



Continental Motors, Inc.

1. Approving Civil Aviation Authority/Country FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			Form Tracking Number: GPFM 01-026	
4. Organization Great Planes Fuel Metering, Inc 740 South 142 nd East Ave Tulsa Oklahoma 74108 TULSA # 16GPR022B					5. In. Order/Contract/Invoice Number: 21-000	
6. Item	7. Description	8. Part Number	9. Quantity	10. Part Used in Aircraft	11. Status/Work: Overhauled	
1	Thr-body/fuel control asm	656785-4	1			
12. Remarks Repair Spec GPL1000 Rev 2 5/20/12						
13a. Certifies the items identified above were manufactured in conformity to <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12 the work described in Block 11 and described in Block 1, was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and that the items are approved for return to service		
13b. Authorized Signature:		13c. Approval Authorization No.:		14b. Authorized Signature: <i>David A Dewell</i>		14c. Approval Certificate No.: 16GPR022B
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): David A Dewell		14e. Date (dd/mm/yyyy): 28/Sep/2012
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine, propeller, or scale. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority defined in Block 1, the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						

FAA Form 8130-3 (02-14)

NSN 6052-00-017-9095

1. Aircraft Make CIRRUS		2. Aircraft Model SR22		3. Form Tracking Number H-Z101857		4. Work Order/Contract/Invoice Number 2014008		5. Status/Work N/A	
6. Part Number N17134		7. Description MERRY AL 3-26 POFIICE-D		8. Serial Number H-Z101857		9. Quantity 1		10. Part Used in Aircraft	
<p>RELEASE CERTIFICATE THIS RELEASE CERTIFICATE IS VALID FOR THE WORK DESCRIBED IN BLOCK 4 AND IS VALID FOR THE AIRCRAFT IDENTIFIED IN BLOCK 1. IT IS VALID FOR THE AIRCRAFT IDENTIFIED IN BLOCK 1 AND IS VALID FOR THE WORK DESCRIBED IN BLOCK 4. IT IS VALID FOR THE AIRCRAFT IDENTIFIED IN BLOCK 1 AND IS VALID FOR THE WORK DESCRIBED IN BLOCK 4.</p> <p>11. Date (dd/mm/yyyy): 19 Mar 2014</p> <p>12. Signature: <i>[Signature]</i></p> <p>13. Name (Typed or Printed): <i>[Name]</i></p>									

Continental Motors, Inc. Form No. 98344
Aircraft Engine Test Report

Aircraft Engine Test Report

This document verifies that the engine has completed all testing listed below in accordance with testing specifications as approved by the manufacturer.

Engine Model TSIO550
Engine Serial Number 1011225
Testing Company _____
Standard Acceptance Test: _____
Date of Completion 10/22/2014 Test Operator _____

Continental Motors, Inc.
Form No 98344

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. IF THE PRESSURE PICK UP POINT IS DIFFERENT IN THE AIRCRAFT SIGNIFICANT ADJUSTMENT MAY BE REQUIRED.

FACTORY SETTINGS:
RPM 2520 OIL TEMP 194 OIL PRESSURE 52.8
OIL PRESSURE PICK UP POINT: ENGINE INLET AT OIL COOLER

655910

ENGINE

ENGINE LOG BOOK



Publication ELB-01

NOV 20

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 1-888-826-5485 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

FAA PRODUCTION CERTIFICATE NO. 508

Printed: 10/27/2014

Test Date: 10/22/2014

This engine model TSI0550K1B, serial number 1011225 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

Thomas Howard

CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014)

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
 WELLS AIRCRAFT, INC. 800 AIRPORT ROAD MUNICIPAL AIRPORT HUTCHINSON, KS 67501-1953 CRS NT2R043L (620)663-1546 www.wellsac.com	Date: 1-13-2015 Work Order: 87967 N1713H S/N 22T-0944 Flight Time: 27.8 Hobbs Meter: 34.1 Total Time: 27.8	 ENGINE LOGBOOK Eng. SN: 1011225 	Performed a CMX 25hr inspection. Visually inspected engine. Drained engine oil but. Removed and inspected oil filter. no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of AeroShell W100. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of C.W. SA-12-03 N/A by Rev. B5 and CMI TSO-550 series Maintenance and Overhaul Manual M-18 (9-1-2014). Engine TSI0550K1B, S/N 1011225.		
I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was inspected/checked in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Particular details of inspection are on file at the Certified Repair Station CR5 N72943L.					
Authorized Signature: <i>Chad J. Kofin</i> Chad J. Kofin / CRS Release Authority					
 WELLS AIRCRAFT, INC. 800 AIRPORT ROAD MUNICIPAL AIRPORT HUTCHINSON, KS 67501-1953 CRS NT2R043L (620)663-1546 www.wellsac.com	Date: 4-2-2015 Work Order: 88015 N1713H S/N 22T-0944 Flight Time: 74.5 Hobbs Meter: 96.0 Total Time: 74.5	 ENGINE LOGBOOK Eng. SN: 1011225 	Performed a CMX 50hr inspection. Visually inspected engine, cleaned gascolator and pressure tested exhaust. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of AeroShell W100. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T AMM Rev B5 and CMI TSO-550 series Maintenance and Overhaul Manual M-18 (9-1-2014).		
I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was inspected/checked in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Particular details of inspection are on file at the Certified Repair Station CR5 N72943L.					
Authorized Signature: <i>Nathaniel Hershbeger</i> Nathaniel Hershbeger / CRS Release Authority					
 WELLS AIRCRAFT, INC. 800 AIRPORT ROAD MUNICIPAL AIRPORT HUTCHINSON, KS 67501-1953 CRS NT2R043L (620)663-1546 www.wellsac.com	Date: 06-25-2015 Work Order: 88071 N1713H S/N 22T-0944 Flight Time: 129.5 Hobbs Meter: 155.4 Total Time: 129.5	 ENGINE LOGBOOK Eng. SN: 1011225 	Performed a 50 Hour and 100 Hour CMX Inspection in reference with Cirrus Maintenance Manual 5-20 & TCM Manual M-18. Drained engine oil and collected sample for outside lab analysis. Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell 100. Set MF Pressure and sile mixture out of C.W. SA-12-03 N/A by S/N of Engine. Differential compressions were taken. 1374/80, 2372/80, 3375/80, 4176/80, 5174/80, 6175/80 M/O 46/80. Drained and cleaned gascolator fuel bowl. Post-run and leak check was satisfactory. All applicable ADs have been complied with at this time on TSI0-550-K1B, S/N 1011225.		
I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was inspected/checked in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Particular details of inspection are on file at the Certified Repair Station CR5 N72943L.					
Authorized Signature: <i>Chad J. Kofin</i> Chad J. Kofin / CRS Release Authority					

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

Carried forward

WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 8-18-2015
Work Order: 58090
N1713H S/N 22T-0944
Flight Time: 181.0
Hobbs Meter: 211.4
Total Time: 181.0

ENGINE LOGBOOK
Eng. SN 1011225

CIRRUS AIRCRAFT

Performed a CMX 50hr inspection. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of Aeroshell W100 - C/W CMI CS115-2 by replacement of the oil cooler cross fitting as required by this service document. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T ADM Rev. B5 and CMI TS10-550 series Maintenance and Overhaul Manual M-18 (9-1-2014)

I have reviewed the file on this aircraft and the accompanying 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/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *Chad J. Koehn*
National Membership: C-147 Release Authority

WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 10-20-2015
Work Order: 58142
N1713H S/N 22T-0944
Flight Time: 233.8
Hobbs Meter: 272.7
Total Time: 233.8

ENGINE LOGBOOK
Eng. SN 1011225

CIRRUS AIRCRAFT

Performed a CMX 200hr and 50hr inspection. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of Aeroshell W100. Cleaned and checked connectors on EOT #4. Increased to book values RPM from 2470 to 2500 on governor. Removed and replaced magneto gasket on LH magneto. Removed and replaced #2 cylinder pushrod tube base gaskets. CW SB2X-71-27R1. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T ADM Rev. B5 and CMI TS10-550 series Maintenance and Overhaul Manual M-18 (9-1-2014).

I have reviewed the file on this aircraft and the accompanying 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/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

SO#	15-21167	SILVERHAWK AVIATION INC.	DATE	December 16, 2015
REG.	N1713H	Lincoln Municipal Airport [LNK]	ETT	246.2
MAKE	Continental	MODEL TS10-550K1B SERIAL NO. 1011225	ETSOH	246.2

- Maintenance Record Engine**
- Complied with 50 hour/100hour/Annual Inspection reference the Cirrus Models SR22 and SR22T Airplane Maintenance Manual Chapters 05-20 and 05-30 Traditional Program. Compressions: #1-72/80, #2-70/80, #3-65/80, #4-70/80, #5-75/80, #6-65/80. Drained engine oil and removed oil filter P/N. CH48108-1; cut and inspected filter with no discrepancies noted. Installed new engine oil filter P/N. CH48108-1 and serviced engine with 8 quarts of Phillips X/C 20W50 oil. Performed engine ground run and leak check with no discrepancies noted.
 - Complied with TCM SID 97-3G dated October 21, 2015 reference the TCM TS10-550K Maintenance Manual; no discrepancies noted at this time. Next due 12 calendar months.
 - Took engine oil sample using Aviation Labs kit P/N. GA-001. I certify this aircraft (aircraft) (propeller) has been inspected in accordance with a 50HR/100HR/Annual inspection as per 14 CFR 91.409 (a)(1), and was determined to be in an airworthy condition.

Dated December 16, 2015 W/O 15-21167
Signed: *Chad J. Koehn* for
Silverhawk Aviation Inc. CRS # YQSR759U
Lincoln, NE 68524

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

WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 03-16-2016
Work Order: 58217
N1713H S/N 22T-0944
Flight Time: 299.7
Hobbs Meter: 356.6
Total Time: 299.7

ENGINE LOGBOOK
Eng. SN 1011225

CIRRUS AIRCRAFT

Performed a CMX 300 hr and 50 hr inspections. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of Aeroshell W100. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T ADM Rev. B6 and CMI TS10-550 series Maintenance and Overhaul Manual M-18 (7/2015 change 2).

I have reviewed the file on this aircraft and the accompanying 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/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

ENGINE MODEL: TS5050K
ENGINE SN: 1011225
REG. NO: N1713H
WORK ORDER: 17968-05-2016

CIRRUS
Cirrus Design Factory Service Center
Repair Station No. 17586001
4641 Airport Road
Duluth, MN 55811
Phone: 218-736-1248

DATE: 5/19/2016
AC: 250.219
ETT: 246.2
FLIGHT TIME: 351.8

- Engine Entries**
- Adjusted prop governor IAW CDC AMM 61-20
Ops check good
 - Adjusted MAP controller to within specs IAW CMI MM M-18. Ops check good
 - Adjusted idle mixture to within CMI specs IAW CMI M-18. Ops check good
 - Performed Cirrus Demo Care & Maintenance Program inspection in accordance with the 350 Hour Demo Care Inspection A448108-2. Performed particulate inspection on old filter and found no unusual contaminants. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft AIRM 12-10
 - Removed and replaced Starter Motor P/N 657596 with new. S/N on- 4C3-491541, S/N off- 4C3-361429. All work done IAW CMI MM M-18. Ops and leak checked good
 - Adjusted engine fuel flow to 38.0 GPH IAW CMI M-18.

I have reviewed the file on this aircraft and the accompanying 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 NT2R043L.

DATE: 5/19/2016
SIGNED: *Stephen Coy*
Stephen Coy
Certified Repair Station No. 17586001

Work Order: 17968-05-2016
Printed by EB3 (statocmedia.com)

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800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 07-12-2016
Work Order: 58291
N1713H S/N 22T-0944
Flight Time: 401.7
Hobbs Meter: 478.7
Total Time: 401.7

ENGINE LOGBOOK
Eng. SN 1011225

CIRRUS AIRCRAFT

Performed a CMX 50 hr. inspection. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7qts of Aeroshell W100. Adjusted AC belt so not to slip and within limits. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T ADM Rev. B6 and CMI TS10-550 series Maintenance and Overhaul Manual M-18 (7/2015, change 2).

I have reviewed the file on this aircraft and the accompanying 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/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

WJ 67C
1000
1980
1 808
3 007

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried forward				

ENGINE MODEL: **TRB-550-K(1)**
 ENG. S/N: **1011225**
 REG. NO.: **N7131H**
 WORK. ORDER: **200262**

Clear Star Aviation
 Repair Station No. SC590098
 4780 Frank Lake Dr.
 Abilene, TX 79601
 Phone: 817-267-0376

DATE: 9/23/2016
 AIC TSM 451.2
 ENG TT 451.2
 TACH 451.2

Engine Entries

Performed 100 HR CMX engine inspection. The oil and filter was changed and serviced with 7 quarts of AeroShell W100 a pint of CamGuard and a new AA48108-2 filter. An oil sample was collected for analysis by Blackstone Laboratories. The cylinder compression was checked with the following results: #1: 74/80, #2: 68/80, #3: 68/80, #4: 64/80, #5: 78/80, #6: 73/80 psi. Master orifice 42/80. Adjusted fuel flow to within limits. Replaced all rocker cover gaskets. Installed new spark plugs P/N UR9H832E. Replaced alternator #1 base gasket. Complied with SB2X-79-04 Improved Installation of Oil Pressure Sensor. Installed kit P/N 70551-001 without new oil pressure sensor P/N 12635-004. Installed new oil cooler P/N 654585 S/N 1159-13837-33

This aircraft/engine is determined to be in airworthy condition and is approved for return to service. Permanent details of repair are on file at this Certified Repair Station SC590098.

DATE: 9/23/2016 SIGNED: *[Signature]* Work Order: 200262
 Longer-Doug Certified Repair Station SC590098 Printed by Ellis 3 (datcomedia.com)



WELLS AIRCRAFT, INC.
 800 AIRPORT ROAD
 MUNICIPAL AIRPORT
 HUTCHINSON, KS 67501-1953
 CRS NT2R043L
 (620)663-1546
 www.wellsac.com

Date: 11-07-2016
 Work Order: S8332
 N1713H S/N 22T-0944
 Flight Time: 483.4
 Hobbs Meter: 586.3
 Total Time: 483.4



Performed a 100 Hour Inspection/Annual in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22/22T A.M.M. Rev. B6. Drained engine oil and collected sample for outside lab analysis (Metal Check). Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of Phillips 20W50 Type M. Performed differential compression check, results were as follows: #1 72/80, #2 66/80, #3 40/80 (before cyl. change); #4 70/80, #5 72/80, #6 70/80, M.O. 46/80. Replaced #3 cylinder with new P/N 658595A3, after post-run compression was 76/80, M.O. 46/80. Installed repaired left air filter housing. Repaired left induction hose with RTV as required. Adjusted fuel flow to within specifications as required.

-All applicable ADs have been complied with at this time.
 I certify that this Engine (TCM TS10-550-K(1) S/N 1011225) has been inspected in accordance with a 100 Hour 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 repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *[Signature]* REPRINTED 3/1/2017
 Chad J. Koehn / CRS Release Authority

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried forward				



WELLS AIRCRAFT, INC.
 800 AIRPORT ROAD
 MUNICIPAL AIRPORT
 HUTCHINSON, KS 67501-1953
 CRS NT2R043L
 (620)663-1546
 www.wellsac.com

Date: 03-26-2017
 Work Order: S8397
 N1713H S/N 22T-0944
 Flight Time: 538.1
 Hobbs Meter: 623.3
 Total Time: 538.1



Performed 50 + 500 hour CMX inspections in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22/22T A.M.M. Rev. B6. Drained engine oil and collected sample for outside lab analysis. Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell W100. Installed D16KA007 - both with new gaskets P/N 21-649954. Performed differential compression check with 7 quarts of AeroShell W100. Install follows: #1 56/80, #2 50/80, #3 76/80, #4 68/80, #5 54/80, #6 61/80, M.O. 47/80. Installed new left air filter housing, P/N 23367-002. Replaced left induction hose P/N 51288-001U 24 inches. Installed -2- induction air filters P/N 27166-001. Complied with 500 hour ALT #1 and ALT#2 brush inspections, replaced both, P/N ALE304595 #1 and #2 P/N 40278. Complied with SB16-B Exhaust inspection. Adjusted fuel flow and MP pressures to book numbers.

-All applicable ADs have been complied with at this time.
 -All Mandatory SB's have been complied with at this time.
 I certify that this Engine (TCM TS10-550-K(1) S/N 1011225) has been inspected in accordance with a 500 Hour 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 repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *[Signature]*
 Chad J. Koehn / CRS Release Authority



WELLS AIRCRAFT, INC.
 800 AIRPORT ROAD
 MUNICIPAL AIRPORT
 HUTCHINSON, KS 67501-1953
 CRS NT2R043L
 (620)663-1546
 www.wellsac.com

Date: 04-03-2017
 Work Order: S8422
 N1713H S/N 22T-0944
 Flight Time: 568.7
 Hobbs Meter: 668.4
 Total Time: 568.7



Performed 50 Hour CMX inspections in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22/22T A.M.M. Rev. B6. Drained engine oil and collected sample for outside lab analysis. Removed and inspected filter, no defects noted. Installed new oil filter P/N CH48108-1 and serviced engine with 7 quarts of AeroShell W100.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *[Signature]*
 Chad J. Koehn / CRS Release Authority



WELLS AIRCRAFT, INC.
 800 AIRPORT ROAD
 MUNICIPAL AIRPORT
 HUTCHINSON, KS 67501-1953
 CRS NT2R043L
 (620)663-1546
 www.wellsac.com

Date: 05-15-2017
 Work Order: S8443
 N1713H S/N 22T-0944
 Flight Time: 614.6
 Hobbs Meter: 722.5
 Total Time: 614.6



Performed a CMX 100 & 50 hr oil change inspections. Drained engine oil after pre-run & collected sample for outside lab analysis. AeroShell W100. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T AMM Rev. B6 and CMI TS10-550 series Maintenance and Overhaul Manual M-18 (7/2015, change 2).

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: *[Signature]*
 Chad J. Koehn / CRS Release Authority

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Car				

WELLS AIRCRAFT, INC.
800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
www.wellsac.com

Date: 06-26-2017
Work Order: 58478
N1713H S/N 22T-0944
Flight Time: 664.8
Hobbs Meter: 779.9
Total Time: 664.8

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed a CMCX 50 hr oil change inspection. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter PN CH48108-1 and serviced engine with 7qts of Aeroshell W100. Adjusted fuel flow and idle mixture setting as needed. Post-run and leak check of work performed was satisfactory at this time. All work performed with ref. to applicable sections of CDC SR22 / 22T AMM Rev. B6 and CMI TSO-550 series Maintenance and Overhaul Manual M-18 (7/2015 change 2).

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Car				

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Date: 08-28-2017
Work Order: 58514
N1713H S/N 22T-0944
Flight Time: 712.9
Hobbs Meter: 836.4
Total Time: 712.9

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed a CMCX 100hr and 200hr inspection. Drained engine oil after pre-run & collected sample for outside lab analysis. Removed and inspected oil filter, no discrepancies noted. Installed new oil filter PN CH48108-1 and serviced engine with 7qts of Aeroshell W100. Replaced manifold drain assembly with repaired looser unit PN 26939-004 (part will be replaced with new unit at next service). Replaced left airbox with repaired looser unit PN 26367-002 (part will be replaced with new unit at next service). Replaced induction air filters with (2) new PN 27166-001. Removed left magneto S/N D16GA236 and replaced with rebuilt magneto PN 10-50056-101, S/N D17AA078R, timed to engine data plate. All work performed with ref. to applicable sections of CDC SR22 / 22T AMM Rev. B6, PN 13773-001 and CMI TSO-550 series Maintenance and Overhaul Manual M-18, Change 2. Post-run and leak check of work performed was satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Car				

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Date: 11-22-2017
Work Order: 58547
N1713H S/N 22T-0944
Flight Time: 765.0
Hobbs Meter: 895.7
Total Time: 765.0

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed a **100 Hour Inspection/Annual** in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil and collected sample for outside lab analysis (Metal Check). Removed and inspected filter, no defects noted. Installed new oil filter PN CH48108-1 and serviced engine with 7 quarts of Phillips 20W50 Type M. Compressions low and two fails, #1 60/80, #2 56/80, #3 62/80 #4 60/80, #5 38/80, #6 40/80, M.O. 46/80. Removed 6 cylinders for overhaul at CMI, reinstalled per CMI M-18 Rev. Sept 2017, new compressions after install: #1 79/80, #2 77/80, #3 78/80 #4 76/80, #5 79/80, #6 78/80, M.O. 46/80. -All applicable ADs have been complied with at this time. I certify that this Engine (TCM TSO-550-K(1) S/N 1011225) has been inspected in accordance with a **100 Hour 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 repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried				

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Date: 01-02-2018
Work Order: 58673
N1713H S/N 22T-0944
Flight Time: 799.6
Hobbs Meter: 925.6
Total Time: 799.6

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter PN CH48108-1 and serviced engine with 7 quarts of Aeroshell W100. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried				

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Date: 01-17-2018
Work Order: 58681
N1713H S/N 22T-0944
Flight Time: 794.5
Hobbs Meter: 931.6
Total Time: 794.5

ENGINE LOGBOOK
Eng. S/N: 1011225

Removed and installed new oil quick drain valve PN AE99950G and new crush gasket PN M535769-11. Leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried				

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Date: 03-26-2018
Work Order: 58642
N1713H S/N 22T-0944
Flight Time: 833.9
Hobbs Meter: 977.5
Total Time: 833.9

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter PN AA48108-2 and serviced engine with 7 quarts of Aeroshell W100. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min
Carried				

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Date: 05-03-2018
Work Order: 58660
N1713H S/N 22T-0944
Flight Time: 867.5
Hobbs Meter: 1015.6
Total Time: 867.5

ENGINE LOGBOOK
Eng. S/N: 1011225

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter PN AA48108-2 and serviced engine with 7 quarts of Aeroshell W100. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Permanent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature: Chad J. Koehn
Chad J. Koehn / CRS Release Authority

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

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Date: **06-19-2018**
Work Order: **S8684**
N1713H S/N 227-0944
Flight Time: **899.9**
Hobbs Meter: **1052.9**
Total Time: **899.9**

ENGINE LOGBOOK
Eng. S/N 1011225

CIRRUS AIRCRAFT

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Aeroshell W100. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

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Date: **08-21-2018**
Work Order: **S8729**
N1713H S/N 227-0944
Flight Time: **947.8**
Hobbs Meter: **1108.1**
Total Time: **947.8**

ENGINE LOGBOOK
Eng. S/N 1011225

CIRRUS AIRCRAFT

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Aeroshell W100. Replaced starter with new unit P/N 658741 SN H-R 111309. Updated weight and balance in the POH. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

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Date: **09-29-2018**
Work Order: **S8756**
N1713H S/N 227-0944
Flight Time: **992.3**
Hobbs Meter: **1158.1**
Total Time: **992.3**

ENGINE LOGBOOK
Eng. S/N 1011225

CIRRUS AIRCRAFT

Performed oil and filter change with reference to Cirrus SR22/22T A.M.M. Rev. B7. Drained engine oil. Removed and inspected filter, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Aeroshell W80. Replaced oil cap gasket P/N 642892. Removed manifold pressures and found in line operations normal. Test run and leak check satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Chad J. Koehn*
Chad J. Koehn / CRS Release Authority

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Date: **03-13-2019**
Work Order: **S8854**
N1713H S/N 227-0944
Flight Time: **1074.5**
Hobbs Meter: **1255.4**
Total Time: **1074.5**

ENGINE LOGBOOK
Eng. S/N 1011225

CIRRUS AIRCRAFT

Performed a **50hr oil & filter change** with reference to the Cirrus SR22/22T AMM P/N 13773-001 Rev. B8, Sec. 12-10. Drained engine oil hot and collected sample for outside lab analysis (Metal Check). Removed and inspected filter, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Aeroshell 100W. Replaced forward, right engine baffle with new P/N 15487-008. Replaced TKS line bracket on aft, right engine baffle with new P/N 26429-001. All work was performed with reference to applicable sections of Cirrus SR22/22T AMM P/N 13773-001 Rev. B8 and was ground checked for operation, security and leakage, found satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Nathaniel Hershberger*
Nathaniel Hershberger / CRS Release Authority

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Date: **05-10-2019**
Work Order: **S8895**
N1713H S/N 227-0944
Flight Time: **1121.5**
Hobbs Meter: **1309.1**
TTE: **1121.5**

ENGINE LOG
Eng. S/N 1011225

CIRRUS AIRCRAFT

Drained engine oil hot and collected sample P/N GA001-SP for lab analysis. Removed oil filter and inspected the filter element, no discrepancies noted. Installed a new oil filter P/N AA48108-2 and serviced engine with 7qts of Aeroshell W100. Work was performed with ref. to CDC SR22/22T AMM P/N 13773-001 Rev. B8, Sec. 12-10. Operational and leak test of work performed was satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of the repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Nathaniel Hershberger*
Nathaniel Hershberger / CRS Release Authority

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Date: **05-10-2019**
Work Order: **S8895**
N1713H S/N 227-0944
Flight Time: **1121.5**
Hobbs Meter: **1309.1**
TTE: **1121.5**

ENGINE LOG
Eng. S/N 1011225

CIRRUS AIRCRAFT

Drained engine oil hot and collected sample P/N GA001-SP for lab analysis. Removed oil filter and inspected the filter element, no discrepancies noted. Installed a new oil filter P/N AA48108-2 and serviced engine with 7qts of Aeroshell W100. Work was performed with ref. to CDC SR22/22T AMM P/N 13773-001 Rev. B8, Sec. 12-10. Operational and leak test of work performed was satisfactory at this time.

I have reviewed the file on this aircraft and the accompanying 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. Particular details of the repair/inspection are on file at this Certified Repair Station CRS N72R043L.

Authorized Signature: *Nathaniel Hershberger*
Nathaniel Hershberger / CRS Release Authority

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

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

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Date: **03-13-2019**
Work Order: **S8854**
N1713H S/N 227-0944
Flight Time: **1074.5**
Hobbs Meter: **1255.4**
Total Time: **1074.5**

ENGINE LOGBOOK
Eng. S/N 1011225

CIRRUS AIRCRAFT

Performed a **100 Hour Inspection/Annual** in accordance with FAR 91.409 and the requirements outlined in FAR 43 App. D, with reference to Cirrus SR22/22T A.M.M. Rev. B8. Drained engine oil and collected sample for outside lab analysis (Metal Check). Removed and inspected filter, no defects noted. Installed new oil filter P/N AA48108-2 and serviced engine with 7 quarts of Aeroshell W80. Compressor #1 (K590) #2 (K790) #3 (K190) #4 (K90) #5 (K90) #6 (K90) #7 (K90) #8 (K90) replaced with new parts of Aeroshell (12) (URB12). Replaced A.T. #1 that was leaking oil with new P/N 65842, #2, #3, #4, #5, #6, #7, #8, #9, #10, #11, #12, #13, #14, #15, #16, #17, #18, #19, #20, #21, #22, #23, #24, #25, #26, #27, #28, #29, #30, #31, #32, #33, #34, #35, #36, #37, #38, #39, #40, #41, #42, #43, #44, #45, #46, #47, #48, #49, #50, #51, #52, #53, #54, #55, #56, #57, #58, #59, #60, #61, #62, #63, #64, #65, #66, #67, #68, #69, #70, #71, #72, #73, #74, #75, #76, #77, #78, #79, #80, #81, #82, #83, #84, #85, #86, #87, #88, #89, #90, #91, #92, #93, #94, #95, #96, #97, #98, #99, #100, #101, #102, #103, #104, #105, #106, #107, #108, #109, #110, #111, #112, #113, #114, #115, #116, #117, #118, #119, #120, #121, #122, #123, #124, #125, #126, #127, #128, #129, #130, #131, #132, #133, #134, #135, #136, #137, #138, #139, #140, #141, #142, #143, #144, #145, #146, #147, #148, #149, #150, #151, #152, #153, #154, #155, #156, #157, #158, #159, #160, #161, #162, #163, #164, #165, #166, #167, #168, #169, #170, #171, #172, #173, #174, #175, #176, #177, #178, #179, #180, #181, #182, #183, #184, #185, #186, #187, #188, #189, #190, #191, #192, #193, #194, #195, #196, #197, #198, #199, #200, #201, #202, #203, #204, #205, #206, #207, #208, #209, #210, #211, #212, #213, #214, #215, #216, #217, #218, #219, #220, #221, #222, #223, #224, #225, #226, #227, #228, #229, #230, #231, #232, #233, #234, #235, #236, #237, #238, #239, #240, #241, #242, #243, #244, #245, #246, #247, #248, #249, #250, #251, #252, #253, #254, #255, #256, #257, #258, #259, #260, #261, #262, #263, #264, #265, #266, #267, #268, #269, #270, #271, #272, #273, #274, #275, #276, #277, #278, #279, #280, #281, #282, #283, #284, #285, #286, #287, #288, #289, #290, #291, #292, #293, #294, #295, #296, #297, #298, #299, #300, #301, #302, #303, #304, #305, #306, #307, #308, #309, #310, #311, #312, #313, #314, #315, #316, #317, #318, #319, #320, #321, #322, #323, #324, #325, #326, #327, #328, #329, #330, #331, #332, #333, #334, #335, #336, #337, #338, #339, #340, #341, #342, #343, #344, #345, #346, #347, #348, #349, #350, #351, #352, #353, #354, #355, #356, #357, #358, #359, #360, #361, #362, #363, #364, #365, #366, #367, #368, #369, #370, #371, #372, #373, #374, #375, #376, #377, #378, #379, #380, #381, #382, #383, #384, #385, #386, #387, #388, #389, #390, #391, #392, #393, #394, #395, #396, #397, #398, #399, #400, #401, #402, #403, #404, #405, #406, #407, #408, #409, #410, #411, #412, #413, #414, #415, #416, #417, #418, #419, #420, #421, #422, #423, #424, #425, #426, #427, #428, #429, #430, #431, #432, #433, #434, #435, #436, #437, #438, #439, #440, #441, #442, #443, #444, #445, #446, #447, #448, #449, #450, #451, #452, #453, #454, #455, #456, #457, #458, #459, #460, #461, #462, #463, #464, #465, #466, #467, #468, #469, #470, #471, #472, #473, #474, #475, #476, #477, #478, #479, #480, #481, #482, #483, #484, #485, #486, #487, #488, #489, #490, #491, #492, #493, #494, #495, #496, #497, #498, #499, #500, #501, #502, #503, #504, #505, #506, #507, 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ENGINE MODEL:
TS1000K
ENGINE S/N: 1011225
REG. NO: N1713H
WORK ORDER:
6370-02-2022

Classic Aviation, Inc.
501 W 15th St
Pella, IA 50219
Phone: 541-628-8383

DATE: 10/22/2021
AC TSN: 1512 B
ENG TT: 1512 B
HOBBS: 1512 B

Engine Entries

(1) Changed oil and filter with new CH48108-1 filter and 7 qts Phillips XIC 20W50. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time. (4) Removed and replaced P/N 5820 C8 Drain Valve.

Carried forward

DATE: 10/22/2021

SIGNED: *Nate Potts*

Work Order: 6185-10-2021

Kurtz Day, A&P #113272

Printed by EBis 3 (datamedia.com)

ENGINE MODEL:
TS1000K
ENGINE S/N: 1011225
REG. NO: N1713H
WORK ORDER:
6322-11-2021

Classic Aviation, Inc.
501 W 15th St
Pella, IA 50219
Phone: 541-628-8383

DATE: 11/02/2021
AC TSN: 1538 B
ENG TT: 1538 B
HOBBS: 1538 B

Engine Entries

(1) Installed New Right Magneto Capacitor P/N 10-400615 Reinstalled bottom Spark Plugs with New Gaskets P/N M-674. Performed operational check, no issues found at this time.

DATE: 11/02/2021

SIGNED: *Nate Potts*

Work Order: 6222-11-2021

Kurtz Day, A&P #113272

Printed by EBis 3 (datamedia.com)

11-22-21 Tach 1539.4 remove clean gap + rest spark plug
scandall and rest wingful bolts AP 71642

12/9/21 Tach 1544.7 Changed oil + filter w/ new
CH48108-2 + 7 qts ~~Phillips~~
Phillips x/c 20W50. Cut filter
w/ contaminants. No leaks
engine running.

JD Dinking PP# 3417504

12/16/21 Tach 1545.3 remove RH 32M and replaced with
URH8325 bearing plys this aircraft
is approved for return to service
John Dinking A&P 714912

ENGINE MODEL:
TS1000K
ENGINE S/N: 1011225
REG. NO: N1713H
WORK ORDER:
6370-02-2022

Classic Aviation, Inc.
501 W 15th St
Pella, IA 50219
Phone: 541-628-8383

DATE: 3/15/2022
AC TSN: 1574 B
ENG TT: 1574 B
HOBBS: 1574 B

Engine Entries

(2) Annual Inspection. Compression check #1 43/80, #2 72/80, #3 73/80, #4 62/80, #5 45/80, #6 71/80, master office 42/80. Inspected intake and exhaust systems. Cleaned all fuel injectors and reinstalled with new M-674 gaskets. Cleaned, gapped and rotated spark plugs and reinstalled with new M-674 gaskets. Adjusted fuel injection system in accordance with Continental TS100550K Maintenance and Overhaul Manual M-18 Chapter 6, Cirrus SR22T Maintenance Manual and Continental Standard Practice Maintenance Manual Chapter 6. Checked all applicable AD's and updated list in aircraft records. (3) Changed oil and filter with new AA48108-2 filter and 7 qts Phillips XIC 20W50 oil. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time. (5) Timed right magneto to 24 degrees before top dead center removed left magneto and turned magneto drive gear one tooth and installed new magneto gasket P/N 649954 and timed left magneto to 24 degrees before top dead center.

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

DATE: 3/15/2022

SIGNED: *Eric Potts*

Work Order: 6370-02-2022

Shane Wade Voort, IA 3362485

Printed by EBis 3 (datamedia.com)

Date

ENGINE MODEL:
TS1000K
ENGINE S/N: 1011225
REG. NO: N1713H
WORK ORDER:
6185-10-2021

Classic Aviation, Inc.
501 W 15th St
Pella, IA 50219
Phone: 541-628-8383

DATE: 3/16/2022
AC TSN: 1574 B
ENG TT: 1574 B
HOBBS: 1574 B

Engine Entries

(1) Removed ignition harness P/N 15-421674-01 and installed new ignition harness P/N 15-421674-01 542-8228. Performed operational check, no discrepancies noted at this time.

Carried forward

DATE: 3/16/2022

SIGNED: *Nate Potts*

Work Order: 5408-03-2022

ENGINE MODEL:
TS1000K
ENGINE S/N: 1011225
REG. NO: N1713H
WORK ORDER:
6065-10-2022

Classic Aviation, Inc.
501 W 15th St
Pella, IA 50219
Phone: 541-628-8383

DATE: 10/10/2022
AC TSN: 1538 B
ENG TT: 1538 B
HOBBS: 1538 B

Engine Entries

(1) Changed oil and filter with new AA48108-2 filter and 7 qts Phillips XIC 20W50. Took oil sample. Cut open old filter to check for contaminants, none found. Ran engine to check for leaks, no leaks noted at this time.

DATE: 10/10/2022

SIGNED: *Nate Potts*

Work Order: 1065-10-2022

Quality Aviation, Inc.
3401 W. Trout Hwy #1
Fairbank, SD 57021
1-866-955-1777

N1713H Engine Log book entry. Continental Motors TS10-550-K. S/N 1011225
Date: 04/26/2023 Hobbs: 1976.1 Engine TT: 1685.3 Flight Hours: 1685.3
Complied with an Annual inspection in accordance with 14 CFR 43, Appendix D using the Cirrus Design SR22T service manual as a guide.

- Compression check #1 43/80 #2 66/80 #3 68/80 #4 43/80 #5 50/80 #6 68/80. MO is 43.
 - The engine oil was drained, the filter was cut open and inspected for contamination and was found to be satisfactory. A Champion CH48108-1 oil filter was installed and the engine was serviced with 8 qts of Phillips 20W50 XIC. A ground run functional and leak check was found to be satisfactory.
 - The throttle body/fuel control assembly was removed and replaced with a Overhauled assembly from Great Planes. Fuel Metering, Inc. (CRS# 1GPR022B) P/N 656785-4 S/N A13FA161. Reference their W/O 21-526 and FAA 8130-3 for overhaul details. The engine was ground functional checked, adjustments made and found to be satisfactory.
 - The rubber manifold pressure reference lines (rubber line replaced using existing end fittings.) from the intake manifold to the fuel pump were replaced with new.
 - Replaced the left tail pipe exhaust assembly, P/N 657636 with new, the tail pipe was installed with a new waste gate gasket P/N 652456.
 - Adjusted mag timing to 24 deg.
 - Complied with Continental Motors service bulletin SID97-3G (effective 10/21/2015) fuel system functional test and inspection. The fuel pressure checked per Continental Motors Standard Practice Maintenance manual Table 6-4. The low and high un-metered, and the metered fuel pressure were adjusted to spec. The idle mixture was adjusted to achieve a idle cut off RPM rise of 25-50 rps.
- I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 3496061

Gerald L. Serres

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

N1713H		ENGINE LOG BOOK ENTRY				7/13/2023
Cirrus	SR22T	S/N 0944	Flight 1727.3	Hobbs 2028.1		
Continental	T10550K(1)	S/N 1011225	Flight 1727.3	Hobbs 2028.1		
Hartzell	PHC-13Y1F-1N	S/N N101088	Flight 1727.3	Hobbs 2028.1		

Removed cowl. Removed, cleaned and reinstalled upper deck rails and fuel nozzles. Replaced upper deck hoses P/N AR2035-101. Adjusted idle mixture 1/4 turn in. Adjusted engine driven fuel pump aneroid out 1/4 turn. Adjusted oil pressure up 3 turns. Replaced both magnetos - left P/N 10-500556-101 S/N D201A420 500 hour inspected by Horizon Aircraft Engine Services under W/O 35124 and right P/N 10-500556-101 S/N D201A230 500 hour inspected by Horizon Aircraft Engine Services under W/O 35125. Timed to 24° BTDC. Ground run and leak check found satisfactory. Replaced cowl. (Refer to Job #1713H1 for details.)

THIS AIRCRAFT ENGINE/PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.
 JIM BARKER A&P/IA 2755069
 Cell (715) 491-1303
 Email jim@aviationvibes.com
 AVIATION RESOURCES, LLC
 Hangar (715) 822-5787
 www.aviationvibes.com

N1713H		ENGINE LOG BOOK ENTRY				7/21/2023
Cirrus	SR22T	S/N 0944	Flight 1727.9	Hobbs 2029.3		
Continental	T10550K(1)	S/N 1011225	Flight 1727.9	Hobbs 2029.3		
Hartzell	PHC-13Y1F-1N	S/N N101088	Flight 1727.9	Hobbs 2029.3		

Removed cowl. Replaced #6 EGT probe P/N 24585-001. Reamed and honed #3 cylinder exhaust valve guide. Replaced left exhaust manifold P/Ns 657650, 657652, 658681, 657648, 657630 repaired by Aerospace Welding Minneapolis under W/Os 207710, 207704, 207707, 207709, 207711. Replaced left turbo charger P/N 646677 S/N H-QDL00067 overhauled by Main Turbo Systems under W/O 63349. Replaced right turbo charger P/N 646677 S/N H-PELD00345 overhauled by Main Turbo Systems under W/O 61910. Replaced wastegate P/N 646317-1 S/N H-SDN00108 cleaned and tested by Main Turbo Systems under W/O 65036. Ground run and leak check found satisfactory. Replaced cowl. (Refer to Job #1713H1 for details.)

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N1713H		ENGINE LOG BOOK ENTRY				7/24/2023
Cirrus	SR22T	S/N 0944	Flight 1728.8	Hobbs 2031.3		
Continental	T10550K(1)	S/N 1011225	Flight 1728.8	Hobbs 2031.3		
Hartzell	PHC-13Y1F-1N	S/N N101088	Flight 1728.8	Hobbs 2031.3		

Removed cowl. Replaced #1, #2, #4 EGT probes P/N 24585. Replaced #1 TIT probe P/N 29211-001. Replaced #1 fuel injector nozzle size "G" with size "E". Adjusted oil pressure down 1/2 turn. Replaced manifold pressure sensor P/N 12635-003. Ground run and leak check found satisfactory. Replaced cowl. (Refer to Job #1713H1 for details.)

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N1713H		ENGINE LOG BOOK ENTRY				8/8/2023
Cirrus	SR22T	S/N 0944	Flight 1730.9	Hobbs 2033.9		
Continental	T10550K(1)	S/N 1011225	Flight 1730.9	Hobbs 2033.9		
Hartzell	PHC-13Y1F-1N	S/N N101088	Flight 1730.9	Hobbs 2033.9		

Removed cowl. Turned propeller governor shaft CW 1/8 turn. Adjusted magneto-to-engine timing from Left @ 0.9° advanced and from Right @ 1.4° advanced to both @ 24° BTDC. Reamed out #1, #4, #5, #6 exhaust valve guides. Removed #2 cylinder P/N 658578E S/N AC141805/5 and installed replacement P/N 655932R COMPLETE(1) S/N AC166C719 repaired by Horizon Aircraft Engine Services under W/O 35478. Drained oil; took oil sample to Blackstone for analysis. Removed and cleaned magnetic drain plug, found normal debris. Oil filter inspected; normal contamination noted. Installed new Tempest oil filter P/N AA48109 and serviced with 8 quarts of Phillips 20W50 Type M oil. Slotted right front baffling. Ground run and leak check completed satisfactory. Replaced cowl. (Refer to Job #1713H1 for details.)

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N1713H		ENGINE LOG BOOK ENTRY				8/9/2023
Cirrus	SR22T	S/N 0944	Flight 1731.2	Hobbs 2034.9		
Continental	T10550K(1)	S/N 1011225	Flight 1731.2	Hobbs 2034.9		
Hartzell	PHC-13Y1F-1N	S/N N101088	Flight 1731.2	Hobbs 2034.9		

Removed cowl. Replaced #1 fuel injector nozzle size "E" with size "L". Adjusted idle mixture. Replaced #1 and #6 Tani heater elements P/N TTP2771-115/50. Ground run and leak check completed satisfactory. Replaced cowl. (Refer to Job #1713H1 for details.)

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Great Planes Aviation - 7300 Brataas Drive SW - Rochester, MN 55902 - 507-218-4700
 CONT MOTOR, TS10-550-K, S/N: 1011225

Engine - page 1 of 1
 May 22, 2024
 1. Complied with annual inspection in accordance with 14 CFR 43, Appendix D using Cirrus and TCM maintenance manuals as a guide.
 2. Compression check #1 30/80 #2 73/80 #3 63/80 #4 60/80 #5 38/80 #6 63/80 MO 43.
 3. Oil was drained, filter removed and cut open to inspect for contamination, filter found satisfactory. M mineral oil. Run and leak check performed good. Installed (1 Each) P/N Phillips 20W50 Type M - Phillips Mineral Oil.
 4. AD's checked through this date.
 5. Removed #1 and #5 cylinders due to low compression. Sent to Horizon Aircraft engine Services for overhaul. Reference their WO 38221 for details. Reinstalled cylinders in accordance with TCM MM.
 6. Replaced the brush pack in the #1 alternator with new. Run up and operational check performed good. Installed (1 Each) P/N ALE-3045BSS - Alternator brush kit.
 7. Adjusted the timing of the right magneto in accordance with TCM MM.
 8. Replaced the air filters with new. Next due 05/22/2024 Installed (2 Each) P/N 27166-001 - Air Filter.
 I certify that this engine has been inspected in accordance with an annual inspection and was determined to be airworthy. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Great Planes Aviation under work order: GA1903.
 Ryan Fay A&P/IA 3494602

