

010

PLATINUM ENGINE LOG BOOK

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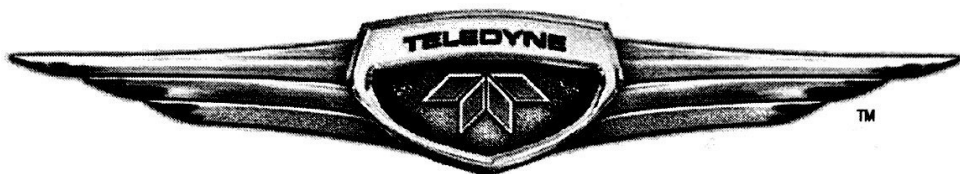
Old boss

010
boss



CONTINENTAL MOTORS

PLATINUM ENGINE LOG BOOK



CONTINENTAL MOTORS

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



Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Printed: 05/04/2008


This engine model I0550N51, Serial No. 691726 was manufactured on 05/02/2008 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. 508

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.	
6/11/08	6	.5			

THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATE NUMBER HAS BEEN INSTALLED ON THIS ENGINE

SE10589SC
 CDC  on JUN 12 2008
 Cirrus Design Corporation Duluth, MN USA
 PC# 338CE

ENGINE MODEL: IO-550-N
 ENGINE S/N: 691726
 REG. NO: 347CP
 WORK ORDER: 3306-11-2009

Twin Cities Aviation, Inc.
 8891 Airport Rd #A-2
 Blaine, Minnesota 55449 USA
 Phone: 763-784-9165

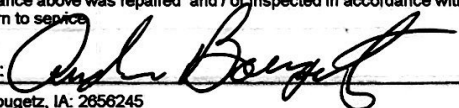
DATE: 11/24/2009
 A/C TSN: 12
 ENG TT: 12
 FLIGHTTIME: 12

Engine Entries

C/W a annual engine inspection IAW Cirrus SR 22 MM and IG. AD's researched to date. Researched all Cirrus SB's date. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of Phillips 20W-50M and a new CH48108-1 filter installed. Quick drain verified closed and filter torqued and safetied. Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3. Compression: #1 - 75/80, #2 - 76/80, #3 - 77/80, #4 - 76/80, #5 - 76/80, #6 - 77/80. TCM min for day 44/80. External mag timing checked and adjusted to 22 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this powerplant has been inspected IAW a annual inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:—C/W a Annual Inspection, Tornado Alley Turbonormalizers, IAW Tornado Alley Instructions For Continued Airworthiness, New turbochargers, wastegates, cable, and exhaust parts were installed at engine replacement. I have inspected these turbonormalizers IAW an annual inspection and it was determined to be airworthy with respect to work performed at this date and time.—C/W AD 09-24-52, Hydraulic Lifters, DNA by date of engine manufacture.

1 of 1

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

DATE: 11/24/2009 SIGNED:  Work Order: 3306-11-2009
 Andrew Bougetz, IA: 2856245 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
 ENGINE S/N: 691726
 REG. NO: N347CP
 WORK ORDER: 3341-12-2009


Twin Cities Aviation, Inc.
 8891 Airport Rd #A-2
 Blaine, Minnesota 55449 USA
 Phone: 763-784-9165

DATE: 12/22/2009
 A/C TSN: 21.7
 ENG TT: 21.7
 FLIGHTTIME: 21.7

Engine Entries

C/W Cirrus Maintenance Program 25 hr inspection IAW Cirrus Design Demonstrator care program check list. Drained oil, removed filter, inspected filter, verified drain closed/locked/safetied, serviced engine with 7qts Exxon Elite 20W50 installed new CH48108-1 filter, torqued and safetied, inspected air intake ducts, drained and cleaned gasolator fuel filter and bowl, inspected breather tube and exhaust system, inspected alternate air door operation, checked lights, checked electrolyte level, ground run, ops check and leak check satisfactory.

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

DATE: 12/22/2009 SIGNED:  Work Order: 3341-12-2009
 Andrew Bougetz, A&P: 2856245 Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
 ENGINE S/N: 691726
 REG. NO: N347CP
 WORK ORDER: 3409-03-2010


Twin Cities Aviation, Inc.
 8891 Airport Rd #A-2
 Blaine, Minnesota 55449 USA
 Phone: 763-784-9165

DATE: 3/16/2010
 A/C TSN: 53
 ENG TT: 53
 FLIGHTTIME: 53

Engine Entries

C/W Cirrus 50 Hour Maintenance Program Inspection, Inspected IAW Cirrus SR 22 MM and IG. Cleaned engine. Drained oil and sample taken. Serviced w/ 7 qts of Aeroshell 15w-50 and a new CH48108-1 filter installed. Quick drain verified closed and filter torqued and safetied. Visually inspected and pressurized muffler assembly. No defects noted. Check operation of alternate air flapper valve. Drain and clean gasolator fuel filter and bowl. Replenish brake fluid reservoir. Inspect cylinder drains for clogging or restriction. Perform Visual inspection of engine. Ground run, ops and leak check satisfactory. I certify that this powerplant has been inspected IAW a 50 hour inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:

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

DATE: 3/16/2010 SIGNED:  Work Order: 3409-03-2010
 Andrew Bougetz, A&P: 2856245 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: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13564-04-2010



Cirrus Design Factory Service Center

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

DATE: 4/22/2010
A/C TSN: 129.4
ENG TT: 129.4
FLIGHTTIME: 104.6

Engine Entries

(1) Performed Cirrus Design Corporation Demonstrator Care Program 100-Hour Inspection In Accordance With TCM Engine Maintenance Manual X30634A and Cirrus Design Corporation SR-22 Aircraft Maintenance Manual Chapter 05-20.... (4) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 78/80, #2 77/80, #3 78/80, #4 79/80, #5 79/80, #6 79/80, master orifice reading of 45, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3.... (5) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10. Next oil change due at Flight time of 154.6.... (6) Cleaned Spark-Plugs, Gapped, Rotated and Installed IAW TCM Maintenance Manual X30634A. (7) Cleaned Ignition High-Tension Leads and Inspected. Performed High-Tension Lead Test IAW TCM Ignition Manual X43001 Page 3-1.... (8) Performed magneto to engine timing inspection, no discrepancies noted on inspection, work performed IAW T.C.M. MM section 12.

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: 4/22/2010

SIGNED: *Nick Lacoursiere*

Nick Lacoursiere
Certified Repair Station No. YD5R855Y

Work Order: 13564-04-2010

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13707-07-2010



Cirrus Design Factory Service Center

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

DATE: 7/9/2010
A/C TSN: 152.2
ENG TT: 152.2
HOBBS: 186.7

Engine Entries

(6) 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.... (7) Complied with TAT S108-01 by cleaning crankcase oil discharge tube in LH tailpipe IAW Service instructions. Next due at 102.2 ft hrs.... (8) Complied with TAT SB09-01 by performing exhaust manifold inspection IAW SB instructions. No faults found. Next due at 102.2 ft hrs.... (9) Complied with TAT SB10-02 by Inspection IAW SB instructions. No faults found. Insp next due at 102.2 ft hrs or sooner if cowling removed for maintenance.... (10) Serviced induction air filter IAW TAT-S108-05 service instructions.

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

DATE: 7/9/2010

SIGNED: *Nick Lacoursiere*

Nick Lacoursiere
Certified Repair Station No. YD5R855Y

Work Order: 13707-07-2010

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13834-09-2010



Cirrus Design Factory Service Center

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

DATE: 9/13/2010
A/C TSN: 207.2
ENG TT: 207.2
FLIGHTTIME: 207.2

Engine Entries

(2) (FLT TIME: 207.2 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

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

DATE: 9/13/2010

SIGNED: *Joseph Sullivan*

Joseph Sullivan
Certified Repair Station No. YD5R855Y

Work Order: 13834-09-2010

Printed by EBis 3 (datcomedia.com)

Hrs.	Min.	Hrs.	Min.	Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
Flight Forward →				

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13863-09-2010

Cirrus Design Factory Service Center
Repair Station No YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438


DATE: 9/23/2010
A/C TSN: 229.4
ENG TT: 229.4
HOBBS: 279.9

Engine Entries

(9) Adjusted the engine driven fuel pump, aneroid adjuster screw, OUT (CCW) for an increase in fuel flow, IAW TAT 22-6460004 Continued Airworthiness Rev. A

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: 9/23/2010

SIGNED: 
Charles Bernu
Certified Repair Station No YD5R855Y

Work Order: 13863-09-2010
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13865-09-2010

Cirrus Design Factory Service Center
Repair Station No YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

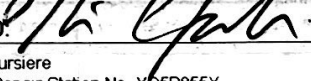
DATE: 9/27/2010
A/C TSN: 229.4
ENG TT: 229.4
HOBBS: 281.4

Engine Entries

(2) Removed and replaced engine driven fuel pump P/N ETI-SR22-2-12, S/N out: GP5223, S/N in: GP5405. All work completed IAW Cirrus 22-6460004. Continued Airworthiness. Operational leak check OK.

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: 9/27/2010

SIGNED: 
Nick Lacoursiere
Certified Repair Station No YD5R855Y

Work Order: 13865-09-2010
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
13890-10-2010

Cirrus Design Factory Service Center
Repair Station No YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3438

DATE: 10/11/2010
A/C TSN: 258.7
ENG TT: 258.7
HOBBS: 315.9

Engine Entries

(2) (FLT TIME: 258.7 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10. (6) C/W TAT SB10-02 REV A, by inspection of tailpipe brackets IAW SB Instructions. Next due @ FLT TIME: 308.7. (7) Visually inspected exhaust manifolds for cracks around the turbo mount flanges IAW TAT SB09-01. Next due @ FLT TIME: 308.7. (8) Cleaned out the crankcase breather discharge tube IAW TAT SI08-01 Rev A. Next due @ FLT TIME: 308.7.

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: 10/11/2010

SIGNED: 
Ross Sarkela
Certified Repair Station No YD5R855Y

Work Order: 13890-10-2010
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-N
ENGINE S/N: 691726
REG. NO: N347CP
WORK ORDER:
3781-11-2010

Twin Cities Aviation, Inc.
8891 Airport Rd #A-2
Blaine, Minnesota 55449 USA
Phone: 763-784-9185


DATE: 12/7/2010
A/C TSN: 273.9
ENG TT: 273.9
FLIGHTTIME: 273.9

Engine Entries

C/W a Annual Engine Inspection IAW Cirrus SR 22 MM and IG. AD's researched to date. Researched all Cirrus SB's date. Cleaned engine. Oil and filter was changed 19 hours ago at Hobbs:315.9 (not fit). Cleaned, inspected, gapped and tested spark plugs. Borescoped/leakdown tested cylinders IAW TCM service bulletin SB03-3, Compression, #1:70/80, #2:70/80, #3:71/80, #4:70/80, #5:72/80, #6:72/80. TCM min for day 46/80. Cleaned and re-charged air filter. External mag timing checked and adjusted to 22 deg BTDC +/- 1 degree. Tested all ignition leads. Operation found satisfactory. Checked control travels and lubed rod ends. Visually inspected and pressurized muffler assembly. No defects noted. Ground run, ops and leak check satisfactory. I certify that this Powerplant has been inspected IAW a Annual Inspection and was determined to be airworthy with respect to work performed at this date and time. The following discrepancies were addressed:—C/W a Annual Inspection, Tornado Alley Turbonormalizers, IAW Tornado Alley Instructions For Continued Airworthiness, New turbochargers, wastegates, cable, and exhaust parts were installed at engine replacement. I have inspected these turbonormalizers IAW an annual inspection and it was determined to be airworthy with respect to work performed at this date and time.—Drilled out sheared rivet on engine baffling, installed screw, washer, and nut.

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

DATE: 12/7/2010

SIGNED: 
Andrew Bougetz, IA: 2858245

Work Order: 3781-11-2010
Printed by EBis 3 (datcomedia.com)

Last Overhaul		Last Overhaul	
Hrs.	Min.	Hrs.	Min.

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

Bought For

ENGINE MODEL IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER
14136-03-2011



Cirrus Design Factory Service Center

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

DATE: 3/16/2011
A/C TSN: 293
ENG TT: 293
HOBBS: 357.3

Engine Entries

(2) (Flight time 293.0) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10

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

DATE: 3/16/2011

SIGNED: *[Signature]*

Work Order: 14136-03-2011

Peterson, Daniel J
Certified Repair Station No. YD5R855Y

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ENGINE MODEL IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER
14242-05-2011



Cirrus Design Factory Service Center

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

DATE: 5/14/2011
A/C TSN: 344
ENG TT: 344
HOBBS: 419.5

Engine Entries

(2) (FLT TIME: 344.0 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

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

DATE: 5/14/2011

SIGNED: *[Signature]*

Work Order: 14242-05-2011

Joseph Sullivan
Certified Repair Station No. YD5R855Y

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Date: 7/7/2011

N347CP

Tach: 399.5

Drained oil and cut open oil filter no debris found at this time refilled oil with 8qt of aeroshell 15W-50 oil and installed new oil filter P/N CH48108-1 wash down engine and test ran no leaks found at this time

[Signature]

Bruce Pernitza A&P266297329 IA

END

ENGINE MODEL:
IO-550-N 51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
14454-09-2011



Cirrus Design Factory Service Center

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

DATE: 9/15/2011
A/C TSN: 453.5
ENG TT: 453.5
HOBBS: 544.4

Engine Entries

(2) 12-10 Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.... (3) Adjusted oil pressure regulator to achieve 52psi oil pressure at operating temperature IAW CDC AMM 79-00. Function test and leak check satisfactory.

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

DATE: 9/15/2011

SIGNED: *[Signature]*

Work Order: 14454-09-2011

Tim O'Reilly
Certified Repair Station No. YD5R855Y

Printed by EBis 3 (datcomedia.com)

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

Engine Service and Maintenance Record

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

Forward →

ENGINE MODEL 10-550-N
51
ENGINE S/N 691726
REG NO: 347CP
WORK ORDER
14586-12-2011



Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone 218-788-3438

DATE 12/30/2011
A/C TSN 498 6
ENG TT 498 6
HOBBS 597

Engine Entries

- (4) Flight meter 498 6 - Performed engine Annual/100HR inspection IAW cirrus mm chapter 5-20 and 5-30
- (7) Researched ADs through bi-weekly issue 2011-26, all ADs are in compliance at this time
- (10) 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.
- (11) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows #1 64/80, #2 64/80, #3 60/80, #4 68/80, #5 71/80, #6 72/80, master orifice reading of 47, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3
- (15) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 5, leak checked good.
- (16) Performed fuel pressure setups IAW T.C.M. SID 97-3E and Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A
- (30) Removed and replaced brush block assembly p/n ALE-3045BS IAW manufactures recommendations, operational check good
- (31) Removed LH and RH magnetos p/n 10-500556-101, s/n's off D08AA262 and D08AA053 to send out for 500 hr inspection. Installed serviced magnetos p/n 10-500556-101S, s/n's on LH D09GA038, RH D09DA147 and timed IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A, operational check good.
- (38) Complied with Tornado Alley Instructions for continued airworthiness checklist
- (41) Removed and replaced gasket p/n 652100 at LH turbo oil inlet IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A, operational and leak check good
- (49) Removed and replaced LH and RH turbo V band clamps p/n 11-1100023 for 450 hr time change IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A
- (52) Replaced LH wastegate support bolt MS21250-05020 and adjusted spring IAW TAT drawing 22-6150011
- (59) Removed and replaced clevis pins in LH and RH wastegate linkage IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A
- (60) Adjusted fuel flow and manifold pressure IAW Tornado Alley Cirrus 22-6460004 Continued Airworthiness Rev. A (10 Apr 09), operational check good

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: 12/30/2011 SIGNED: *Joseph Sullivan* Work Order: 14586-12-2011
Joseph Sullivan Printed by EBis 3 (datcomedia.com)
Certified Repair Station No. YD5R855Y

ENGINE MODEL 10-550-N
51
ENGINE S/N 691726
REG NO: 347CP
WORK ORDER
14742-04-2012



Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone 218-788-3438

DATE: 5/2/2012
A/C TSN 544 6
ENG TT 544 6
HOBBS 649 6

Engine Entries

- (3) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.
- (22) Performed Scheduled Maintenance and Inspection Checks of TATI Turbonormalized System as required and I.A.W. TATI ICA 22-6460004 Rev C and applicable SB's.
- (30) Previously complied with Tornado Alley Service Bulletin - TAT SB11-05 install massive electrode spark plugs P/N RHB32E at 100 HR Inspection 12/28/11

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: 5/2/2012 SIGNED: *Dave Ruuskanen* Work Order: 14742-04-2012
Dave Ruuskanen Printed by EBis 3 (datcomedia.com)
Certified Repair Station No. YD5R855Y

Butler Aviation, Inc
211 AVIATION RD.
HOUMA, LA 70363
1.800.851.5737



DATE: 3/23/2012
AIRCRAFT: N347CP
SER. NO: 3044
HOBBS: 621.7
TACH: 519.5

■ REMOVED AND REPLACED OIL SENSOR PROBE, PN: MS28034-1
OPERATIONAL CHECK WAS GOOD, NO LEAKS NOTED

AUTHORIZED SIGNATURE *Theo Mills*
THEO MILLS A&P 3572974

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.	

ward

ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
14840-07-2012

Cirrus Design Factory Service Center

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

DATE: 7/11/2012
A/C TSN: 592.6
ENG TT: 592.6
HOBBS: 702.9

Engine Entries

- (7) (Flight Meter: 592.6) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10
- (9) Inspected, cleaned, re-gaped and rotated Spark Plugs in accordance with the manufacturers approved Instructions For Continued Airworthiness.
- (10) Performed functional check on the left and right magnetos IAW SR-22 AMM 5-30 with satisfactory results.
- (11) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 62/80, #2 54/80, #3 60/80, #4 66/80, #5 76/80, #6 70/80, master orifice reading of 45, work performed IAW T.C.M. MM
- (15) Checked air door for security, freedom of movement, and correct MFD annunciation, no defects found. Done IAW SR-22 AMM 71-60.
- (31) Removed and replaced R/H Ignition harness P/N 10-423674-33 IAW AMM 74-20. Ops check good.

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

DATE: 7/11/2012

SIGNED:



Work Order: 14840-07-2012

Bryan Handyside
Certified Repair Station No. YD5R855Y

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ENGINE MODEL: IO-550-N
51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER:
14966-10-2012

Cirrus Design Factory Service Center

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

DATE: 10/4/2012
A/C TSN: 650.5
ENG TT: 650.5
HOBBS: 766

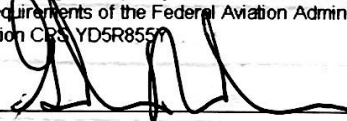
Engine Entries

- (2) (FLT TIME: 650.5 Hrs.) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.

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

DATE: 10/4/2012

SIGNED:



Work Order: 14966-10-2012

Glenn Nelson
Certified Repair Station No. YD5R855Y

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Date: 10-5-12
Tach/Hobbs: 771.0

N347CP

Midwest Aviation Services, Inc.

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

Removed Iskra starter p/n 656181E24V s/n 072540053, installed new starter p/n ES646275-1 s/n D031800, new packing p/n MS9021-038 ground ran engine, no defects noted this date. —END—

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this repair station under shop order 10453

SIGNATURE  for CRS MW8R657W

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: IO-550-N 51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER: 15327-05-2013



Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4514 Taylor Circle
Duluth, MN 55811
Phone: 218-788-3438

DATE: 5/16/2013
A/C TSN: 762.6
ENG TT: 762.6
HOBBS: 893.1

Engine Entries

(20) Performed Tornado Alley Turbo 50 Hr. engine inspection IAW TAT ICA 22-6460004 Rev. A and applicable SB's.
(25) Removed Alt 2: P/N 657199, S/N H-K100113. Installed Alt 2: P/N 657199, S/N H-N020315. All work accomplished IAW CDC AMM 24-30. Ops check good.

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: 5/16/2013

SIGNED: *Bryan Handyside*
Bryan Handyside
Certified Repair Station No. YD5R855Y

Work Order: 15327-05-2013

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ENGINE MODEL IO-550-N 51
ENGINE S/N: 691726
REG. NO: 347CP
WORK ORDER: 15377-06-2013

Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone: 218-788-3438

DATE: 8/15/2013
A/C TSN: 798.9
ENG TT: 798.9
FLIGHTTIME: 798.9

Engine Entries

- (3) (Flight meter 798.9) - Performed engine Annual inspection IAW cirrus mm chapter 5-20 and 5-30.
- (9) Changed engine oil and filter, Champion CH48108-1, P/N 50857-001. Serviced engine with 8 quarts of Aeroshell 15W-50 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-10.
- (11) Installed new Champion spark plugs 12 EA P/N RHB32E massive electrode Spark Plugs and gaskets. IAW T.C.M. MM section 12. Operational Check Good.
- (12) Performed magneto to engine timing inspection. Adjusted engine timing to 21.2 Degrees BTDC. Work performed IAW T.C.M. MM section 12.
- (13) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 52/80, #2 58/80, #3 58/80, #4 64/80, #5 58/80, #6 75/80, master orifice reading of 45, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3.
- (16) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 13. Leak check satisfactory.
- (25) Performed Scheduled Maintenance and Inspection Checks of TATI Turbo Normalized System as required and I.A.W. TATI ICA 22-6460004 Rev. C and applicable SB's.
- (33) Replaced R/H Exhaust Manifold P/N 22-6850003/ and R/H Exhaust Gaskets P/N 652458. IAW CDC AMM 78-10, and IAW Tornado Alley Turbo ICA 22-6060004 Rev A.
- (34) Replaced Exhaust tailpipe and waste gate dump tube. IAW TAT Instructions for Continued Airworthiness 22-6460004.
- (35) Replaced #6 Cylinder head heater probe. Tested Tanis heater system ops check good.
- (37) Removed chafed LH Cylinder Drain Lines and replaced with new P/N 643584. IAW CDC AMM 71-70, and adjusted position to prevent contact.
- (42) Installed new support rod bolt P/N ETI-G2-600-35, new wastegate support bolt P/N MS21250-05020, and replaced hanger bracket bushings IAW TAT Continued Airworthiness 22-6460004.
- (51) Researched Engine ADs through bi-weekly 2013-12, all ADs are in compliance at this time.
- (72) Installed Rebuilt Fuel Pump P/N ETI-SR22-2-12, 655243-2 1, S/N T19681. Completed Fuel Injection System Contamination Purge and Static Leak Check. Completed Fuel Pump set up. Test flight performed with satisfactory results. IAW. TAT I.C.A. 22-6460004, Rev. C.
- (76) Complied with TAT SB11-04 Cleaned both left and right FS-167 Screen/Valve Assembly's.
- (77) Completed TAT SI11-03 turbo system support rods and bolts. All work performed IAW CDC AMM 78-20, TATI 22-6460004 REV C.
- (78) Complied with Tornado Alley TAT SI11-01, Turbo system exhaust slip joint inspected and cleaned. Replaced left EXHAUST MANIFOLD P/N ETI-SR22-103-2G with new gaskets. Replaced LH & RH T.I.T. Probes with serviceable unit p/n ETI-G2-711-003. all work performed IAW TAT ICA 22-6460004 REV C. Ops check good.
- (79) Complied with TAT SB10-02, Revision B. Confirmed new style supplemental tailpipe hangers installed and not cracked IAW SB instructions.
- (80) Cleaned inspected oiled and reinstalled engine induction air filter IAW TATI SI08-05, Rev A.
- (81) Left Hand Tail Pipe cabin heat augmenter tested for leaks IAW TAT SI08-04 and found good. Right Hand Tail Pipe replaced with new pipe.
- (82) Inspected and Cleaned Crankcase Discharge Breather Tube IAW TAT SI08-01.
- (83) Complied with TAT SB09-01 and inspected for cracks around turbo mount flange on the left and right turbo chargers IAW TAT service bulletin instructions. Inspection due again at 848.9 hrs flight time or next oil change.
- (87) Blended damaged cooling fins on #3 cylinder aft of the top spark plug hole. IAW Teledyne continental Motors SB96-12 & standard practices.
- (88) Replaced Alt 1: P/N off ES-10024, S/N I033147. Installed servicable unit, PN 656802, S/N H-N050422. Performed ground run, no leaks found and function check satisfactory. All work accomplished IAW CDC AMM 24-10 and TCM Service Manual #X30531-3.
- (96) Replaced L/H side baffling P/N 22-5850005. Done IAW CDC AMM 71-00. & standard maintenance practices.

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: 8/15/2013

SIGNED: *Dan Trampush*
Dan Trampush
Certified Repair Station No. YD5R855Y

Work Order: 15377-06-2013

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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
10-6-13	837.6		837.6		Changed oil & filter Tempest # AA48108-2 8 Quarts Shell AeroShell 100W Plus Sent in Sample, Leak check PP John Kevin Parsons # 3375458
11-24-13	864.3		864.3		Ground Run up, Changed oil & Filter Tempest # AA48108-2 7 Quarts Shell AeroShell 100W plus, Sent in Sample, leak check PP John Kevin Parsons # 3375458
2-15-14	889.7		889.7		Changed oil & filter Tempest # AA48108-2 7 Quarts Shell AeroShell 100W 1 Pint Camguard Sent in Sample, leak check PP John Kevin Parsons # 3375458
3-7-14	919.1		919.1		Changed oil & filter Tempest # AA48108-2 5 qts AeroShell W100 1 Pint Camguard Sample sent to Blackstone leak check PP Steven S West # 3272600
4-14-14	950		950.0		Changed oil & filter Tempest # AA48108-2 5 qts AeroShell W100 1 pint Camguard Leakcheck engine on run-up Sample to Blackstone P Steven S. West # 3272600



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 5/15/2014 Work Order #: AMO5995 N#: N347CP
Aircraft Make/Model: Cirrus / SR-22 Serial #: 3044
Tach Meter: 948.0

Engine Log:

- Removed and reinstalled same Cylinder #2 after repair by G & N Aircraft, RS# MW2R020L under W/O# 70290 Per Continental IO-550-N Maintenance and Overhaul Manual. Adjusted Manifold pressure per Continental IO-550-N Maintenance and Overhaul Manual. Cleaned and gapped spark plugs. Installed new Gami Fuel injector to cylinder #2, P/N TIGT-550-19B, S/N 17382 (FAA-PMA).
- Installed same turbocharger P/N 466304-0003, S/N KKL00083 after overhaul by Main Turbo Systems, Inc., RS# MAMR190K under W.O.# 47599 to left side of engine per Continued Airworthiness Manual For Cirrus Design SR22 Series Airplanes Turbonormalized 22-6460004 Continued Airworthiness Rev. C. and Kelly Aerospace SB No. 23.
- Installed New Bolt P/N MS21250-05020 (C of C) to right side wastegate support bracket per ETI Drawing# 22-6150012 Rev E.

"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: [Signature] for CRS# IKBR028F

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 →					
6-30-14	992	5	992	5	Changed oil + Filter Tempest # AA451A82 5 qt's Aero Shell w/100 / 1 pint Comgard Leak check engine on Run up Sample to Blebstone John K Pensens # 3375458
8-4-2014	1010	1	1010	1	Changed oil + Filter Tempest # AA451A82 6 qt's Aero Shell w/100 / 1 pint Comgard Leak check engine on Run up Send Sample to Blebstone John K Pensens # 3375458

ENGINE MODEL:
ENGINE S/N:
REG. NO: N347CP
WORK ORDER:
1148-09-2014



Lone Mountain Aircraft Maintenance

2460 Greentree Road
Hangar 12
Lebanon, Ohio 45036
Phone: 888-566-3686

DATE: 9/11/2014
A/C TSN: 1201.8
ENG TT:
HOBSBS: 1027.7

Engine Entries

(2) Engine Annual Inspection... Complied with the engine annual inspection in accordance with the manufacturers maintenance manual. Cleaned, inspected, and gapped all spark plugs. Megged all ignition leads. Serviced engine oil and filter. Cut filter for inspection, no defects noted. Serviced engine with Phillips 20w50 mineral oil.... (4) Magnetos due 500 HR inspection.... Removed magnetos sent out for inspection and reinstalled and timed repaired magnetos.... (6) Performed compression check of cylinders and found the following; #1-42, #2-70, #3-48, #4-44, #5-39, #6-72. Master Orifice 44/80.... Removed and replaced #1 and #3 cylinders. Replacement cylinders were overhauled by Harrison Engine Service WO#'s 99038 and 99039. Complied with SID97-3F fuel flow and Tomado Alley fuel flow setup. Ground ran engine and all parameters within manufactures specifications.... (7) Hole in scat tubing running from R/H intercooler to heater.... Removed and replace scat tubing for R/H intercooler to heater.... (10) R/H mag P-Lead terminal wiring frayed just behind terminal end.... Removed and replaced P-lead terminal as required.... (11) Ceramic cracked on #3 lower spark plug.... Removed and replaced #3 lower spark plug.... (16) R/H waste gate support bracket is worn.... Removed and replaced R/H waste gate support bracket and installed new bushing in mating fixture.... (17) Tomado Alley Turbo SB09-01, SB10-01 and SB10-02 need to be verified for completion or inspected.... Verified that Tomado Alley Turbo SB09-01, SB10-01 and SB10-02 has been previously complied with or inspected.

This engine has been inspected in accordance with a 100/annual inspection in accordance with the manufacturers maintenance manual and current FAA regulations and has been determined to be in an airworthy condition. END

DATE: 9/11/2014

SIGNED:

Tony McBees, IA: 3248287

Work Order: 1148-09-2014

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ENGINE MODEL:
ENGINE S/N:
REG. NO: N347CP
WORK ORDER:
1153-09-2014



Lone Mountain Aircraft Maintenance

2460 Greentree Road
Hangar 12
Lebanon, Ohio 45036
Phone: 888-566-3686

DATE: 9/15/2014
A/C TSN: 1201.8
ENG TT:
HOBSBS: 1033

Engine Entries

(1) Customer reports low oil pressure at various RPM's.... Removed and replaced oil pressure sensor to verify that sensor was operating normally. Ran engine and still had lower than normal oil pressure. Reinstalled original oil pressure sensor. Believe mineral oil from cylinder change may be a cause of lower oil pressure due to less viscosity of the mineral oil. Advised to change oil and service with 100W.... (2) Oil change requested.... Changed oil and serviced with Aeroshell 100W and added Camgard. Installed Champion oil filter P/N CH48108-1. Cut open old filter and found no defects. Oil sample was taken and will be sent out for testing.

DATE: 9/15/2014

SIGNED:

Ryan Yenger, IA: 3669633 IA

Work Order: 1153-09-2014

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10-10-2014	10623	10623			CHANGED OIL + FILTER TEMPEST AA451A82 6 qt's Aeroshell w/100 + 1PT CAMGARD Paul Palmieri 170404 G
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Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

Brought Forward →					
1-2-2015	1095	6	1095	6	CHANGED OIL FILTER TEMPEST AA481A8-2 LOTS Aerobuff W100 + 1 PC. CAMSguard. Circus 170404 C



THE OHIO STATE UNIVERSITY AIRPORT
2160 West Case Road Hgr. 3
Columbus, Ohio 43235-2526
CRS# IKBR028F

Date: 02/18/15 Work Order #: AMO6409 NW: N347CP
Aircraft Make/Model: Cirrus / SR-22 Serial #: 3044
Tach Meter: 1127.3

Engine Log:

- Removed IO-550N51 S/N 691726 from SR-22 S/N 3044 Reg. # N347CP for maintenance due to case crack. 1127.3 tt, 1127.3 TT

"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: *[Handwritten Signature]* for CRS# IKBR028F

*Now Engine Log
OK 02/15/15*