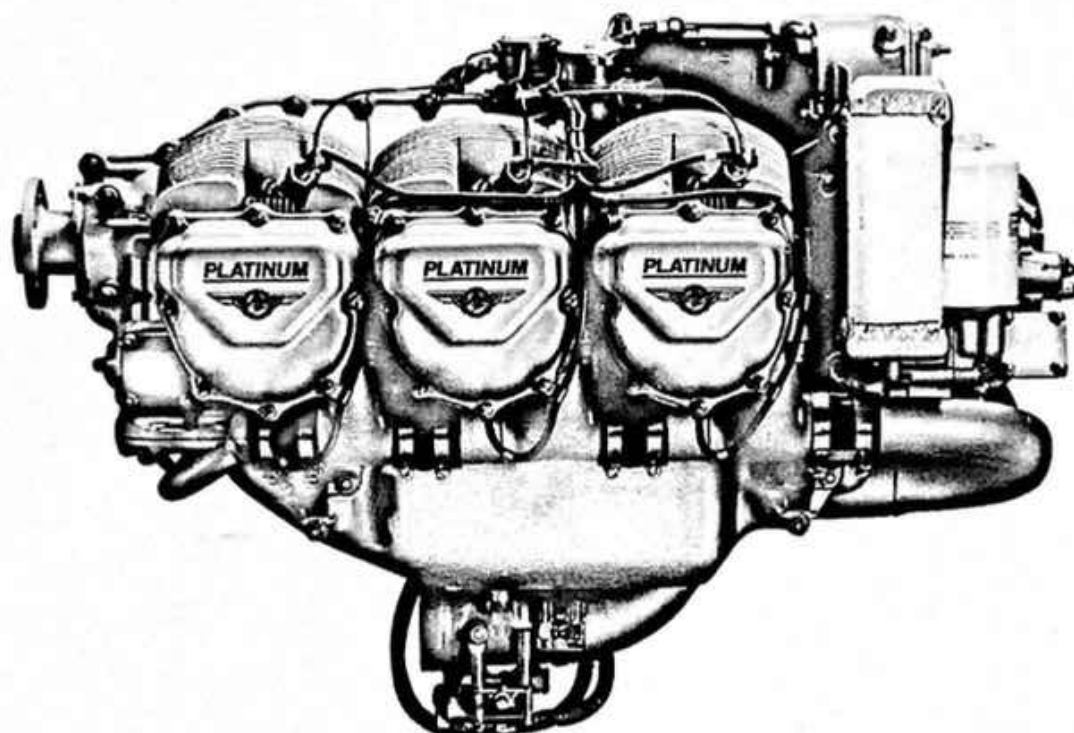


N522SR

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Platinum engine **Teledyne Continental Motors, Inc.** was
manufactured on _____ A Teledyne Technologies Company
in accordance with approved design data and the applicable requirements of
Part 21 of the Federal Aviation Regulations. The approved design data for
this engine model **I0550N46**, Serial No. **689544** was manufactured on **04/18/2007**
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.



TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY

PRODUCTION CERTIFICATE NO. 505

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					

TDL AERO ENTERPRISES

44 MACREADY DRIVE, MERCED CA 95340
MERCED MUNICIPAL AIRPORT
(209) 722-7700 FAX (209) 722-3402

N 522SR

TACH 200.6

DATE 10/23/07

IN ACCORDANCE WITH A 200 HOUR DEMO CARE SERVICE. PERFORMED AN ENGINE OPERATIONAL INSPECTION IN ACCORDANCE WITH TCM MAINTENANCE MANUAL, SECTION 5-3, DRAINED OIL, AOA SAMPLE TAKEN, REPLACED OIL FILTER. INSPECTED OIL FILTER FOR METAL CONTAMINATES, SERVICED WITH AEROSHELL OIL. SPARK PLUG CABLE LEADS INSPECTED FOR CORROSION AND DEPOSITS. INSPECTED AIR INTAKE DUCTS FOR WEAR, GASCOLATER FUEL FILTER AND BOWL DRAINED AND CLEANED, BREATHING TUBES INSPECTED, EXHAUST SYSTEM INSPECTED FOR CRACKS, DENTS AND CONDITION, CHECKED ALTERNATE AIR DOOR. SPARK PLUGS INSPECTED, CLEANED, GAPPED AND ROTATE IN ACCORDANCE WITH TCM MAINTENANCE MANUAL, SECTION 12. INDUCTION AIR FILTER CLEANED, PERFORMED FUEL INJECTION SYSTEM CHECK IAW, TCM-SID 97-3.

CIRRUS

Chris W. Page
AP3177058

MAKE Cirrus
MODEL SR22 G3
S/N 2475
REG NO 522SR
WORK ORDER
10288-11-2007



Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone 218-788-3101

DATE 12/3/2007
A/C TSN 250.6
HOBBS 250.6

Airframe Entries

(18) Installed SB 2X-34-24 IAW SB instructions dated 23 Oct 07. Functional check satisfactory. (19) Removed Garmin 430's P/N 12718-051, S/N 97138777, position 1 and S/N 97139579, in position 2. Installed Garmin 430's P/N 12718-071 S/N 23481717, in position 1 and S/N 23401860 in position 2. Performed set up IAW CDC AMM 34-50 and SB 2X-34-24 instructions dated 23 OCT 07. Both Com #1 and #2 functional checks satisfactory. (20) Removed PFD P/N 15222-007 S/N 20094107 and installed PFD p/n 15222-008, s/n 20043197 IAW SR22 AMM 31-60 and SB2X-34-24 service bulletin instructions. Pitot/Static leak checked satisfactory. (22) Replaced induction air filter PN 33-2022 IAW CDC AMM CH 5-20 and standard maintenance practices. (23) Installed new R/H slave wastegate P/N 477555-0000 IAW ETI MM Instructions. (26) Installed LH exhaust heat shields IAW ETI MM instructions. (27) Replaced rivet IAW CDC AMM CH20-70 and standard maintenance practices. (28) Installed Strobe power supply P/N 14286-002 IAW CDC MM 33-40-02. Functional check satisfactory. (29) Installed both Mig lower attach bracket clamps IAW CDC AMM 32-10. (30) Removed and replaced MILG tires P/N 14075-006 and Tubes P/N 14076-002. Cleaned inspected and repacked all wheel bearings IAW AMM 32-41 and standard maintenance practices. (31) Removed and replaced R/H and L/H brake linings, PN 066-06200 and brake lining shims P/N 068-01100 IAW CDC SR22 AMM Chapter 32-42. (32) Replaced LH and RH brake caliper O-ring P/N 101-34500 IAW CDC AMM 32-42. Functional check satisfactory. (33) 12-10 Changed engine oil and filter p/n 50857-001, serviced engine with 8 quarts of Aeroshell 15W50 engine oil. Performed particulate inspection on old filter, no discrepancies noted. Retained oil sample to be sent out for analysis. Performed operational and leak checks with satisfactory results. All work was accomplished IAW CDC AMM 12-10. (40) Painted and replaced left aileron gap seal with new P/N (14390-002) IAW CDC AMM 51-20, 20-30 and 57-50.

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: 12/3/2007

SIGNED:

Jessie Thompson
Certified Repair Station No. YD5R855Y

Work Order: 10288-11-2007

Printed by EBis 3 (datcomedia.com)

12-10-07	Hobbs	257.1			Completed 250 hr Demo Insp. IAW Cirrus Demo program. Leak and op's checked OK. Returned to Service. Kevin J. Huber AIP 2656863
	TACH	248.9			
1/7/08	Hobbs	304.9			Completed 300 hr CDC Demo CARE Insp. IAW CDC Demo CARE PROGRAM. PAPERWORK, LEAK AND OP'S CHECKS GOOD. Kevin J. Huber AIP 2656709
	TACH	299.0			

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 F

EPPS
Aviation

Aircraft Reg: 522SR
Manufacturer: TCM
Model: IO-550-N
Serial Number: 689544
Hour Meter: 389.8

3/6/2008
Work Package: P970
TSMOH:
Tach Time
Eng. TT:

RAN ENGINE, DRAINED OIL, INSPECTED FILTER. FILTER APPEARED NORMAL, INSTALLED NEW CH48108-1 FILTER AND SAFETIED, SERVICED WITH 8 QUARTS AS 15W50. RAN ENGINE, OPERATIONAL AND LEAK CHECK SATISFACTORY.

The aircraft, airframe, engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under work package no. p970

Signed Stuart D. Smith STUART D. SMITH
for: Epps Air Service, Inc., FAA Repair Station ESMR688D, 1 Aviation Way, Atlanta, GA 30341

Pg. 1 of 1

ENGINE MODEL IO-550N
ENGINE S/N 689544
REG NO 522SR
WORK ORDER:
10936-03-2008



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3101

DATE 3/24/2008
A/C TSN 4015
ENG TT 4015
HOBBS 4015

Engine Entries

(11) FLT Time 401.8 Changed engine oil and filter, Champion CH48108-1 (CDC P/N 50857-001) Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, none noted. Performed operational and leak check's. Op's and leak check's good. All work was accomplished 1 A.W. Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 3/24/2008

SIGNED:

Curt Krack
Certified Repair Station No. YD5R855Y

Work Order: 10936-03-2008

Printed by EBis 3 (datcomedia.com)

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

ENGINE MODEL 10-550N
ENGINE S/N 689544
REG NO 522SR
WORK ORDER
11000-03-2008

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3101

DATE: 4/5/2008
A/C TSN 401 5
ENG TT 401 5
HOBBS 401 5

Engine Entries

(5) Performed engine 100HR inspection IAW cirrus mm chapter 5-20 and 5-30. (8) Researched ADs through bi-weekly issue 2008-07, all ADs are in compliance at this time. (11) Drained engine oil and took oil sample, removed oil filter and performed particulate inspection, no discrepancies noted, installed new oil filter P/N CH48108-1 and serviced engine with 8QTS of Aeroshell 15W-50 oil. Leak and operational check good, work performed IAW cirrus mm chapter 12-10. (12) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 70/80, #2 70/80, #3 59/80, #4 71/80, #5 69/80, #6 73/80, master orifice reading of 45, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3. (13) Removed, cleaned, inspected, gapped, tested, rotated, and reinstalled spark plugs IAW T.C.M. MM section 12. (14) Performed magneto to engine timing inspection, no discrepancies noted on inspection, work performed IAW T.C.M. MM section 12. (15) Removed and replaced induction air filter with new, P/N 33-2022 IAW TATI Installation Manual and CDC AMM chapter 71-60. (16) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 5. (33) Replaced R/H cylinder fuel drain line tube P/N 13913-002. Done IAW CDC AMM 71-70 and standard maintenance practices. (34) Replaced LH waste gate, upper (PN ETI-G2-600-103-2) and lower (PN ETI-G2-600-103-1) support brackets and bolt IAW TATI Installation Manual. (36) Replaced LH aft cylinder baffle spring IAW AMM 71-00. (37) Replaced LH turbo charger, (PN 466304-3, S/N KKL00129) IAW ETI Installation Manual Instructions. Performed Engine Function Check. (48) Safed RH turbo support bracket bolts at oil pan IAW Standard Maintenance Practices. (49) Tightened oil pressure line to waste gate and fitting IAW standard maintenance practices. (58) Performed scheduled maintenance checks on Turbo system IAW Tornado Alley Inc. Report 215-10. (66) I certify that this engine has been inspected in accordance with a 100 HR / Annual inspection at a hobbs time of 403.7 hobbs and fit meter @ 398.0 hrs and was determined to be in airworthy condition.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 4/5/2008

SIGNED:

Joseph Sullivan
Certified Repair Station No. YD5R855Y

Work Order: 11000-03-2008

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1 of 1

ENGINE MODEL 10550 N
ENGINE S/N 689544
REG NO N522SR
WORK ORDER
27507-05-2008



Commander Aero, Inc.

Repair Station No. GA5R-876M
10570 Springboro Pike
Miamisburg, Ohio 45342 USA
Phone: 888-881-5580

DATE: 5/15/2008
A/C TSN 443
ENG TT 443
HOBBS 443

Engine Entries

(2) Complied with Cirrus In-Service 50 hour inspection. Changed oil and filter. Serviced with 8 qts Aeroshell 15W50.... (5) Washed down engine and ran for leak check.

Maintenance Release

The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 27507-05-2008, Dated 5/20/2008.

DATE: 5/15/2008

SIGNED:

Kromer, Gary
Certified Repair Station No. GA5R-876M

Work Order: 27507-05-2008

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL 10550 N
ENGINE S/N 689544
REG NO N522SR
WORK ORDER
27645-08-2008



Commander Aero, Inc.

Repair Station No. GA5R-876M
10570 Springboro Pike
Miamisburg, Ohio 45342 USA
Phone: 888-881-5580

DATE: 9/12/2008
A/C TSN 491 7
ENG TT 491 7
HOBBS 491 7

Engine Entries

(2) Complied with 50 Hr / 100 Hr Cirrus New Engine Inspection Program. Changed oil and filter. Serviced with 8 Qts Aeroshell 15W50.... (5) Removed both left and right mags for 500 hr check. Reinstalled left and right mags after 500 hr insp in original position.... (7) Cleaned and serviced K&N air filter per Tornado Alley Report 215-10 page 12.... (9) Took Oil Sample.... (19) Checked Compression - 1) 64/80; 2) 50/80; 3) 54/80; 4) 56/80; 5) 60/80; 6) 64/80. Mater Orifice Reading - 44/80... (22) Washed down engine and ran for leak check.

I certify that this engine was inspected in accordance with a 100 hour inspection and found to be airworthy. The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 27645-08-2008, Dated 9/12/2008.

DATE: 9/12/2008

SIGNED:

Kromer, Gary
Certified Repair Station No. GA5R-876M

Work Order: 27645-08-2008

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[illegible]

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 →					



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# IKBRO28F

Date: 01/08/2010 Work Order#: AM03844 NH: 522SR

Aircraft Make/Model: Cirrus/SR22 Serial#: 2475

Engine Make/Model: Continental/IO550N46 Serial#: 689544

Flight Meter: 672.2 Engine TT: 672.2

Engine Log:

1. Replaced starter adapter assembly with new unit part# 642083-1A2, serial# N/A. New unit obtained from TCM and FAA form 8130 is on file at this repair station.
2. Replaced starter motor with new unit part# 657596, serial# 4C3-370927. New unit obtained from TCM and FAA form 8130 is on file at this repair station.
3. Ground run for operational and leak check was satisfactory.

"Maintenance Release"

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

END

Signature:  for CRS# IKBRO28F

STB SKYTECH

JETSELECT
AVIATION

Jet Select LLC
4130 E 5th Avenue
Columbus, OH 43219

N522SR Cirrus SR-22 S/N 2475 Hobbs: 679.3

The Following Maintenance Was Performed:

Drained Engine Oil And Removed Oil Filter And Installed New CH48108-1 Filter. Inspected Oil Filter For Containments, No Discrepancies Noted. Serviced Engine With 8qts Phillips 20w-50 Oil. Performed Ground Engine Run and Leak Check.


David Fragale

AP 2804359 12/22/2009

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					

JETSELECT
AVIATION

Jet Select LLC
4130 E 5th Avenue
Columbus, OH 43219

N522SR Cirrus SR-22 S/N 2475 Hobbs: 702.6

The Following Maintenance Was Performed:

Drained Engine Oil And Removed Oil Filter And Installed New CH48108-1 Filter. Inspected Oil Filter For Containments, No Discrepancies Noted. Serviced Engine With 8qts Phillips 20w-50 Oil. Performed Ground Engine Run and Leak Check.

[Signature]
David Fragale

AP 2804359 3/15/2010



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# 1KBRO28F

Date: 4/09/2010 Work Order#: AM03966 NR: N522SR
A/cft Make/Model: Cirrus SR 22 Serial#: 2475
Eng Make/Model: Cont. IO-550-N Serial#: 689544
Hour Meter: 730.4 Engine TT: 730.4

Engine Log

1. Complied with 100hr inspection I.A.W. Cirrus SR22 inspection guide. Serviced with 8qts. Aeroshell 15W50 oil. Function and leak checked normal.

2. Cleaned fuel injector nozzles. Next due 1030.4
I certify that this Engine has been inspected in accordance with 100 hour inspection and was determined to be in airworthy condition. All applicable A.D.'s checked thru 2010-07.

"Maintenance Release"

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

[Signature]
Signature: _____
Title: _____

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 →					
5/19/10 Flt Hobbs 738.5 N522SR ENGINE					
<p>Removed the #3 & #4 cylinders due to low compression. The #4 & #6 cylinders were removed due to cracking. The three cylinders were sent to Poplar Grove Airmotive for repair. Reinstalled the repaired cylinders. Replaced the spark plugs. Complied with Tornado Alley Mandatory service bulletin SB 10-02 Tail Pipe Hangar Replacement by replacing the tail pipe hangars with new hangars provided by Tornado Alley. Replaced the impulse coupling on the left magneto. The engine was serviced with 8 qt. of 100 Aeroshell mineral. The engine was ran and checked for operation and leaks. Checked ok.</p>					
<p>MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of the repair are on file at the agency under work order: No. <u>1010-1443, 1441, 14395</u> Date <u>5/19/10</u> Signed <u>[Signature]</u> G-Force Aviation, Inc. Akron/Canton Regional Airport Building #17 North Canton, Ohio 44720 FAA Repair Sta. G25R235Y</p>					
<p>N522SR Cirrus SR22 S/N: 2475 HOBBS: 0748.7</p>					
<p>ENGINE:</p> <p>Drained oil, no sample taken, removed filter and inspected - nothing abnormal noted. Installed new filter p/n CH48108-1 and serviced engine with 7qts Aero-Shell 15W50 oil. Ground leak check OK - no leaks noted. Adjusted Rt waste gate cable/re-adjusted spring support bracket.</p>					
<p>The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and with respect to only the work performed is approved for return to service. Pertinent details of the work and/or inspection performed are on file at this repair station under work order number <u>979553</u>.</p>					
<p>Date <u>06/01/2010</u> By <u>Danell Stull</u> AP2162349 for</p>					
<p>NORTH COAST AIR, LLP Hangar 1, 4645 W 12th St Erie, PA 16505 (814)836-9220</p>					

Invaluable
 noted before overhaul
 Export, Grounds
 Guide

Date

Total Time

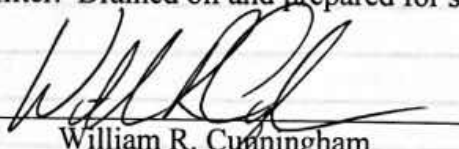
Time Since
Last Overhaul**Engine Service and Maintenance Record**

Bro

**POWERMASTER
AIRCRAFT ENGINES**9027 S. Airport Way
Jones/Riverside Airport
Tulsa OK 74132
918-299-0269
FAA CRS # P46R287Y**Engine Repair Record**Engine Make: ContinentalModel: IO-550NSerial Number: 689544PAE Work Order: 3336Date of Overhaul: 8-16-2010Tach Time: 758.9

Disassembled engine, cleaned, inspected. Crankcase inspected and overhauled by Divco on WO# 102684, replaced all cylinder deck studs. Crankshaft ultrasonic inspected. Assembled engine using new main bearing set, all gaskets and seals replaced. Overhauled cylinders, replaced exhaust guides, intake and exhaust valves, intake guide seals, honed barrels for ring finish, fit P05 oversize ring sets to barrels. Completed engine assembly in accordance with TCM Overhaul Manual. Tested ran engine and leak checked. Removed and cut filter and examined for contaminants, none found, installed new CH48108 filter. Drained oil and prepared for shipping.

Signature


 William R. Cunningham
 FAA CRS #P46R287Y

N522SR

Cirrus SR22

S/N: 2475

HOBBS: 0774.3

ENGINE:

Drained oil, no sample taken, removed filter and inspected - nothing abnormal noted. Installed new filter p/n CH48108-1 and serviced engine with 7qts Aero-Shell W100 oil & 1pt cam guard.. Ground leak check OK - no leaks noted.

The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and with respect to only the work performed is approved for return to service. Pertinent details of the work and/or inspection performed are on file at this repair station under work order number 979678.

Date 09/03/2010 By Danell Hull AP2162349 for
 NORTH COAST AIR, LLP
 Hangar 1, 4645 W 12th St
 Erie, PA 16505
 (814)836-9220

MINERAL OIL

 CHANGED AFTER
 CYLINDER REWORK

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 →					

September 16th, 2010

N522SR CIRRUS SR 22 G2 TN S/N 2475

Continental IO 550 N 46 S/N 689544

Hartzell PHC-J3YF-1N S/N FP5723B

Flight 791.4 Hrs

HOBBS 785.7 Hrs

Flight 791.4 Hrs

HOBBS 785.7 Hrs

Flight 791.4 Hrs

HOBBS 785.7 Hrs

Removed cowlings, adjusted wasgate linkage for proper clocking. Removed sparkplugs, adjusted mag to engine timing from Left @ +2.75° and Right @ -1.85° to both at -.05° from nominal of 21.5°. Installed new RHB29E spark plugs. Adjusted heat shields on exhaust, replaced fuel nozzle on #2 "C" and #4 "C" adjusted low and high fuel pressure per SID 97-3E. Realigned #5 CHT probe to clear heat shield. Adjusted MP up 13 degrees. Sealed airleaks in silicone, applied anti-chaff Teflon spi-wrap to battery cable and starter cable. Adjusted nose wheel tension, checked prop balance and found @ .021 IP/s. Installed cowlings, ground run performed and found satisfactory.

THE AIRCRAFT, ENGINE, PROPELLER AND OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

JIM BARKER A&P 2755069

Hangar (715) 822 5787

Cell (715) 491 1303

aviationvibes@gmail.com

AVIATION RESOURCES, LLC

101 Airport Ave Hangar 7

Cumberland, WI 54829

www.aviationvibes.com

N522SR Cirrus SR22 S/N: 2475 HOBBS: 0835.5

ENGINE:

Drained oil, sample taken, removed filter and inspected - nothing abnormal noted. Installed new filter p/n CH48108-1 and serviced engine with 8qts Aero-Shell W100 oil + 1pt cam guard. Ground leak check OK - no leaks noted.

The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and with respect to only the work performed is approved for return to service. Pertinent details of the work and/or inspection performed are on file at this repair station under work order number 979801.

Date: 12/09/2010 By Putrich Splenski AP48507269 for

NORTH COAST AIR, LLP
Hangar 1, 4645 W 12th St
Erie, PA 16505
(814)836-9220

HOBBS: 0810.1

S/N: 2475

Cirrus SR22

N522SR

ENGINE:

Drained oil, sample taken, removed filter and inspected - nothing abnormal noted. Installed new filter p/n CH48108-1 and serviced engine with 7qts Aero-Shell W100 oil. Adjusted/increased manifold pressure controller as needed. Ground/functional check satisfactory. No leaks noted.

The aircraft, aircraft engine, airframe, propeller or appliance identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and with respect to only the work performed is approved for return to service. Pertinent details of the work and/or inspection performed are on file at this repair station under work order number 979745.

Date 10/27/2010 By Danell Stoll AP2162349 for

NORTH COAST AIR, LLP
Hangar 1, 4645 W 12th St
Erie, PA 16505
(814)836-9220

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

North East Aero

97 Hangar RD Montgomery NY, 12549 (845) 457-1184

Cirrus Design SR22 N522SR S/N 2475

Hobbs Time: 1002.6 Air Hobbs: 996.8

S/N: 689544

01, April 2012

TCM IO-550N

1. Completed Annual Inspection IAW Cirrus Design 100hr/Annual Inspection checklist and Teledyne Continental Motors service manual.
2. Ran engine and recorded cylinder compressions: 1) 70/80 2) 71/80 3) 72/80 4) 70/80 5) 73/80 6) 68/80
3. Drained oil and retained sample for analysis, removed oil filter cut and inspected with no contamination noted. Installed new filter (P/N: CH48108-1), safety wired and added 8qts Aeroshell W100 oil and 1pt CamGard.
4. Cleaned, gapped and rotated all spark plugs as required.
5. Drained and inspected gascolator with no contamination noted.
6. Inspected all oil lines and fittings.
7. Removed RH and LH magnetos and sent to Maxwell's magnetos for 500hr inspection. Received, re-installed and timed to 21.5deg BTDC. (P/N: 10-357520, 649954) Details of work completed can be found on Maxwell's mags W/O# 3684.
8. Removed and replaced magneto pressure filter with new. (P/N: 1396-2)
9. Removed and replaced turbo oil scavenge pump housing gasket with new. (P/N: 653487)
10. Cleaned and adjusted induction duct positioning as required.
11. Removed and replaced #1 and #3 EGT probes with new. (P/N: 16579-002)
12. Re-routed and secured LH EGT/CHT wiring harness as required.
13. Removed LH intercooler, cleaned oil from interior and re-installed.
14. Removed duct tape from RH heater scat hose and applied RTV to prevent chafing as required.
15. Removed and replaced LH cylinder drain line with new as required. (P/N: 643584)
16. Adjusted LH tail pipe as required to prevent binding of wastegate elbow.
17. Installed exhaust heat shields properly and re-secured.
18. Removed, cleaned and serviced induction air filter as required.
19. Completed AD search and complied with all outstanding AD's as required. Reference AD list dated 04/12.

I certify this Engine was inspected in accordance with a 100hr/Annual inspection, and found to in Airworthy condition.

James T. Markey 31668721A

James T. Markey

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

April 17, 2012

Hobbs 1015.4

Flt Hobbs 1009.6

N522SR

TCM IO 550-N

S/N 689544

Adjusted MAP Controller and fuel flow per Tornado Alley Turbo, Inc. maintenance manual. MAP set 29.6", fuel flow 33.5 GPH at 195 degrees oil temp. Tested all ignition leads for right magneto system for radio interference, replaced right magneto capacitor. Ground ran engine, all operations normal, no leaks noted. John Duffy A&P 3491366

John Duffy

Date	Total Time		Time Since Last Overhaul		<h2 style="margin: 0;">Engine Service and Maintenance Record</h2> <p style="margin: 0; font-size: 0.8em;">Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>
	Hrs.	Min.	Hrs.	Min.	
Br <i>Mountain Aircraft Maintenance, Inc</i> P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387					
April 23, 2012 Hobbs 1026.9 Flt Hobbs 1021.1 N522SR TCM IO 550-N S/N 689544					
Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7 Qts Aeroshell 100 oil. No abnormal debris noted in old filter. Adjusted propeller governor for red line and cruise rpm. Ground ran engine, no leaks noted, all operations normal. John Duffy A&P 3491366					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> ENGINE MODEL: IO550N ENGINE S/N: 689544 REG. NO: N522SR WORK ORDER: 00000818 </div> <div style="width: 45%; text-align: right;"> TDL Aero Enterprises Repair Station No. 7TLR012B 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300 </div> </div> <div style="text-align: right; margin-top: 5px;"> DATE: 5/4/2012 A/C TSN: 1028.2 ENG TT: TACH: </div>					
Engine Entries Adjusted fuel mixture and fuel pressures IAW Tornado Alley Turbos AMM and TCM SID 97-3,					
Maintenance Release The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE: 5/4/2012 SIGNED: Chris Palage Certified Repair Station No. 7TLR012B </div> <div style="width: 45%; text-align: right;"> Work Order: 00000818 Printed by EBis 3 (datcomedia.com) </div> </div>					
1 of 1					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> ENGINE MODEL: IO550N ENGINE S/N: 689544 REG. NO: N522SR WORK ORDER: 00000842 </div> <div style="width: 45%; text-align: right;"> TDL Aero Enterprises Repair Station No. 7TLR012B 44 MACREADY DRIVE Merced, CA 95340 Phone: 209-722-7300 </div> </div> <div style="text-align: right; margin-top: 5px;"> DATE: 5/29/2012 A/C TSN: 1048.2 ENG TT: TACH: </div>					
Engine Entries Completed A 50 hour service, performed A run up, removed cowlings, drained engine oil, took A oil sample, removed oil filter and cut open, no debris found, installed A new oil filter, serviced engine 8 quarts of aero shell 100W, performed run up leak check, no leaks noted, reinstalled cowlings.					
Maintenance Release The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DATE: 5/29/2012 SIGNED: Chris Palage Certified Repair Station No. 7TLR012B </div> <div style="width: 45%; text-align: right;"> Work Order: 00000842 Printed by EBis 3 (datcomedia.com) </div> </div>					
1 of 1					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1157.6

21 May 2013 Flight Hobbs: 1157.6 Hobbs Meter: 1163.4

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual

Inspection Form and the Tornado Alley Turbo, Inc. (ICA) Scheduled Maintenance Check List as a guide.

Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Oil sample taken and submitted. Compression test: #1) 76/80, #2) 75/80, #3) 78/80, #4) 75/80, #5) 75/80, #6) 64/80. Lapped #6) cylinder exhaust valve. Reinstalled valve rocker assembly using new locking washers P/N: 501868 and reinstalled valve rocker cover using new gasket P/N: 655705.

Installed (12) new Champion RHB29E spark plugs. Checked timing of magnetos to engine. Cleaned, inspected and resealed fuel injection nozzles. Next fuel injection nozzle servicing due Flight Hobbs:

1657.6. Installed one new left hand upper deck seal P/N: 633958-5. Inspected fuel injection system components for condition and security. Leak check fuel system. Removed #1 alternator S/N: 1082535 and installed new unit P/N: ES-10024, S/N: H-M111970 using new gasket and existing installation hardware.

Removed mechanical rivets and installed new alternator air duct seal retainer machine screws and self-locking nuts as needed. Inspected engine cooling baffles and seals for component condition and security.

Fabricated and installed cooling baffle riveted surface doubler repair aft of #1 alternator. Removed right baffle support sheared mechanical rivet and installed new AN machine screw and self-locking nut.

Fabricated and installed new aft case mounted baffle support bracket and torque case through bolt.

Repositioned and secured left exhaust forward heat shield. Installed and secured new TIT probe P/N:

86245. Complied with Tornado Alley tail pipe clamp replacement by installing new right exhaust tail pipe V-band clamp P/N: 11-1100023. Next replacement due Flight Hobbs: 1607.6. Torqued left tail pipe V-

band clamp. Inspected and pressure tested exhaust system. Inspected and lubricated turbocharger wastegates using Mouse Milk. Repositioned and secured right turbocharger oil line to prevent further chafing on wastegate bolt. Torqued throttle control rod-end bolt and installed new safety. Adjusted

propeller governor control to achieve mid-range RPM of 2500. Torqued and safetied hardware. Adjusted mixture control for full stop-to-stop travel and proper cushion and installed new rod-end safety. Repaired

right SCAT air duct hose mounted between intercooler and heat exchanger. Installed new cabin fresh air SCEET hose insulation sleeve P/N: 70194-001. Inspected engine mount weldments for condition and

security and torqued mount lower weldment bolts. Complied with TAT SI08-01 (Tailpipe Crankcase Breather Discharge Tube) by cleaning away crankcase breather discharge tube coking deposits as

outlined in Service Instruction. Next inspection due Flight Hobbs: 1207.6 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure test of left and right heat

exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 1257.6. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air

filter per Service Instruction. Next air filter inspection and servicing due Flight Hobbs: 1257.6. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks

around turbocharger mounting flanges, no defects noted. Next inspection due Flight Hobbs: 1207.6 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin

ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due May 2014. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by

inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. . Cleaned, applied anti-seize compound, reinstalled elbow slip joints on wastegates.

No further defects noted. Next inspection due May 2014 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support

assembly rods. Repositioned left waste gate support blocks as needed, no further defects noted. Next inspection due May 2014 or V-band clamp replacement. Complied with TAT SB11-04

Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due May 2014. Complied with TAT SB12-02 (Fuel

Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction with auxiliary fuel pump on "high", no defects noted. Next inspection due Flight Hobbs:

1207.6 or next oil change. Continental CSB08-3B (Throttle and Mixture Control Levers) does not apply, installed throttle and mixture control levers are manufactured from stainless steel material, no further

action. Continental CSB 12 -1 (Lock Plate Inspection) does not apply by engine serial number, no further action required. Continental AD 2012-10-13 (Starter Adapter Gear Shaft Failure) effective 06-08-2012,

supersedes AD 2011-25-51, does not apply by installed starter adapter part number, no further action required. Superior Air Parts AD 2012-03-06 (AFS) Fuel Servo Diaphragm) effective 02-24-2012,

supersedes AD 2011-15-10, does not apply, (TCM) fuel injection system is installed, no further action required. AD's checked through Biweekly 2013-10. Post inspection engine ground run-up,

operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

L. John Wells A&P 3221132


w/o 33081

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.	
Mountain Aircraft Maintenance Inc. P.O. Box 772114, Steamboat Springs, CO 80477 PH: 970-870-8986					
N:522SR MAKE:TCM IO-550-N S/N:689544 Hobbs:1202.6 Flt. Hobbs: DATE:09/03/13 Ground ran engine to warm oil. Changed oil & filter. Checked old filter for contamination. Serviced engine with Aeroshell 15W50 oil. Washed engine as required and ground ran for leak check. Satisfactory at this time. Engine returned to service for the work performed. W.O. 0808 - END - Daniel L. Ingram A&P 3014106 <i>Daniel L. Ingram</i>					
Mountain Aircraft Maintenance, Inc P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387					
September 3, 2013 Hobbs 1202.6 Flt Hobbs 1190.5 N522SR Cirrus SR22 S/N 2475					
Removed no 2 alternator P/N BC410-1, S/N 0253449 and inspected by B&C Specialty Products Inc (CRS ZG9R933X) under work order 082613-3449. Operational check ok, reinstalled alternator and performed MCU operational inspection per SR22 AMM 24-30, all operations of no1 and no2 alternator systems within limits. John Duffy A&P 3491366 <i>John Duffy</i>					
Mountain Aircraft Maintenance, Inc P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387					
September 13, 2013 Hobbs 1202.7 Flt Hobbs 1190.5 N522SR Cirrus SR22 S/N 2475					
Replaced right strobe light P/N 36-0050705-00 with new. Ground operational check ok. John Duffy A&P 3491366 <i>John Duffy</i>					
Mountain Aircraft Maintenance Inc. P.O. Box 772114, Steamboat Springs, CO 80477 PH: 970-870-8986					
N:522SR MAKE:TCM IO-550-N S/N:689544 Hobbs:1230.8 Flt. Hobbs:1213.7 DATE:01/02/14 Ground ran engine to warm oil. Changed oil & filter. Checked old filter for contamination. Serviced engine with Aeroshell 15W50 oil. Washed engine as required and ground ran for leak check. Satisfactory at this time. Engine returned to service for the work performed. W.O. 1202 - END - Daniel L. Ingram A&P 3014106 <i>Daniel L. Ingram</i>					
<div style="text-align: center;"> Engine Log Book Entry Date: <u>12.31.2013</u> Engine Time: <u>1230.8</u> Installed P/N <u>TAG100-12-71-71-115</u> preheat system S/N: <u>47959</u> in accordance with Tanis instructions <u>TN01038</u> Rev. <u>D</u> Installer Name: <i>John Duffy</i> A&P Cert. # <u>3491366</u> </div>					

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

FAA - PMA

This tag certifies that Sky-Tec Model No. **C24ST5**
 Serial No. **4C5-471371** was manufactured new on **04 Dec 2013**
 by Sky-Tec under the authority of FAA-PMA No. PQ0852SW
 Supplement No. **6** in accordance with Sky-Tec's
 FAA-Approved Quality System (14CFR Part 21, Subpart K).
 This article has been determined to be airworthy.
 For installation eligibility see www.skytecair.com/eligibility.htm
 Starter installed on **N 522SR** by  (Mechanic)
 (Aircraft)

ENGINE MODEL: 10550N **TDL Aero Enterprises**
 ENGINE S/N: 609544
 REG. NO: N522SR
 WORK ORDER: 00001251
 Repair Station No. 7TLR012B
 44 MACREADY DRIVE
 Merced, CA 95340
 Phone: 209-722-7300

DATE: 1/28/2014
 A/C TSN: 1235.5
 ENG TT:
 TACH:

Engine Entries

Removed cowlings, Removed starter and replaced with new, Ser#4C5-471371, performed run up functional checks, ok at this time, no other maintenance performed, reinstalled cowlings.

Maintenance Release

The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 1/28/2014

SIGNED:

Chris Palage
 Certified Repair Station No. 7TLR012B

Work Order: 00001251

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1 of 1

Corporate Air Center **N522SR SR-22 S/N 2475 FLIGHT TIME:1252.3**

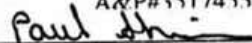


15452 - Airport Drive
 Burlington, WA 98233
 Phone (360) 757-7757
 Fax (360) 757-1557

C/W 50 HR. Inspection as per Cirrus maintenance manual. Drained oil and removed and insp. Filter. Replaced oil filter with new P/N CH48108-1. Serviced engine with 8 qts. of Aeroshell 15W/50 oil. Washed eng and ran aircraft. All systems check good and no leaks.

2-4-14

Paul Shinn
 A&P#3517455



MAKE: CIRRUS
 MODEL: SR22
 S/N: 2475
 REG. NO: N522SR
 WORK ORDER: 25260

APR Aviation, Inc.

Repair Station No. CP3R431L
 5041 E. Andersen Ave
 Fresno, California 93727 USA
 Phone: 800-982-8466

DATE: 2/19/2014
 A/C TSN
 HOBBS: 1258.9

Airframe Entries

(1) Removed XM data receiver p/n XMD076A-01 s/n 816001633. Replaced with p/n XMD076A-01, s/n 816001882. The new units Receiver ID#: 63, FCC ID#: TGVXMSC63, Audio ID #: RQUAT08P, Weather ID#: 5GQTR0R6. Synced remote with new receiver. Ops check good.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. Unless otherwise stated the repairs and modifications are minor in nature. A copy of this repair is on file at my agency.

DATE: 2/19/2014

SIGNED:

Robert Lawrence
 Certified Repair Station No. CP3R431L

Work Order: 25260

Printed by EBis 3 (datcomedia.com)

Brought N:522SR MAKE:TCM IO-550-N S/N:689544 Hobbs:1322.5 Flt. Hobbs:1285.3 DATE:04/09/14
 Ground ran engine to warm oil. Changed oil & filter. Took oil sample & provided to owner. Checked old filter for contamination. No abnormal debris noted. Serviced engine with Aeroshell 15W50 oil. Washed engine as required and ground ran for leak check. Satisfactory at this time. Engine returned to service for the work performed. W.O. 0406
 - END -
 Daniel L. Ingram
 A&P3014106

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1337.1

13 June 2014 Flight Hobbs: 1337.1 Hobbs Meter: 1383.0

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. (ICA) Scheduled Maintenance Check List as a guide. Changed engine oil and filter using (Aeroshell 15W-50). Cut oil filter open and inspected, no ferrous contaminants noted. Oil sample taken and submitted. Compression test: #1) 76/80, #2) 73/80, #3) 74/80, #4) 75/80, #5) 75/80, #6) 79/80. Cleaned, inspected, gapped, tested, and rotated spark plugs. Checked timing of magnetos to engine. Inspected new pressurization filter P/N: 1396-2 for magnetos. **Next filter replacement due June 2017 or Flight Hobbs: 1637.1.** Inspected fuel injection system components for condition and security. Leak check fuel system. Inspected cooling baffles and seals for component condition and security. Repaired forward spinner cooling baffle left mounting flange. Removed sheared #1) alternator air duct seal retainer rivet and installed new AN machine screw, washer and self-locking nut. Stop-drilled crack and fabricated and installed forward cooling baffle riveted surface doubler repair. Stop-drilled minor cooling baffle cracks as needed. Inspected #1 alternator slip ring, brush block and brushes, no discrepancies noted. **Next alternator brush inspection due June 2015.** Inspected engine preheat system for component condition and security. Engine preheat system operational check satisfactory. Adjusted alternate air door annunciator switch, operational check satisfactory. Repositioned and torqued left exhaust manifold heat shields. Complied with Tornado Alley (ICA) and installed, torqued and safetied new left V-band clamp P/N: 11-1100023. Torqued and safetied right V-band clamp. **Next left and right V-band clamp replacement due Flight Hobbs: 1787.1 and Flight Hobbs: 1607.6 respectively.** Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates using Mouse Milk. Inspected and lubricated throttle, mixture and propeller controls, operational check satisfactory. Adjusted mid-range RPM as needed. Complied with TAT SI08-01 (Tailpipe Crankcase Breather Discharge Tube) by cleaning away crankcase breather discharge tube coking deposits as outlined in Service Instruction. **Next inspection due Flight Hobbs: 1387.1 or next oil change.** Complied with TAT SI08-04 (Cabin Heat Augmenter/ Tailpipe Cracking) by pressure test of left and right heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 1437.1.** Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. **Next air filter inspection and servicing due Flight Hobbs: 1437.1.** Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbocharger mounting flanges, no defects noted. **Next inspection due Flight Hobbs: 1387.1 or next oil change.** Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due June 2015.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. **Next inspection due June 2015 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger and Wastegate Support Inspection) by inspecting turbocharger and waste gate support rods and brackets. Installed new left turbocharger upper support bracket P/N: 22-6250006, no further defects noted. **Next inspection due June 2015 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due June 2015.** Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction with auxiliary fuel pump on "high", no defects noted. **Next inspection due Flight Hobbs: 1387.1 or next oil change.** Continental AD 2014-05-29 (Superior Air Parts Cylinder Head Separation) effective 04-25-2014, does not apply by cylinder manufacturer, only TCM factory cylinders are installed, no further action required. AD's checked through Biweekly 2014-11. Post inspection engine ground run-up, operational check and leak check satisfactory. **I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

L. John Wells A&P 3221132

w/o 34384

Date	Total Time	Time Since	Engine Service and Maintenance Record
ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
29 August 2014	N522SR Continental IO-550-N(46)	S/N: 689544	Engine Total Time: 1356.7
Flight Hobbs: 1356.7		Hobbs Meter: 1407.2	
Changed engine oil and filter (Shell 15W50). Oil sample taken and submitted. Cut oil filter open and inspected for foreign material none found. Engine run up and leak check good.			
Nathaniel Alan Beuthel A&P 3659835			w/o 34755
ARAPAHOE AERO			
12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386			
29 August 2014	N522SR Cirrus SR22	S/N: 22-2475	Airframe Total Time: 1356.7
Flight Hobbs: 1356.7		Hobbs Meter: 1407.2	
Torqued TKS finger screen housing end fittings and safetied. Installed new seals and secured as needed. Bled air from system and performed operational check - no defects noted. Serviced TKS reservoir as needed.			
Nathaniel Alan Beuthel A&P 3659835			w/o 34755



N 522SR Date: October 2, 2014
Model # Cirrus SR-22 S/N 2475
HOBBS : 1441.1
IO-550-N (46) S/N 689544 ETT: 1441.1
ENGINE LOG ENTRY

Drained engine oil, removed engine oil filter. Took SOAP sample. Cut filter open, inspected, no problems noted. Installed new CH48108-1 oil filter. Serviced engine with 8 qts of AeroShell 15W50 oil. Ran engine, leak checked, no problems noted.

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. C29-14-01380**

[Signature]
LANDMARK AVIATION

FAA CRS# LN3R6 J3L



N 522SR Date: October 15, 2014
Model # Cirrus SR-22 S/N 2475
AFTT: 1390.8 HOBBS: 1447.9
IO-550-N (46) S/N 689544
ENGINE LOG ENTRY

C/W 50hr inspection IAW SR22 MM 5-20

Turbo Alley 50hr Inspection C/E IAW Turbo alley ICA

I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. **W.O. C29-14-01380**

[Signature]
LANDMARK AVIATION

FAA CRS# LN3R6 J3L

ARAPAHOE AERO AVIONICS

12780 E. Control Tower Road K6 Englewood, CO 80112 303-799-6289
N522SR Cirrus SR-22 sn: 2475
Hobbs: 1471.0
November 21, 2014

DFC-90 700-00170-000 Rev 00 sn: M103515783 RMA 9026081 MSR Failure.

Received DFC-90 700-00170-00 sn: M131394405 (Mod 3) which had been repaired and returned to service by Avidyne on their WO # 9026038 dated October 27, 2014. See their 8130-3 issued this date.

Replaced defective Flash Card in MFD 700-0000 sn: 20896055 per Avidyne Service Bulletin No. 601-00004-087.

The aircraft and/or component identified above was inspected in accordance with current Federal Aviation Regulations and is approved for return to service.

CRS ZL6R006Y Signed: *[Signature]* AV-03273

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.	

Brol

Mountain Aircraft Maintenance Inc.

P.O. Box 772114, Steamboat Springs, CO 80477 PH: 970-870-8986

N:522SR MAKE:TCM IO-550-N S/N:689544 Hobbs:1483.8 Flt. Hobbs:1419.9 DATE:02/05/15

Ground ran engine to warm oil. Changed oil & filter. Took oil sample & provided to owner. Checked old filter for contamination. No abnormal debris noted. Serviced engine with Aeroshell 15W50 oil. Cleaned engine as required and ground ran for leak check. Satisfactory at this time. Engine returned to service for the work performed. W.O. 0201

- END -

Daniel L. Ingram
A&P3014106

Daniel L. Ingram

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

May 6, 2015 Hobbs 1525.9 Flt Hobbs 1454.8
N522SR TCM IO 550-N S/N 689544

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7.5 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal. John Duffy A&P 3491366

John Duffy

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1459.0

25 June 2015 Flight Hobbs: 1459.0 Hobbs Meter: 1531.3

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. (ICA) Scheduled Maintenance Check List as a guide. No oil sample or oil and filter change this inspection. Compression test: #1) 77/80, #2) 78/80, #3) 78/80, #4) 78/80, #5) 78/80, #6) 78/80. Cleaned, inspected, gapped, tested, and rotated spark plugs. Removed left and right Bendix magnetos P/N: 10-500556-101, S/N: D07DA030 and S/N: D07DA088 for 500 hour inspection. Cleaned and inspected magnetos and installed new breaker points P/N: 10-382584, gear kits P/N: 10-357586, distributor block felt strips and washers, distributor gear snap rings, carbon brushes, and rotor seals. Cleaned, inspected and repacked magneto rotor bearings and assembled magnetos, set internal timing and tightened assembly hardware. Complied with **TCM Mandatory Service Bulletin No. MSB645 (Impulse Coupling)** by visual and dimensional inspection of impulse couplings and the replacement of the main spring P/N: 10-51324 as outlined in Service Bulletin. Reinstalled impulse couplings on magnetos and torqued and safetied attaching hardware. Reinstalled left and right magnetos using new gaskets P/N: 10-400613 and set magneto to engine timing. **Next 500 hour magneto inspection due Flight Hobbs: 1959.0.** Installed and secured new right ignition harness P/N: 10-423674-25 due to radio noise issue. Inspected fuel injection system components for condition and security. Leak check fuel system. Installed new #4) cylinder induction tube gasket P/N: 649950. Inspected cooling baffles and seals for component condition and security. Fabricated and installed left aft side cooling baffle riveted surface doubler repair and affixed anti-chafe material. Installed and secured new cooling baffle right side support bracket. Installed new aft cooling baffle throttle cable pass-through elastic grommet P/N: MS35489-1. Inspected #1 alternator slip ring, brush block and brushes, and installed new brush assembly P/N: ALE1013AS. **Next alternator brush inspection due June 2016.** Inspected intercoolers for component condition and security. Repositioned and secured right intercooler SCAT air duct hose to prevent further chafing on cabin heat control. Installed and secured new cabin fresh air inlet Skeet-10 inlet air hose. Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates using Mouse Milk. Inspected and lubricated throttle, mixture and propeller controls, operational check good. Inspected engine preheat system for component condition and security, operational check satisfactory.

(Page 1) (Continued)

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 →					

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1459.0
25 June 2015 Flight Hobbs: 1459.0 Hobbs Meter: 1531.3

(Continued) (Page 2)

Complied with TAT SI08-01 (Tailpipe Crankcase Breather Discharge Tube) by cleaning away crankcase breather discharge tube coking deposits as outlined in Service Instruction. Next inspection due Flight Hobbs: 1509.0 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure test of left and right heat exchangers as outlined in Service Instruction, no defects noted. Next inspection due Flight Hobbs: 1559.0. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next air filter inspection and servicing due Flight Hobbs: 1559.0. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbocharger mounting flanges, no defects noted. Next inspection due Flight Hobbs: 1509.0 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due June 2016. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. Removed carbon build-up on left and right exhaust dump tubes, reassembled using antiseize compound and torqued and safetied claps. Next inspection due June 2016 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger and Wastegate Support Inspection) by inspecting turbocharger and waste gate support rods and brackets. Adjusted left and right turbocharger exhaust supports as needed. Adjusted right wastegate support clearance, no further defects noted. Next inspection due June 2016 or V-band clamp replacement. Complied with TAT SB11-04 Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due June 2016. Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction with auxiliary fuel pump on "high", no defects noted. Next inspection due Flight Hobbs: 1509.0 or next oil change. AD's checked through Biweekly 2015-12. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

[Signature]

L. John Wells A&P 3221132 w/o 35659

ENGINE MODEL:
ENGINE S/N:
REG. NO. N522SR
WORK ORDER: 27283



APR Aviation, Inc.
Repair Station No. CP3R431L
5041 E. Andersen Ave
Fresno, California 93727 USA
Phone: 800-982-8466

DATE: 9/3/2015
A/C TSN:
ENG TT:
HOBBS: 1506.6

Engine Entries

(1) Changed oil and filter, inspected filter, no contaminants found. Refilled with Aeroshell 15w50 oil. Run and leak check good.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. Unless otherwise stated the repairs and modifications are minor in nature. A copy of this repair is on file at this agency.

DATE: 9/3/2015

SIGNED: *[Signature]*

Work Order: 27283

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

January 21, 2016 Hobbs 1616.6 Flt Hobbs 1529.0
N522SR Cirrus SR22 S/N 2475

Installed new turbine inlet temperature probe Alcor P/N 86245. John Duffy A&P 3491366

[Signature]

ENGINE MODEL:
ENGINE S/N:
REG. NO. N522SR
WORK ORDER: 27812



APR Aviation, Inc.
Repair Station No. CP3R431L
5041 E. Andersen Ave
Fresno, California 93727 USA
Phone: 800-982-8485

DATE: 2/19/2016
A/C TSN: 1534.1
ENG TT: 1534.1
HOBBS: 1534.1

Date

Engine Entries

Brought Forward

(2) Complied with 100hr inspection I/A/W APR Aviation Checklist. Changed oil and filter, inspected filter, no contaminants found. Refilled with aeroshell 15W50 oil. Run and leak check good. Compression check #1) 75/80, #2) 68/80, #3) 70/80, #4) 70/80, #5) 70/80, #6) 69/80, ----(9) C/W TAT SB12-02 Fuel pump inspection. Complied with inspection. No discrepancies found at this time. ----(10) C/W TAT SB11-04 Turbo oil line inlet screen inspection. Complied with inspection and cleaned screens. No discrepancies found at this time. ----(11) C/W TAT SI11-03 Turbo support inspection. Complied with inspection, and found to be within limits. ----(13) C/W TAT SB10-1 Alternate air door hinge pin inspection. Complied with inspection. No discrepancies found at this time. ----(14) C/W SI08-01 Crankcase breather discharge tube cleaning. Complied with inspection and cleaning. No discrepancies found at this time. ----(15) C/W TAT SB09-01 Exhaust manifold inspection. Complied with inspection. No discrepancies found at this time. ----(16) C/W TAT SI08-05 Air filter inspection. Complied with inspection. No discrepancies found at this time.

I certify that the engine identified above has been inspected in accordance with a 100 hour inspection and has been found airworthy as of this date.

DATE: 2/19/2016

SIGNED:

Stephen Denney
Certified Repair Station No. CP3R431L

Work Order: 27812

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1 of 1

Maintenance Record
Special Inspections,

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1557.8

29 July 2016 Flight Hobbs: 1557.8 Hobbs Meter: 1657.2

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. (ICA) Scheduled Maintenance Check List as a guide. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Compression test: #1) 76/80, #2) 72/80, #3) 78/80, #4) 72/80, #5) 74/80, #6) 72/80. Installed a new set of Tempest URHB32E spark plugs. Adjusted timing of left and right magnetos to engine. Inspected fuel injection system components for condition and security. Leak check fuel system. Inspected cooling baffles and seals for component condition and security. Inspected #1 alternator brushes and slip rings. Found to be satisfactory for continued use. **Next alternator brush inspection due July 2017.** Inspected intercoolers for component condition and security. Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates using Mouse Milk. Inspected and lubricated throttle, mixture and propeller controls, operational check good. Inspected engine preheat system for component condition and security, operational check satisfactory. Removed starter adapter P/N: 642083A12, S/N: WSW052708 and reinstalled unit after overhaul. Overhauled by Western Skyways, Inc., CRS#WS9R575J, wo# W052708 dated 25 July 2016. Replaced left exhaust manifold heat shield clamp. Applied RTV between #6 CHT wiring and alternate air door to prevent chafing. Replaced right skeet tube from intercooler to exhaust heat exchanger. Installed new right V-band clamp P/N: 11-1100023, torqued and safetied. **Next right V-band clamp replacement due Flight Hobbs: 2007.8.** Complied with TAT SI08-01 (Tailpipe Crankcase Breather Discharge Tube) by cleaning away crankcase breather discharge tube coking deposits as outlined in Service Instruction. **Next inspection due Flight Hobbs: 1607.8 or next oil change.** Complied with TAT SI08-04 (Cabin Heat Augmenter /Tailpipe Cracking) by pressure test of left and right heat exchangers as outlined in Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 1657.8.** Complied with TAT SI08-05 (Induction Air Filter) by replacement of air filter with new P/N: 33-2022. **Next air filter inspection and servicing due Flight Hobbs: 1657.8.** Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbocharger mounting flanges, no defects noted. **Next inspection due Flight Hobbs: 1607.8 or next oil change.** Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due July 2017.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures. Removed carbon build-up on right exhaust dump tubes, reassembled using antiseize compound. **Next inspection due July 2017 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger and Wastegate Support Inspection) by inspecting turbocharger and waste gate support rods and brackets. Adjusted left and right turbocharger exhaust supports as needed, no further defects noted. **Next inspection due July 2017 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due July 2017.**

(Page 1)

(Continued)

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386
 N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1557.8
 29 July 2016 Flight Hobbs: 1557.8 Hobbs Meter: 1657.2

(Continued) (Page 2)

Complied with TAT SB12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction with auxiliary fuel pump on "high", no defects noted. Next inspection due Flight Hobbs: 1607.8 or next oil change. AD's checked through Biweekly 2016-15. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

L. John Wells A&P 3221132 w/o 36965

Mountain Aircraft Maintenance Inc.

P.O. Box 772114, Steamboat Springs, CO 80477 PH: 970-870-8986

N: 522SR MAKE: TCM IO-550-N S/N: 689544 HOBBS: 1701.8 DATE: 12/06/16

Ground ran engine to warm oil. Changed oil & filter. Checked old filter for contamination. Serviced engine with Aeroshell 15W50 oil. Washed engine as required and ground ran for leak check. Satisfactory at this time. Engine returned to service for the work performed. W.O. 1204 - END -

Daniel L. Ingram
 A&P 3014106

Mountain Aircraft Maintenance, Inc.

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

March 7, 2017 Hobbs 1743.9 Flt Hobbs 1623.1
 N522SR TCM IO 550-N S/N 689544

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7.5 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal. John Duffy A&P 3491366

ENGINE MODEL:
 ENGINE S/N:
 REG. NO. N522SR
 WORK ORDER: 29254



APR Aviation, Inc.
 Repair Station No. CP3R431L
 5041 E. Andersen Ave
 Fresno, California 93727 USA
 Phone: 800-982-8466

DATE: 6/20/2017
 A/C TSN: 1651.7
 ENG TT: 1651.7
 HOBBS: 1651.7

Engine Entries

(2) Complied with 100hr inspection I/A/W FAR 43 appendix D utilizing APR Aviation Checklist. Changed oil and filter, inspected filter, no contaminants found. Refilled with aeroshell 15W50 oil. Run and leak check good. Compression check #1) 75/80, #2) 68/80, #3) 70/80, #4) 70/80, #5) 70/80, #6) 69/80.----(5) C/W TAT SB12-02 Fuel pump inspection. Removed and reinstalled engine driven fuel pump after o-ring replacement/repair by Great Plains Fuel Metering, Inc. Adjusted fuel flow as required. Ops check and leak check good.----(7) C/W TAT SB11-04 Turbo oil line inlet screen inspection. Complied with inspection and cleaned screens. No discrepancies found at this time.----(8) C/W TAT SI11-03 Turbo support inspection. Complied with inspection, and found worn support rod bushings and wear sleeves on both sides. Replaced worn bushings and wear sleeves and reinstalled supports----(9) C/W TAT SI11-01 Exhaust slip joint inspection. No discrepancies found at this time.----(10) C/W TAT SB10-1 Alternate air door hinge pin inspection. No discrepancies found at this time.----(11) C/W SI08-01 Crankcase breather discharge tube cleaning. No discrepancies found at this time.----(12) C/W TAT SB09-01 Exhaust manifold inspection. No discrepancies found at this time.----(13) C/W TAT SI08-05 Air filter inspection and cleaning.----(14) C/W TAT SI08-04 Cabin heat augments/tail pipe inspection. No discrepancies found at this time.----(18) Removed and replaced all turbo system hoses with hose kit p/n ETI-G3-7----(21) Replaced magneto pressurization filter.----(24) Removed and cleaned fuel injectors and reinstalled with new seals and o-rings.----(27) Replaced rocker cover gasket at #4 cylinder----(32) Replaced #6 cylinder with overhauled cylinder S/N U269. Op checks good.----(37) Replaced broken top spark plug at #5 cylinder

I certify that the engine identified above has been inspected in accordance with a 100 hour inspection and has been found airworthy as of this date.

DATE: 6/20/2017

SIGNED:

Stephen Denny
 Certified Repair Station No. CP3R431L

Work Order: 29254

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Date 8/2/2018
W/O# 16975



Engine Logbook Entry AIRCRAFT: N 522SR
CRS AWKR298C S/N 2475

25170 Aviation Ave., Davis, CA 95616

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Tach / Flight 1765.4 COMPLIED WITH DIFFERENTIAL COMPRESSION TEST RESULTS: #1- 73/80, #2- 74/80, #3- 77/80, #4- 73/80, #5- 61/80, #6- 77/80. MASTER ORIFICE: 46/80. DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH 7 QUARTS AEROSHELL 15W50 ENGINE OIL. PERFORMED POST ANNUAL ENGINE COMPARTMENT RINSE AND 100-HOUR/ANNUAL RECURRING LUBRICATION OF ENGINE CONTROLS. SEALED ENGINE BAFFLE GAPS WITH HIGH TEMP RED RTV. INSTALLED NEW OIL DIPSTICK CAP GASKET. CLEANED CRANKSHAFT AND APPLIED PROTECTIVE PAINT. SET LEFT MAGNETO TO ENGINE TIMING. INSTALLED NEW #3 CYLINDER OVERSIZE EXHAUST STUD. REMOVED LEFT EXHAUST MANIFOLD P/N ET1-SR22-103-3, S/N ILM50-0003. INSTALLED NEW MANIFOLD P/N 22-6850011. REMOVED RIGHT EXHAUST MANIFOLD P/N ET1-SR22-100-4, S/N INN77-0002. INSTALLED NEW MANIFOLD P/N 22-6850003. CLEANED AND RE-INSTALLED LEFT AND RIGHT EXHAUST DUMP ELBOW WITH ANTI-SEIZE. INSTALLED NEW LEFT TAT EXHAUST TAILPIPE V-BAND CLAMP. INSTALLED NEW LEFT AND RIGHT FORWARD EXHAUST RISER HEAT SHIELDS. TRIMMED REMAINING RISER HEAT SHIELDS FOR CLEARANCE. INSTALLED NEW LEFT AND RIGHT TURBO SUPPORT RODS. INSTALLED NEW RIGHT WASTEGATE. INSTALLED NEW ACTUATOR CABLE KNUCKLE, RETURN SPRING, CLEVIS PINS AND RETAINER. RIGGED WASTEGATE CABLE SYSTEM. INSTALLED NEW RIGHT WASTEGATE SUPPORT BRACKET BUSHING.

Eng TSN 1765.4

Eng TSO N/A

TTAF 1765.4

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

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed:

Shawn Matthies AWKR298C

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

May 6, 2019 Hobbs 2059.2 Flt Hobbs 1851.6
N522SR TCM IO 550-N S/N 689544

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal.

John Duffy A&P 3491366

ENGINE MODEL
ENGINE S/N:
REG. NO. N522SR
WORK ORDER:
1919-01-2019

C AND T Aviation INC

4130 Aviation Drive
Madera, ca 93637
Phone: 559-675-0183

DATE: 1/16/2019
A/C TSN:
ENG TT:
TSMOH:
HOBBS: 2024

Engine Entries

(1) Performed oil change. Removed and replaced oil filter with new. Serviced engine with 8qts AS15W/50. Engine washed and ground ran no defects noted.

Maintenance Release

The aircraft and/or component(s) on N522SR was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair facility under Work Order No. 1919-01-2019, Dated 1/16/2019.

DATE: 1/16/2019

SIGNED:

Chris Tharp, A&P. 2755348AP

Work Order: 1919-01-2019

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Date 8/14/2019



Engine Logbook Entry

CRS AWKR298C

AIRCRAFT: N 522SR

W/O# 17581

25170 Aviation Ave., Davis, CA 95616

S/N 2475

Tach / Flight

1871.3

COMPLIED WITH AN ANNUAL INSPECTION THIS DATE PER FAR 43 APPENDIX D. ALL WORK COMPLETED IN ACCORDANCE WITH APPLICABLE MANUALS.

Eng TSN

1871.3

COMPLIED WITH DIFFERENTIAL COMPRESSION CHECK PER CMI STANDARD PRACTICES MAINTENANCE MANUAL, COMPRESSION TEST RESULTS: #1- 74/80, #2- 66/80, #3- 75/80, #4- 71/80, #5- 59/80, #6- 70/80.

Eng TSO

N/A

MASTER ORIFICE: 43/80.

TTAF

1871.3

DRAINED OIL AND REMOVED FILTER. OPENED FILTER AND INSPECTED FOR METAL AND DEBRIS; NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT OUT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 15W50 ENGINE OIL. REINSTALLED LEFT MAGNETO P/N 10-500556-1 S/N D07DA088 AND RIGHT MAGNETO P/N BL-500556-1 S/N D07DA030 AFTER 500 HR INSPECTION BY AIRCRAFT ELECTRICAL COMPONENTS INC. CRS # S7HR883J UNDER W/O PO19-00767 WITH NEW GASKETS. SET MAGNETO TO ENGINE TIMING. INSTALLED NEW OIL DIPSTICK GASKET. REINSTALLED #4 CYLINDER EXHAUST RISER AFTER REPAIR BY DAWLEY AVIATION FAA CRS #NJ5R069N UNDER W.O. 119172. NEW GASKETS INSTALLED FOR CYL 2,4, AND 6. INSTALLED NEW LEFT AND RIGHT TURBO SUPPORT ROD TEFLON SLEEVES. INSTALLED NEW LH WASTEGATE SUPPORT BRACKET BUSHING. INSTALLED 1 NEW TEMPEST SPARK PLUG.

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

Pertinent details of the repair are on file at this agency: Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

I certify that this Aircraft/Engine/Propeller has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Signed: *Shawn Matthies*

Shawn Matthies AWKR298C

ENGINE MODEL:
ENGINE S/N:
REG. NO. N522SR
WORK ORDER: 29126



APR Aviation, Inc.

Repair Station No. CP3R431L
5041 E. Anderson Ave.
Fresno, California 93727 USA
Phone: 800-952-8486

DATE: 4/12/2017
A/C TSN: 1034.7
ENG TT: 1534.7
HOBS: 1634.7

Engine Entries

(1) Removed and replaced defective starter PN:C24ST5, SN:4C5-471371, with overhauled starter PN:646275-1, SN:H-Q110358. Op check good.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. Unless otherwise stated the repairs and modifications are minor in nature. A copy of this repair is on file at this agency.

DATE: 4/12/2017

SIGNED: *Stephen Denney*

Work Order: 29126

Stephen Denney
Certified Repair Station No. CP3R431L

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Date 11/7/2019



Engine Logbook Entry

CRS AWKR298C

AIRCRAFT: N 522SR

W/O# 17871

25170 Aviation Ave., Davis, CA 95616

S/N 2475

Tach

1891.8

CHANGED OIL AND FILTER. INSPECTED OIL FILTER FOR METAL AND DEBRIS IN ELEMENT, NO DISCREPANCIES NOTED. OIL SAMPLE RECOVERED AND SENT FOR ANALYSIS. INSTALLED NEW FILTER AND SERVICED ENGINE WITH AEROSHELL 15W50 ENGINE OIL.

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

Shawn Matthies AWKR298C

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

April 14, 2020

Hobbs 2142.4

Flt Hobbs 1909.6

N522SR

TCM IO 550-N

S/N 689544

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal. Repaired chaffed section of Tanis engine heater wire by alternator and replaced Tanis heat power in fuse. Installed new adel wire bundle clamp at No.5 cylinder. Mark Trimble A&P 3771490

Mark Trimble

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR**Continental****IO-550-N(46)****S/N: 689544****Total Time: 1921.9**

Date

18 September 2020**Flight Hobbs: 1921.9****Hobbs Meter: 2161.6**

Brought Fo

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc, Scheduled Maintenance Check List as a guide. Compression test: #1) 76/80, #2) 68/80, #3) 71/80, #4) 65/80, #5) 65/80, #6) 71/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked and adjusted timing of left and right magnetos to engine. Installed new magneto pressurization filter P/N: 1396-2. **Next pressurization filter due August 2023 or Flight Hobbs: 2221.9.** Leak check fuel system. Performed 24 Month #1 Alternator Brush Inspection, replaced #1 alternator brushes, P/N: ALE1013AS. **Next #1 alternator brush inspection due August 2022 or Flight Hobbs: 2421.9.** Installed new #4-cylinder induction tube gasket. Tightened #4-cylinder drain. Adjusted fuel flow and mixture rise as needed. Adjusted high RPM and manifold pressure. Installed new master wastegate support bracket P/N: 22-6250006, washers, nut and securing spring / bolt. Tightened heat shields. Installed new left turbo suction hose P/N: AE3663161H0190, provided by Aero Performance, WO #40992, dated 14 September 2020. Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates. Inspected and lubricated throttle, mixture and propeller controls, operational check good. Inspected engine preheat system for component condition and security, operational check satisfactory. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by installing new crankcase breather hose as outlined in Service Instruction. **Next inspection due at Flight Hobbs: 1971.9 or next oil change.** Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure test of left and right heat exchangers per Service Instruction, no defects noted. **Next inspection due Flight Hobbs: 2021.9.** Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. **Next induction air filter serving due Flight Hobbs: 2021.9.** Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges, no defects noted. **Next inspection due at Flight Hobbs: 1971.9 or next oil change.** Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. **Next inspection due September 2021.** Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting right exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures, no defects noted. **Next inspection due September 2021 or V-band clamp replacement.** Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods per Service Instruction. **Next inspection due September 2021 or V-band clamp replacement.** Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. **Next inspection due September 2021.** Complied with TAT SI12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction, no defects noted. **Next inspection due next oil change or Flight Hobbs: 1971.9.** AD's checked through Biweekly 2020-19. Post inspection engine ground run-up, operational check and leak check satisfactory. I **CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.**

Scott S. Fisher A&P 3290363

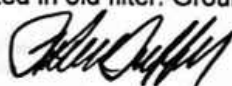
w/o 41525

Mountain Aircraft Maintenance, Inc

P.O. Box 772114, Steamboat Springs, CO 80477 (970) 870-8986 Fax (970) 870-0387

May 5, 2021 Hobbs 2187.4 Flt Hobbs 1937.8
N522SR TCM IO 550-N S/N 689544

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal.
John Duffy A&P 3491366



ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR

Continental

IO-550-N(46)

S/N: 689544

Total Time: 1956.7

Date

21 October 2021

Flight Hobbs: 1956.7

Hobbs Meter: 2212.7

Brought Fo

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. Scheduled Maintenance Check List as a guide. Compression test: #1) 77/80, #2) 65/80, #3) 79/80, #4) 76/80, #5) 74/80, #6) 76/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of left and right magnetos to engine. Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates. Inspected and lubricated throttle, mixture and propeller controls, operational check good. Inspected engine preheat system for component condition and security, operational check satisfactory. Repositioned fuel hose to prevent chafing on mixture control. Fabricated and installed doublers to repair left baffle cracks. Removed oil quick drain, resealed with new o-ring and reinstalled drain with new gasket. Installed new right V-band clamp, P/N: 11-1100023, torqued and safetied. Next right V-band clamp replacement due Flight Hobbs: 2406.7. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by installing new crankcase breather hose as outlined in Service Instruction. Next inspection due at Flight Hobbs: 2006.7 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure test of left and right heat exchangers per Service Instruction, no defects noted. Next inspection due Flight Hobbs: 2056.7. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next induction air filter serving due Flight Hobbs: 2056.7. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges, no defects noted. Next inspection due at Flight Hobbs: 2006.7 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due October 2022. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting right exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures, no defects noted. Next inspection due October 2022 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods per Service Instruction. Next inspection due October 2022 or V-band clamp replacement. Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due October 2022. Complied with TAT SI12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction, no defects noted. Next inspection due next oil change or Flight Hobbs: 2006.7. AD's checked through Biweekly 2021-21. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Gilbert C. Schoales, Jr.

Gilbert C. Schoales, Jr. A&P 3644953

w/o 42676

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N522SR Continental IO-550-N(46) S/N: 689544 Total Time: 1996.1

Date

16 November 2022 Flight Hobbs: 1996.1 Hobbs Meter: 2269.2

Brought For

100 Hour Inspection for Annual completed this date using the Cirrus SR22 Maintenance Manual Inspection Form and the Tornado Alley Turbo, Inc. Scheduled Maintenance Check List as a guide. Compression test: #1) 77/80, #2) 68/80, #3) 76/80, #4) 72/80, #5) 70/80, #6) 74/80. Changed engine oil and filter using (Shell 15W-50). Cut oil filter open and inspected, no contaminants noted. Oil sample taken and submitted. Cleaned engine with solvent. Secured right turbo pressure hose to prevent chafing on wastegate control. Safetied sump screen cap. Safety wired de-ice feed tube to slinger. Installed new O-rings on left wastegate vent fittings. Removed and replaced right heat exchanger sceet hose. Cleaned, gapped, tested, and rotated spark plugs. Checked timing of left and right magnetos to engine. Inspected and pressure tested exhaust system. Inspected turbochargers and wastegates for component condition and security and lubricated wastegates. Inspected and lubricated throttle, mixture and propeller controls, operational check good. Performed 500 Hour / 2 Years #1 Alternator Brush Inspection, no defects noted. Next #1 alternator brush inspection due November 2024 or Flight Hobbs: 2496.1. Installed new #2 Alternator gasket. Leak check satisfactory. Complied with TAT SI08-01 (Crankcase Breather Discharge Tube) by installing new crankcase breather hose as outlined in Service Instruction. Next inspection due at Flight Hobbs: 2046.1 or next oil change. Complied with TAT SI08-04 (Cabin Heat Augmenter/Tailpipe Cracking) by pressure test of left and right heat exchangers per Service Instruction, no defects noted. Next inspection due Flight Hobbs: 2096.1. Complied with TAT SI08-05 (Induction Air Filter) by inspecting and servicing induction air filter per Service Instruction. Next induction air filter serving due Flight Hobbs: 2096.1. Complied with TAT SB09-01 (Exhaust Manifold Cracks) by inspecting exhaust manifolds for cracks around turbo mount flanges, no defects noted. Next inspection due at Flight Hobbs: 2046.1 or next oil change. Complied with TAT SB10-01 (Alternate Air Door Hinge Pin) by inspecting hinge pin ends on alternate air door for cracks, loose rivets and/or missing pin retention methods, no defects noted. Next inspection due November 2022. Complied with TAT SI11-01 (Exhaust Slip Joint Inspection) by inspecting right exhaust system slip joints per instruction for indications of binding, distortion or damage from excessive temperatures, no defects noted. Next inspection due November 2023 or V-band clamp replacement. Complied with TAT SI11-03 (Turbocharger Support Inspection) by inspecting turbocharger and waste gate support assembly rods per Service Instruction. Next inspection due November 2023 or V-band clamp replacement. Complied with TAT SB11-04 (Turbocharger Oil Supply Inlet Screen) by cleaning left and right turbocharger oil inlet screen of foreign material as per Service Bulletin. Next inspection due November 2023. Complied with TAT SI12-02 (Fuel Pump O-ring Seals) by inspecting the fuel pump mixture control shaft for fuel leakage per Service Instruction, no defects noted. Next inspection due next oil change or Flight Hobbs: 2046.1. AD's checked through Biweekly 2022-23. Post inspection engine ground run-up, operational check and leak check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.



Gilbert C. Schoales, Jr. A&P 3644953 w/o 43803

**June 14, 2023 Hobbs 2281.1 Flt Hobbs 2001.5****N522SR TCM IO 550-N S/N 689544**

Changed oil and filter, installed new CH48108-1 oil filter and serviced engine with 7 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal. John Duffy A&P 3491366

**September 20, 2023 Hobbs 2307.6 Flt Hobbs 2023.9****N522SR TCM IO 550-N S/N 689544**

Changed oil and filter, installed new Tempest AA48108-2 oil filter and serviced engine with 7 Qts Aeroshell 15W50 oil. No abnormal debris noted in old filter. Ground ran engine, no leaks noted, all operations normal. John Duffy A&P 3491366

