 75/80 Master Orifice 46. Drained oil, cut open and inspected filter, no metal, replaced filter with CH48108-1, serviced with 7 Qts Phillips 20W50 XC oil, cleaned and gapped plugs, checked mag timing, cleaned injectors, washed engine. Engine run and leak check good.

Flight Sport Aviation, LLC
Anthony Bell A&P, IA



Authorized Signature: *[Signature]*
A&P2145613

Registration: N322PB Date: 3-4-19
Model: SR22T S/N: 0065 ACTT: 954.6

Engine Log Entry

C/W 50 hour inspection IAW Cirrus SR22 AMM/Scheduled Inspection Report, Traditional Program, 50 hour requirements Chapter 05-20-00. Drained oil, replaced oil filter with CH480108-1, serviced with 8 quarts Phillips 20W50 XC oil. Ran for leak check. No issues noted at this time.

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

SIGNATURE *[Signature]*
A&P 3417318

Registration: N322PB Date: 6-25-19
Model: Cirrus SR22T S/N: 0065 Hobbs: 977.4 ACTT: 977.4

Engine Log Book Entry

Engine Model: TSIO-550-K1B S/N: 1003148

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

Replaced all spark plugs, P/N RHB32E

Compressions #1 76/80 #2 72/80 #3 76/80 #4 76/780 #5 72/80 #6 74/80 Master orifice 46. Drained oil, replaced filter CH48018-1, Added 8 qts Phillips 20W-50 XC oil, cleaned and gapped plugs, checked magneto timing, serviced air filter, cleaned injectors.

C/W review of AD Bi-weekly Listing 2019-12

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

SIGNATURE *[Signature]*

A&P 2703488 IA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →

N322PB 9-6-2019 Hobbs: 1308.8 Flt Hrs: 1007.5

Drained oil and removed filter. Installed AA48108 filter and safety wired. Serviced engine with 7 qts. Phillips 20W50 oil. Ground ran and leak checked.

Cheri Stafford A&P 3647515

7-15-20 Hobbs: 1343.8 FLT HRS 1035.4
 Performed an annual inspection on this engine using FAR 43 appendix D as a guide. Comp. CK. #164/80 #2 54/80 #3 50/80 #4 58/80 #5 50/80 #6 50/80 M.O. 44.
 Drained oil and pulled filter. Serviced with 7qts Phillips 20W50 & AA48108 filter. Cleaned, gapped and tested plugs. Checked mag timing. Cleaned fuel injectors. A.D.'s checked to date. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.
Donald Stafford A&P 3647522 FA

Date: 05/20/2021 Hours: Flt Hrs 1080.6
 Tail#: N322PB Hobbs 1399.7
 Make: Cirrus Model: SR22T S/N: 0065
 Drained oil and removed filter. Installed new CH48108 filter and safety wired. Serviced engine with 7 quarts Phillips 20W50 oil. Ground ran and leak checked.

Name: Cherie Stafford
 Co: DC Aviation LLC
 Cert: A&P 3647515
 Sign: *Cheri Stafford*



Date: 8/18/2021; Aircraft: N322PB; Type: SR22T; S/N: 0065; Hobbs: 1403.20; Tach: 1083.30; Total Time: 1083.30; LG Cycles:; Engine - Type: TSIO-550-K1B, S/N: 1003148, Time: 1083.30; Prop - Type: J3Y1F-1N/N7605B, S/N: N3405B, Time: 1083.30
Shop Order #: SH21-0122

Record
ctions,

Discrepancy: 300 Engine 100 Hour/Annual Inspection Due
Corrective Action: 300 Performed Engine 100 Hour/Annual Inspection Of The Aircraft (N322PB) This Date Per Cirrus Design SR22 & SR22T (Maintenance Manual Chapter 5-20) 100Hour / Annual Inspection Guide. Dated Aug. 20th, 2019. Discrepancies Are As Follows.

Discrepancy: 301 Hot Compressions:
Corrective Action: 301 Performed Hot Compressions: 1- 48/80, 2- 52/80, 3- 70/80, 4- 70/80, 5- 68/80, 6- 63/80. Master Office 44.

Discrepancy: 302 Cut Oil Filter And Inspect (Due To Cylinder Changes Drain And Change Oil)
Corrective Action: 302 Changed Oil And Filter. Inspected Oil Filter For Contamination. Found To Be Within Engine Manufacturers Tolerances. Serviced Engine With 07 Quarts Of 20W50M Oil And CH48108-1 Filter. Torqued And Safetied Filters. Washed And Ran Engine. No Leaks Noted At This Time.

Discrepancy: 303 Cylinder 3,4, And 5 Have Low Compression
Corrective Action: 303. Removed R/H And L/H Intercooler And Baffle. Disconnected Applicable TANIS System Components, EGT Probes, CHT Probes, SCAT Tubing, And Wiring to Gain Access to #3,4,5 Cylinders. Removed Rocker Covers, Arms, Push Rods, Lifters, and Spark Plugs. Removed Intake and Exhaust Tubing. Removed and Replaced Cylinder & Valve Assembly P/N 658021A1, #3 S/N AC10JB633, #4 S/N AC10JA247, #5 S/N AC10JA291 With New Cylinder And Valve Assembly P/N: 658815A3, #3 S/N AC21CA786, #4 S/N AC21BC007, #5 S/N AC21CA765 FAA Form 8520-02, Dated 4/14/2021. Cylinder Installations Have Been Performed In Accordance With The TSIO-550 M-18 Permold Series Engine Maintenance and Overhaul Manual

Chapter 10-6 And M-0 Appendix B. Torque Specifications. Installed Existing Spark Plugs Using New Gaskets P/N M-674. Reinstalled Existing TANIS Components, EGT Probes, CHT Probes, SCAT Tubing And Innercooler/ Baffling. Performed Initial Engine Ground Per TCM MM, M-0, Chapter 7-2.3 New Cylinder Installation. Operationally Checked OK. Leak Checked OK. No Defects Noted At This Time.
Hot Compressions #3-70/80, #4-70/80, #5-68/80 MO: 44

Discrepancy: 304 Oil Sump Bolt Found In Nose Fairing
Corrective Action: 304 Installed Oil Sump Bolt Per TCM Manual M-0 Appendix B.

Discrepancy: 305 Magneto's Timing Needs Adjusted/Right Mag Needs Reindexing
Corrective Action: 305 Re-Indexed Right Magneto And Timed The Left And Right Magnetos To The Engine Per TCM Manual M-0 Ch. 6-4.9.1.2. Operational And Functional Check Good.

Discrepancy: 306 AD2020-16-11 TCM Cross Flow Cylinder Head Cracks Due
Corrective Action: 306 Complied With AD2020-16-11 TCM Cross Flow Cylinder Head Cracks Per Instructions In TCM MSB18-08B Inspection And Modification Of Cylinder Assemblies. N/A To S/N Of Cylinder Assemblies. No Further Actions Required.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was Inspected / Required in accordance with current regulations of the Federal Aviation Administration and SR22T Annual / 100 Hour inspection. I certify that this aircraft was found airworthy and is approved for return to service. Pertinent details of this repair are on file at the repair station.

[Signature] Date: 08-18-2021
MidAmerica Aircraft Services, LLC • CRS#: 8MCR521C • #1 Bullfrog Blvd • Owensboro, KY 42301

Date: 12/15/2021 Hours: Flt. 1116.3 Hobbs: 1444.5

Tail#: N322PB

Make: Cirrus

Model: SR22T

S/N: 0065

Removed left and right magnetos and shipped to Kelley Aero for 500 hour inspection. Reinstalled repaired magnetos and timed to engine. Left 10-500556101 S/N D10JA057. Right 10-500556-101 S/N D071A099.

2-11-2022 Flt. Hrs: 1122.6 Hobbs: 1452.0

Oil and filter change. Installed and safety wired AA48108. Serviced engine with 7 qts. Phillips 20W50 oil. Ground ran and leak checked.

Name: Cherie Stafford

Co: DC Aviation LLC

Cert: A&P 3947515

Sign: [Signature]