Form 0637

ENGINE MODEL IO550N27B

SERIAL NUMBER 917434

PRESERVATION DATE 10-30-04

PRESERVATION EXPIRES 4-30-05

REPRESERVE ENGINE AFTER EXPIRATION

DATE NEW



Customer Copy

Form No. QA-85

Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Engine Component Information Sheet

Printed: 10/30/2004

Serial:	917434	**Assembled:**	10/29/2004
Spec:	I0550N27B	**Shipped:**	
New/Rebuilt:	(NEW)	**Packed:**	10/30/2004

Customer Name: CIRRUS DESIGN CORPORATION

Shipping Address:

Component	Serial Number
CAMSHAFT	Z04IA140
CRANKSHAFT	N04IA192
CRANKCASE	R04HA722
CONNROD	AE04IA055
CONNROD	AE04IA045
CONNROD	AE04IA564
CONNROD	AE04IA044
CONNROD	AE04IA049
CONNROD	AE04IA061
L MAGNETO	D04IA284
R MAGNETO	D04IA311
FUEL PUMP	B04IA191
MANIFOLD VALVE	C04IA195 P
NOZZLE SIZE	12E
METERING UNIT	A04IA178
STARTER	04 204 0128

Component	Serial Number
ALTERNATOR	004JA104
OIL COOLER	I04-2147-1317
CYLINDER-1	AC04JA444
CYLINDER - 2	AC04JA412
CYLINDER - 3	AC04HC299
CYLINDER - 4	AC04JA408
CYLINDER - 5	AC04JA429
CYLINDER - 6	AC04JB130
PSTN WGT	WJ

CM 63

Pack Inspection Stamp _____

All of the information provided herein is subject to verification by the user. Teledyne Continental Motors,Inc. makes no representation or warranty concerning the accuracy or completeness of the information and assumes no responsibility with respect thereto.

Aircraft Engine Test Verification

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

Engine Model IO550N27B

Engine Serial Number 917434-N

Testing Completed

Standard Acceptance Test:

Date of Completion 10-30-04 Test Operator TEST 10

CONTINENTAL ™

Teledyne Continental Motors, Inc.
A Teledyne Technologies Company

Form No 98344

ENGINE MODEL:
ENGINE S/N:
REG. NO: 881WD
WORK ORDER:
2724-12-2004

Cirrus Design Factory Service Center
Repair Station No. YD5R855Y
4515 Taylor Circle
Duluth, MN 55811
Phone: 218- 788-3101

DATE: 12/17/2004
A/C TSN
ENG TT
HOBBS: 16.4

Engine Entries

(1) 12-20 Changed engine oil and filter p/n 50857-001, serviced engine with 8 quarts of 20W50 mineral oil. Cut apart old filter, inspected old filter and drain plug for abnormalities, none found. Ran engine to perform operational and leak checks. Op's and leak checks good. All work was accomplished I.A.W. Cirrus SR22 A.M.M. 12-20.

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: 12/17/2004

SIGNED:

Jim Sarnoria
Certified Repair Station No. YD5R855Y

19 Jan 05	49.4				changed oil and filter. Serviced with phillips 20W50XC.
					oil filter pn CH48108-1. Run-up and leak checked ok.
					Returned to service. R. Fellows AEP 275443582.

Midwest Corporate Aviation.

Engine Log

N# 881WD S/N: 1215

Date: 06/02/05 HM: 94.6 AFTT: 94.6

- Complied with oil & filter change. Drained engine oil. Removed, cut, & inspected oil filter, no metal found. Installed & safetied new CH48108-1 filter. Reinstalled drain plug with new AN900-10 gasket. Serviced engine with 8 quarts Aeroshell 15W50. Performed ground run/leak check, no defects noted.

I certify that this aircraft was repaired / inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the maintenance are on file at this repair station under W/O # 22338

Randy W. Kavalier for Midwest Corporate Aviation, CRS# BVYR657C.

13 OCT 05	146.5				changed oil and filter. Serviced with 8 qts Aeroshell 15W50 and champion CH48108-1
					Run-up and leak check ok. R Sullivan A&P IA 2756435 82

Midwest Corporate Aviation.

Engine Log

N#: 881WD
Date: 12-12-2005

HM: 149.6

ENG TT: 149.6
S/N: 1215
ACTT: 149.6

C/W Annual/100Hr inspection IAW Cirrus SR22 Maintenance Manual Inspection Guide chap 5-10,5-20 and FAR 43appendix D.

- Compression test results #1 78/80, #2 78/80, #3 78/80, #4 77/80, #5 78/80, #6 78/80. Removed, cleaned, gapped, and rotated spark plugs. Removed cleaned, inspected and reinstalled main fuel screen. Checked left and right magneto timing. Removed and replaced induction air filter PN BA-24. Ground ran. Leak check and ops checks satisfactory.
- Tightened primer line "B" nut and removed fuel stains on LH side of engine.
- All routine and servicing lubrications performed.
- Ads checked thru this date, see compliance list.

I certify that this engine was repaired / inspected in accordance with an Annual/ 100HR inspection and was found to be in an airworthy condition. Pertinent details of the maintenance are on file at this repair station under W/O # 22680

_____ for Midwest Corporate Aviation, CRS# BVYR657C.

Midwest Corporate Aviation.

Engine Log

N#: 881WD Cirrus SR22 S/N: 1215
Date: 9-26-2006 HM: 199.8 TSN: 199.8

- Drained oil and removed filter, cut open and inspected for metal, none noted. Installed and safetied new P/N CH48108-1 oil filter and serviced engine with 8 qts. Aeroshell 15W-50 oil. IAW Cirrus MM Chap 12-20. Ground ran. Leak check and ops checks satisfactory.

I certify that this engine was repaired / inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the maintenance are on file at this repair station under W/O # 23111.

_____ for Midwest Corporate Aviation, CRS# BVYR657C.



ESN: 917434 **Engine Log** ENG TT: 204.8

N#: 881WD S/N: 1215

Date: 12-21-2006 ACTT: 204.8 HM: 204.8

Midwest Corporate Aviation.

- **C/W Annual inspection** IAW Cirrus SR22 Maintenance Manual Inspection Guide chap 5-10,5-20 and FAR 43appendix D.
- Drained oil and removed filter, cut open and inspected for metal, none noted. Installed and safetied new P/N CH48109 oil filter and serviced engine with 8 qts Aeroshell 15W50oil. Compression test results #1 77/80, #2 77/80, #3 76/80, #4 78/80, #5 78/80, #6 78/80. Removed, cleaned, gapped, and rotated spark plugs. Removed cleaned, inspected and reinstalled main fuel screen. Checked left and right magneto timing.
- Removed and replaced induction air filter PN BA-24.
- Adjusted idle speed and mixture IAW TCM IO-550-N OHM Chap 19. Ops checked normal on ground runs.
- Ground ran. Leak check and ops checks satisfactory.
- All routine and servicing lubrications performed.
- ADs checked thru this date, see compliance list.

I certify that this engine was repaired / inspected in accordance with an Annual inspection and was found to be in an airworthy condition. Pertinent details of the maintenance are on file at this repair station under W/O #23220

_____ for Midwest Corporate Aviation, CRS# BVYR657C.

Midwest Corporate Aviation.

Prop S/N: FP3338B | ***Engine Log*** | PROP TT: 224.6

N#: 881WD | S/N: 1215

Date: 1-21-2008 | HM: 224.6 | ACTT: 224.6

- **C/W Annual inspection** IAW Cirrus SR22 Maintenance Manual Inspection Guide chap 5-10, 5-20 and FAR 43appendix D.
- **C/W Compression checks**. Results are as follows: #1 70/80 #2 72/80 #3 71/80 #4 70/80 #5 70/80 #6 71/80.
- Drained engine oil. Removed oil filter, cut open and inspected for metallic particles. No defects noted. Installed new oil filter P/N CH48108-1. Serviced engine with Aeroshell 15W50 oil .Work done IAW Cirrus SR22 MM Chapter 12-00-00.
- Removed and replaced the induction air filter P/N BA-24.Work done IAW Cirrus SR22 MM Chapter 12-00.
- Ads checked thru this date, see compliance list.

I certify that this Propeller was repaired / inspected in accordance with an Annual inspection and was found to be in an airworthy condition. Pertinent details of the maintenance are on file at this repair station under W/O # 23866

JJ Cox for Midwest Corporate Aviation, CRS# BVYR657C.

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

Date: **01-22-2009**
Work Order: S6645
N881WD
Total Time: **250.1**
Hour Meter: **250.1**
TSNEW: **250.1**

ENGINE LOG

CIRRUS AIRCRAFT

Completed a 100 Hour Inspection with reference to Cirrus Maintenance Manual P/N 13773-001 and Inspection Guide. Compressions: #1 78/80; #2 79/80; #3 79/80; #4 78/80; #5 78/80; #6 79/80. Drained engine oil and replaced spin on filter with new P/N **CH48108-1**. Engine serviced engine with 8 quarts **Aeroshell 15W50**. Spark plugs were removed, cleaned, inspected, gap checked and re-installed. Magneto timing checked and timed to 22 BTDC. Pressure tested exhaust for leaks. Run up for leak and operational check was satisfactory. **All AD's complied with thru 2007-16-10.**

I certify that this Engine (TCM IO-550-N27 S/N 917434) has been inspected in accordance with a **100 Hour Inspection** and was determined to be in an Airworthy Condition.

Authorized Signature Daniel Orpin

Daniel Orpin / CRS Release Authority

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

Date: **07-22-2009**
Work Order: S6795
N881WD
Flight Time :
Hobbs Meter: **283.1**
Total time: **283.1**

ENGINE LOG

CIRRUS AIRCRAFT

Check engine compartment and baffle for cooling problem. Drained engine oil and serviced with 7 quarts AS W100. Run up for operational check of work performed was satisfactory.

Authorized Signature Justin L Richmond

Justin L Richmond / CRS Release Authority

WELLS
Aircraft, Inc.

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

Date: **08-27-2009**
Work Order: S6834
N881WD
Total Time: **339.1**
Hour Meter: **339.1**
TSNEW: **339.1**

ENGINE LOG

CIRRUS
AIRCRAFT

Drained engine oil, replaced spin on filter with new P/N CH48108-1. Serviced engine with 8 quarts AS 15W/50.
Run up for check of work performed was satisfactory.

Authorized Signature Justin L Richmond

Justin L Richmond / CRS Release Authority

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

Date: **10-27-2009**
Work Order: S6866
N881WD
Total Time: **386.6**
Hour Meter: **386.6**
TSNEW: **386.6**

ENGINE LOG

Drained engine oil and replaced spin on filter with new P/N **CH48108-1**. Engine serviced with 8 quarts **Aeroshell 15W50**. Run up for leak and operational check was satisfactory.

Authorized Signature

Daniel Orpin / CRS Release Authority

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

Date: **01-27-2010**
Work Order: S6878
N881WD S/N 1215

Flight Time: **414.8**
TTSN: **414.8**

ENGINE LOG

Completed a 100 Hour Inspection with reference to Cirrus Maintenance Manual **P/N 13773-001 Rev A3** and Inspection Guide. Compressions: **#1-75/80, #2-77/80, #3-76/80, #4-77/80, #5-74/80, #6-76/80**. Drained engine oil and replaced spin on filter with new **P/N CH48108-1**. Engine serviced engine with 8 quarts **AS 15W50**. Run up for leak and operational check was satisfactory. Found **AD 2009-24-52E & 2009-16-03** N/A by date of manufacture and serial number. **All AD's complied with thru 2009-24-52E.**

I certify that this Engine (**TCM IO-550-N(50) S/N 917434**) has been inspected in accordance with a **100 Hour Inspection** and was determined to be in an Airworthy Condition.

Authorized Signature: _____

Daniel Orpin / CRS Release Authority



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

Date: **06-03-2010**
Work Order: S6984
N881WD
Hour Meter: 463.4
TSNEW: 463.4

ENGINE LOG



Drained engine oil and replaced spin on filter with new **P/N CH48108-1**. Engine serviced with 8 quarts **Aeroshell 15W50**. Run up for leak and operational check was satisfactory.

Authorized Signature

Daniel Orpin / CRS Release Authority

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

Date: **11-02-2010**
Work Order: S7111
N881WD
Hour Meter: 611.7

ENGINE LOG

CIRRUS AIRCRAFT

Drained engine oil, installed new **CH48108-1** spin on oil filter, serviced engine with 8 Qts **AS80W** oil. Run up for leak and operational check was satisfactory.

Authorized Signature

Daniel Orpin / CRS Release Authority

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

Date: **08-02-2010**
Work Order: S7043
N881WD
Hour Meter: 512.7
TSNEW: 512.7

ENGINE LOG

CIRRUS AIRCRAFT

Drained engine oil and replaced spin on filter with new **P/N CH48108-1**. Engine serviced with 7 quarts **Aeroshell 15W50**. Run up for leak and operational check was satisfactory.

Authorized Signature _____

Daniel Orpin / CRS Release Authority

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

Date: **09-28-2010**
Work Order: S7078
N881WD
Hour Meter: 567.5

ENGINE LOG

CIRRUS AIRCRAFT

Drained engine oil and replaced spin on filter with new **P/N CH48108-1**. Engine serviced with 7 quarts **Aeroshell 15W50**. Run up for leak and operational check was satisfactory.

Authorized Signature _____
Daniel Orpin / CRS Release Authority

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

Date: **01-03-2011**
Work Order: S7137
N881WD
Hour Meter: 671.7

ENGINE LOG

Drained engine oil, installed new **CH48108-1** spin on oil filter, serviced engine with 8 Qts **AS80W** oil. Run up for leak and operational check was satisfactory.

Authorized Signature _____

Daniel Orpin / CRS Release Authority

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

Date: **02-04-2011**
Work Order: S7147
N881WD S/N 1215

Flight Time: **681.8**
TTSN: **681.8**

ENGINE LOG

CIRRUS AIRCRAFT

Completed a 100 Hour Inspection with reference to Cirrus Maintenance Manual **P/N 13773-001 Rev A3** and Inspection Guide. Compressions: **#1-76/80, #2-77/80, #3-76/80, #4-76/80, #5-76/80, #6-76/80**. M/O 70/80 Installed new Fwd Engine baffle **P/N 15480-002**. Installed new Gascolator O Ring **P/N MS29513-137**. Replace #2 & #6 CHT probe knife splices. Installed new cracked #4 fuel injector **P/N 657068-4236**. Run up for leak and operational check was satisfactory. All mandatory Service Bulletins complied with to date. C/W **AD 2010-11-04** N/A no lifters replace post June 19th, 2009. **All AD's complied with thru 2010-11-04**.

I certify that this Engine (**TCM IO-550-N(50) S/N 917434**) has been inspected in accordance with a **100 Hour Inspection** and was determined to be in an Airworthy Condition.

Authorized Signature: Daniel Orpin

Daniel Orpin / CRS Release Authority

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

Date: **09-12-2011**
Work Order: S7330
N881WD
Hour Meter: 867.5

ENGINE LOG

CIRRUS AIRCRAFT

Drained engine oil, installed new **CH48108-1** spin on oil filter, serviced engine with 7 Qts **AS100W** oil. Run up for leak and operational check was satisfactory.

Authorized Signature John M. Bierens

John M. Bierens / CRS Release Authority

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

Date: **11-07-2011**
Work Order: S7361
N881WD S/N 1215
Hour Meter: 917.2

ENGINE LOG

CIRRUS AIRCRAFT

Drained engine oil, installed new **CH48108-1** spin on oil filter, serviced engine with 7 Qts **AS80W** oil. Lubricated throttle, prop governor and mixture cables. Cleaned all spark plugs and checked compressions. Run up for leak and operational check was satisfactory.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature Chad J. Koehn

Chad Koehn IA/CRS Release Authority

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800 AIRPORT ROAD
MUNICIPAL AIRPORT
HUTCHINSON, KS 67501-1953
CRS NT2R043L
(620)663-1546
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Date: **12-09-2011**
Work Order: S7385
N881WD S/N 1215
Hour Meter: 951.5

ENGINE LOG

Installed overhauled starter adapter **P/N 642083A12, S/N 48958** and new starter **P/N 657596, S/N 4C3-32112** . Run up for leak and operational check was satisfactory.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature Chad J. Kochn

Chad J. Kochn IA/CRS Release Authority

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

Date: **12-27-2011**
Work Order: S7389
N881WD S/N 1215
Hour Meter: 966.3

ENGINE LOG

Drained engine oil, installed new **CH48108-1** spin on oil filter, serviced engine with 8 Qts **AS80W** oil. Run up for leak and operational check was satisfactory.

I have reviewed the file on this aircraft and the accompanying forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repair/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair/inspection are on file at this Certified Repair Station CRS NT2R043L.

Authorized Signature Chad J. Koehn

Chad Koehn IA/CRS Release Authority

ENGINE MODEL: IO550N
ENGINE S/N: 917434
REG. NO: 881WD
WORK ORDER:
14643-01-2012



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

DATE: 3/8/2012
A/C TSN: 986.6
ENG TT: 986.6
HOBBS: 986.6

Engine Entries

(4) Performed Engine Annual/100 Hour Inspection IAW AMM ch. 5-20, researched airworthiness directives through bi-weekly issue 2012-04 all AD's are in compliance at this time.
(7) 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.
(10) Performed engine cylinder compression and boroscope inspections, no discrepancies noted on boroscope inspection, compressions are as follows: #1 (66/80), #2 (70/80), #3 (68/80), #4 (70/80), #5 (66/80), #6 (70/80), master orifice reading of 46 psi, work performed IAW T.C.M. MM section 19, and T.C.M. S.B. 03-3.
(11) Inspected, cleaned, re-gaped Spark Pluges and rotated in accordance with the manufacturers approved Instructions For Continued Airworthiness.
(12) Removed and replaced left and right Magnetos P/N 10-500556-1S, LH S/N D05JA252R RH S/N D05DA090R. Retimed mags to 22 deg. BTDC. IAW. TCM. MM. section 12 OPS check good.
(14) Removed, cleaned, inspected, and reinstalled fuel injection nozzles IAW T.C.M. MM section 5
(44) Complied with Functional Inspection of Fuel Injection System in accordance with TCM Service Information Directive 97-3E.
(50) Installed original repaired oil cooler P/N 654585, S/N 104-2147-1317 IAW SR-22 AMM chapter 79-20.OPS and leak check good.
(63) Adjusted fuel flow IAW TCM SID 97-3E. OPS and leak check good.
(127) I certify that this engine has been inspected in accordance with an Annual/100 HR inspection 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: 3/8/2012 SIGNED:

Dave Ruuskanen
Certified Repair Station No. YD5R855Y

Printed by EBis 3 (datcomedia.com)

Airpower

HOBBS 1028.4
TOTAL 1028.4
TSOH -------
DATE 9/11/12

AIRCRAFT MAINTENANCE & REPAIR
FALCON FIELD – MESA, AZ

REG # 881WD
A/C # 22-1215

RUN ENGINE TO TEMP. DRAIN OIL AND REPLACE OIL FILTER. SEND SAMPLE OF OIL FOR ANALYSIS. REFILL ENGINE WITH 7 QUARTS AEROSHELL 15 W 50 ENGINE OIL. PS TEST AND LEAK CHECK. ENGINE INSPECTED IN ACCRDANCE WITH A 50 HOUR INSPECTION.

Bruce Taylor A/P: 3514310

LANDMARK AVIATION

14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N881WD Date: April 4, 2013

Model: Cirrus SR22 SN: 1215

ACTT: 1073.9 HOBBS: 1073.9

IO-550-N (42) SN: 917434 ETT: 1073.9

ENGINE LOG ENTRY

Replaced the #6 fuel injector p/n 652312-12E with serviceable one.

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. C29-13-01166**

Landmark Aviation **FAA CRS# LN3R663L**

LANDMARK
AVIATION
14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N881WD Date: April 4, 2013
Model: Cirrus SR22 SN: 1215
ACTT: 1073.9 HOBBS: 1073.9
IO-550-N (42) SN: 917434 ETT: 1073.9

ENGINE LOG ENTRY

Accomplished 50 / 100 hour inspection in accordance with the Cirrus recommendations and TCM 50/100 hour inspection items.

Compression check at 80psi:

#1/70 #2/70 #3/65 #4/70 #5/70 #6/70

Drained engine oil, removed oil filter, cut open, inspected, no anomalies noted, installed new filter PN: CH48108-1 and serviced engine with 8 qts of AeroShell 15W-50. Ran engine, leak checked. No problems noted.

I certify that this **ENGINE** has been inspected in accordance with a **100 HOUR** inspection and was found to be in an Airworthy Condition **W.O. C29-13-01166**

Landmark Aviation **FAA CRS# LN3R663L**

LANDMARK AVIATION

14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N881WD Date: November 21, 2013

Model: Cirrus SR22 SN: 1215

ACTT: 1118.8

IO-550-N (42) SN: 917434 ETT: 1118.8

ENGINE LOG ENTRY

Drained engine oil, Took SOAP, removed oil filter, cut open, inspected, no anomalies noted, installed new filter PN: CH48108-1 and serviced engine with 8 qts of AeroShell 15W-50. 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. C29-13-01251**

Landmark Aviation **FAA CRS# LN3R663L**

LANDMARK AVIATION

14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N881WD Date: April 8, 2014

Model: Cirrus SR22 SN: 1215

ACTT: 1147.1 HOBBS: 1147.1

IO-550-N (42) SN: 917434 ETT: 1147.1

ENGINE LOG ENTRY

Accomplished 50 / 100 hour inspection in accordance with the Cirrus recommendations and TCM 50/100 hour inspection items.

Compression check at 80psi:

#1/75 #2/68 #3/65 #4/75 #5/65 #6/75

Drained engine oil, removed oil filter, cut open, inspected, no anomalies noted, Took SOAP. installed new filter PN: CH48108-1 and serviced engine with 8 qts of AeroShell 15W-50. Ran engine, leak checked. No problems noted.

Cleaned #4 CHT Connector. Operational check was good IAW Cirrus SR22 MM 76-10

I certify that this **ENGINE** has been inspected in accordance with a **100 HOUR** inspection and was found to be in an Airworthy Condition **W.O. C29-14-01298**

Landmark Aviation **FAA CRS# LN3R663L**

Engine Logbookentry for N88(WD.

Hobbs = 1212.8 28 May 2014

Drained oil & serviced with 8 qts. of Aeroshell 80 mineral oil. Installed new AA48108-2 oil filter. Run up and leak checks were normal.

Brian L. Fleker

AP3671341

Engine Logbook entry for N881WD

21 July 2014, S/N-1215, Hour Meter =1241.5

Drained oil and serviced with 7 qts of Aeroshell 15W50. Installed new AA 48108-2 oil filter Run up and leak check was normal.

Brian S. Fisher

Brian S. Fisher AP 3671341

ENGINE MODEL:
ENGINE S/N:
REG. NO: N881WD
WORK ORDER:
1156-09-2014



Lone Mountain Aircraft Maintenance
2460 Greentree Road
Hangar 12
Lebanon, Ohio 45036
Phone: 888-566-3686

DATE: 9/18/2014
A/C TSN:
ENG TT:
HOBBS: 1280.1

Engine Entries

(1) #3 CHT Probe erratic.... Removed and replaced #3 CHT Probe.... (2) #2 CHT temperature high.... Removed and replaced Customer provided #2 CHT probe. Cleaned fuel injector. Removed spark plugs and cleaned and gapped. Tested spark plugs for proper spark under compressed air, no defects noted. Borescoped cylinder and found no defects. Megged ignition leads, no defects. Ran engine at various RPM's and found no fluctuation in cylinder temperature.... (3) Customer request oil and filter change.... Changed oil and filter.Cut open filter element to inspect and found no defects. Serviced engine with Aeroshell 15W50 and installed Champion oil filter CH48108-1. Oil sample was taken for testing. Leak check good, no defects noted.... (4) Customer request #3 cylinder fuel injector to be cleaned.... Removed inspected and cleaned #3 cylinder fuel injector. Reinstalled injector and test ran, no defects noted.

DATE: 9/18/2014 SIGNED:

Ryan Yengst, IA: 3669633 IA

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Engine Logbook entry for N881WD

M/N IO-550-N(27), S/N 917434

11 Dec. 2014, S/N-1215, Hour Meter =1315.1

Installed Tanis heater P/N TSP6CYL-2927-115, S/N 48972 per STC AML SE03309CH. Installation accomplished in accordance with Tanis instruction – preheat installation Document number TNP2927 Revision D, dated 19 May 2014. See airframe logbook this date for additional details.

Brian S. Fisher AP3671341

U.S Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft

Nationality and Registration Mark	Serial No.	
N881WD	1215	
Make	**Model**	**Series**
Cirrus	SR22	

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
Dera Aviation LLC	Address 15085 Timberwood Lane City Minster State Ohio Zip 45865 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☐	AIRFRAME	———	*(As described in Item 1 above)*	———
☐	☒	POWERPLANT	Continental	IO-550-N (27)	917434
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency			
Name Brian S. Fisher	☒	U.S. Certificated Mechanic	☐	Manufacturer
Address 4817 Vine St.	☐	Foreign Certificated Mechanic	C. Certificate No.	
City Huntsville State Ohio	☐	Certificated Repair Station	AP3671341	
Zip 43324 Country USA	☐	Certificated Maintenance Organization		

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual

Brian S. Fisher 11 Dec 2014

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY							
☐	FAA Flt Standards Inspector	☐	Manufacturer	☐	Maintenance Organization	☐	Person Approved by Canadian Department of Transport
☐	FAA Designee	☐	Repair Station	☒	Inspection Authorization	Other *(Specify)*	

Certificate or Designation No. AP3671341IA

Signature/Date of Authorized Individual

Brian S. Fisher 11 Dec 2014

FAA Form 337 (10-06)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N881WD — Nationality and Registration Mark

11 December 2014 — Date

Installed Tanis heater P/N TSP6CYL-2927-115, S/N 48972 per STC AML SE03309CH. Installation accomplished in accordance with Tanis instruction – preheat installation Document number TNP2927 Revision D, dated 19 May 2014. Updated aircraft weight and balance data and equipment list to reflect above Installation. System to be maintained in accordance with Instructions for Continued Airworthiness Tanis document number TICA2927 Revision C, dated 18 Apr 2014 or later revision. System to be operated in accordance with Tanis Operating Guide document number TPG0001 Revision F, dated 11 April 2014 or later revision.

End of Entry

☐ Additional Sheets Are Attached

ENGINE MODEL:
ENGINE S/N:
REG. NO: N881WD
WORK ORDER:
1268-04-2015

Lone Mountain Aircraft Maintenance

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

DATE: 6/1/2015
A/C TSN:
ENG TT:
HOBBS: 1280.1

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 Aeroshell 15W50 oil.... (7) Engine borescope and compression test required.... Compression check are as follows #1-54,#2-60,#3-58,#4-49,#5-58,#6-73, master orifice 45/80. Borescope inspection revealed no defects.... (15) Ceramic on #2 lower spark plug is cracked.... Removed and replaced #2 lower spark plug.... (22) Oil dipstick gasket worn requiring replacement.... Replaced oil dipstick gasket.... (24) SID97-3F fuel flow setup to adjust fuel flows at low and high RPM settings.... C/W SID97-3F fuel flow setup to adjust fuel flows at low and high RPM settings.... (27) Fuel injector nozzles are of different P/N and not all the same, recommend tuned injector nozzles be installed.... Removed injectors and replaced with continental tuned injectors.

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: 6/1/2015 SIGNED:

Ryan Yenger, IA: 3669633

Work Order: 1268-04-2015

Engine Logbook entry for N881WD

M/N IO-550-N(27), S/N 917434

27 Dec. 2015, S/N-1215, Hour Meter =1390.7

Drained oil and serviced with 7 quarts of Aeroshell 15W-50. Installed new Tempest oil filter AA48108-2. Work accomplished IAW Cirrus SR-22 AMM (12-10 (2)(b)). Run up and leak check were satisfactory.

Wade AP3483846

Wade Born AP3483846

ENGINE MODEL:
ENGINE S/N:
REG. NO: N881WD
WORK ORDER:
1431-06-2016

Lone Mountain Aircraft Maintenance

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

DATE: 7/8/2016
A/C TSN:
ENG TT:
HOBBS: 1444.9

Engine Entries

(2) Cylinder compressions read as follows #1 61/80, #2 67/80, #3 58/80, #4 58/80, #5 64/80, #6 70/80 master orifice 44/80.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 Aeroshell 15W50 oil.... (5) Magnetos were removed for 500 hour inspection and serviceable used magnetos were installed. Timed both magnetos to 22 degrees before top dead center. Magnetos installed P/N BL-500556-1/S6RSC-25 S/N for R/H D13CA179R, L/H D13CA178R.Ran engine and ops checked with no defects noted. Next 500 hour inspection due at 1944.9 Hrs.... (8) Removed and replaced #4 CHT probe.... (9) Removed and replaced #4 EGT probe, #5 EGT Probe, #5 CHT Probe. Ran engine and verified all probes to be working and accurate.... (10) Adjusted oil pressure up.... (11) Adjusted Idle RPM to 850.... (12) Installed Air Wolf air/oil separator per MFG.instructions .... (17) Removed, cleaned, and reinstalled fuel injectors.... (20) Removed and replaced #4 and #6 lower and #1, #3, and #6 upper spark plugs.... (21) Removed and replaced #1 alternator mounting gasket.

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: 7/8/2016 SIGNED:

Ryan Yenger, IA: 3669633

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HOVEY'S Aviation

Date: 28 December 2016
Model: IO-550-N
Total Time: 1492.2
Make: TCM

N#: N881WD
Serial #: 917434
Hour Meter: 1492.2
Cycles:

1. Drained oil, took oil sample, replaced oil filter. Cut open and examined old filter.
2. Serviced with 8 qts Aeroshell 15W-50 oil.
3. Ground run up and leak checked. None noted.

George Hovey
A&P 3346850 IA

ENGINE MODEL:
ENGINE S/N:
REG. NO: N881WD
WORK ORDER:
1563-07-2017

Lone Mountain Aircraft Maintenance

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

DATE: 7/19/2017
A/C TSN:
ENG TT:
HOBBS: 1516.5

Engine Entries

(2) 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 20W50XC oil.... (4) C/W SB M89-9 crankcase pressure test and found that crankcase pressure is well within limits at 3 psi.... (7) Compression check as follows; #1-62, #2-63, #3-74, #4-47, #5-66, #6-69, Master orifice 47/80. Borescope inspection revealed no visual damage.... (11) Removed and replaced #3 lower spark plug.... (19) Removed and replaced #5 CHT probe.... (20) Adjusted oil pressure down 5-10 psi.

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: 7/19/2017 SIGNED:

Ryan Yenger, IA: 3669633

Work Order: 1563-07-2017

ENGINE MODEL: IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 30569-10-2017

Commander Aero, Inc.

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

DATE: 10/30/2017
A/C TSN: 1542.6
ENG TT: 1542.6
HOBBS: 1542.6

Engine Entries

(2) Checked Engine Cylinder Compressions for pre-buy inspection- 1) 60/80; 2) 60/80; 3) 68/80; 4) 60/80; 5) 56/80; 6) 54/80.... (3) Took Blackstone Oil Sample - P/N OSK-BS and sent off for evaluation.... (5) Replaced cracked spinner baffling P/N 15480-002 and stop drilled crack on RH side of baffle near cylinder #5 top spark plug.

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 N881WD 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. 30569-10-2017

DATE: 10/30/2017 SIGNED: Roger Romero Work Order: 30569-10-2017

Romero, Roger
Certified Repair Station No. GA5R-876M

N881WD engine ACTT: 1563.1 ETSN: 1563.1 11/20/17

Installed engine driven fuel pump P/N 655921-3A1 S/N B04LA158 IAW TCM IO 550 overhaul manual 10-2.3. FAA form 8130-3 on file under wo# IO513-0000 at CRS 9KPR369B consolidated Fuel Systems Inc. Performed static and dynamic performance and leak check of fuel system. Changed engine oil and filter CH48108-1. Examined filter and determined no abnormalities. Serviced engine with 8 qts XL20W50 oil. Washed engine and compartment. Performed ground run and leak check with no discrepancy noted.

Ricky E. Townsend A7P4888436461A

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	CFS I0513-0000

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Consolidated Fuel Systems, Inc 1240 Springwood Church Road Gibsonville, NC 27249	I0513-0000

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	FUEL PUMP	655921-3A1	1	B04LA158	OVERHAUL

12. Remarks:

OVERHAULED IN ACCORDANCE WITH TCM FORM X30593A RELEASE 5/87
COMPLETE DETAILS HELD ON FILE IN REFERENCE JOB ORDER ABOVE.

CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 11/12 WAS CARRIED OUT IAW EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE FOR WORK PERFORMED UNDER EASA ACCEPTANCE CERTIFICATE NUMBER EASA.145.6193.

13a. Certifies the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. Non-approved design data specified in Block 12.		14a. [X] 14 CFR 43.9 Return to Service [X] Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: 9KPR369B
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Ernesto S. Garcia Jr.	14e. Date (dd/mmm/yyyy): 14/Jun/2017

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

NSN: 0052-00-012-9005

Purchased from Quality 1V Tulsa ok.

N881WD engine **Hourmeter: 1589.9** **TSO: 1589.9 12/14/17**

Complied with adjustment of fuel injection system IAW TCM SID 97-3E. Performed ground run and adjusted IAW instructions contained within the directive. Metered and unmetered fuel pressures are within the specified range.

Ricky E. Townsend A&P488843646IA

N881WD engine **hourmeter: 1592.6** **TSO: 1592.6 12/18/17**

Disassembled oil pressure relief valve and reassembled with new MS35769-26 copper gasket and new X1473 copper washer. Adjusted oil pressure IAW TCM IO-550N overhaul manual 6-3.10.1. Performed ground run and leak check with no discrepancy noted.

Ricky E. Townsend A&P488843646IA

1617.5	2	12	18		Installed new door seal P/N 52010-009. Pilot side. New CHT probe P/N 16578-001 to cylinder. Kyle E. Jones A&P 4884364 6 IA
1617.5 TSN	2	12	18		Changed Oil and Filter CH48108-1 Serviced w/ 8 qts XC 20W50. Run + Leak Check good. Examined filter. No abnormalities. Kyle Lutz A&P 4884364 6 IA

AvLab AVIATION LABORATORIES
Products. Support. Reliability.

910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

BLUE SKY AVIATION OF NWA LLC
Attn: RICK TOWNSEND
#1 WEST MORSANI DR

ROGERS AR 72756
United States

Aircraft: SR22
S/N: 1215
Tail No.: N881WP

Date: 2/21/2018
Engine S/N: 917434
Engine Model: CONT. 550

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE

SAMPLE APPEARS NORMAL. Send next sample at normal interval.

Normal | Elevated | High

Sample Date: 2/12/2018
Analysis Date: 2/15/2018
Sample Number: P122
Cylinder Type: steel

TSN/TSO: 1617.5
Oil Hours: 54.4
Filter Hours: 54.4
Oil Added:
Filter Wt. (mgs):
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
70.4 (53.7)	9.7 (5.9)	21.0 (11.3)	8.8 (7.9)	N/A	N/A	4.8 (7.8)	5791 (5858)	4.2 (5.0)	N/A	< 0.1 (0.1)	N/A

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:										
Type:										
Form:										

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.

PREVIOUS SAMPLE 1

** SEE LAB COMMENTS **

Normal | Elevated | High

Sample Date: 11/4/2011
Analysis Date: 1/6/2012
Sample Number: P201
Cylinder Type: steel

TSN/TSO: 916.9
Oil Hours: 50
Filter Hours: 50
Oil Added: 4
Filter Wt. (mgs):
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
86.0 (54.2)	5.4 (5.5)	32.0 (11.1)	10.1 (7.8)	N/A	N/A	4.4 (7.0)	4222 (5752)	3.1 (4.9)	N/A	< 0.1 (0.1)	N/A

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:										
Type:										
Form:										

Comments: NOTE NICKEL VALUE SEEMS ELEVATED. PLEASE CONTACT THE ENGINE MANUFACTURER'S SERVICE REP FOR FURTHER ASSISTANCE. WE WILL CONTINUE TO MONITOR WEAR METAL TREND ON YOUR NEXT SAMPLE.

PREVIOUS SAMPLE 2

** SEE LAB COMMENTS **

Normal | Elevated | High

Sample Date: 9/12/2011
Analysis Date: 10/4/2011
Sample Number: P136
Cylinder Type: steel

TSN/TSO: 867.5
Oil Hours: 50
Filter Hours: 50
Oil Added: 4
Filter Wt. (mgs):
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
90.7 (54.0)	4.4 (5.5)	26.6 (11.1)	8.5 (8.0)	N/A	N/A	6.1 (6.9)	5720 (5798)	3.1 (4.9)	N/A	< 0.1 (0.1)	N/A

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:										
Type:										
Form:										

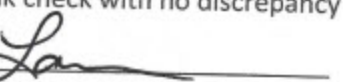
N881WD engine TSN:1683.8 ACTT: 1683.8 8/20/18

Complied with 100 hour/Annual inspection items IAW SR22/SR22T Scheduled inspection report. Changed oil and filter CH48108-1. Examined filter for contaminants and determined no abnormalities. Serial No.[1) AC18EA990 2) ....982 3) ...082 4) ...962 5)...972 6)...966 Serviced engine with 8 qts AS100 mineral oil for cylinder break in. **Installed 6 new TCM cylinders P/N 658595A2BP**. (Balanced Pistons). Researched AD's and determined all that apply are complied with to date. I certify that this engine has been inspected IAW an Annual Inspection and is determined to be airworthy and approved for return to service.

Ricky E. Townsend A&P488843646IA

N881WD **engine** **TSN: 1696.1** **8/30/18**

Replaced crankshaft seal with new TCM 641250. Installed propeller with new C3317-228 o ring. Performed ground run and leak check with no discrepancy noted.

Levi Lawson A&P2920384 

N188WD engine **Hours:1717.5** **10/18/18**

Changed engine oil and filter CH48108-1. Examined filter and determined no abnormalities. Determined cylinder break in established. Serviced with 8 qts XC20W50 ashless dispersant oil. Washed engine and compartment. Replaced oil cap seal with new P/N 642892 gasket. Performed ground run and leak check good.

Ricky E. Townsend A&P488843646IA

N881WD **TSN: 1769.0** **TSTOH:51.5** **1/11/19**

Changed engine oil and filter. Examined filter for contaminants and determined no abnormalities. Serviced with 8 qts XC20W50. Washed engine and compartment. Performed ground run and leak check good. Oil analysis sample taken. Ref AVLAB report.

Levi Lawson A&P2920384 

N881WD engine hourmeter: 1816.1 TSON:1816.1 TSTO:98.6 10/7/19

Complied with 100 hour/annual inspection items per SR22 scheduled inspection report. Changed oil and filter. Examined filter and determined no abnormalities. Compressions: 1)72 2) 64 3)69 4)69 5)69 6)70. Installed new URHB32E spark plugs in all cylinders. Adjusted idle fuel pressure. Researched AD's and determined compliance to date. I certify that this engine has been inspected IAW an Annual Inspection and is determined to be airworthy at this time.

Ricky E. Townsend a&P488843646IA

N881WD engine **Hourmeter: 1876.9** **2/7/20**

Changed engine oil and filter. Examined filter for contaminants and determined no abnormalities. Serviced with 8 qts 20W50 and washed engine and compartment. Performed ground run and leak check good.

Ricky E. Townsend A&P488843646IA

N881WD R6 [redacted] TSN:1879.6 HM: 1879.6 TSTO:162.1 4/17/20

Removed start adapter P/N 642083A12 S/N 172109 and installed in overhauled condition. Ref. FAA form 8130-3 on file under wo# 058977 at Quality Aircraft Accessories CRS QYIR334Y.
Removed Fuel flow divider P/N 646433-3 and installed exchange unit in overhauled condition. Ref FAA Form 8130-3 filed under wo# 062675 at Quality Aircraft Accessories CRS QYIR334Y.

Ricky E. Townsend A&P488843646IA

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	QAA# 058977

4. Organization Name and Address:

Quality Aircraft Accessories Inc. (QYIR334Y)
5746 East Apache
Tulsa, OK 74115
Phone: 1-877-833-6948
918-835-6948
Fax: 918-835-2804

5. Work Order/Contract/Invoice Number: 058977

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	STARTER ADAPTER	642083A12	1	172109	OVERHAULED

12. Remarks:

EXCHANGE

OVERHAULED IN ACCORDANCE WITH APPROVED RSM; RS-022019, REVISION: IR, 02/20/2019

RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE FURNISHED ON REQUEST

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

13a. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

14a. ☒ **14 CFR 43.9 Return to Service** ☐ **Other regulation specified in Block 12**

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
		Earnest Hargrove	QYIR334Y
13d. Name (Typed or Printed):	**13e. Date (dd/mmm/yyyy):**	**14d. Name (Typed or Printed):**	**14e. Date (dd/mmm/yyyy):**
		EARNEST HARGROVE	20/DEC/2019

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	QAA# 062675

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
Quality Aircraft Accessories Inc. (QYIR334Y) **5746 East Apache** **Tulsa, OK 74115** **Phone: 1-877-833-6948** **918-835-6948** **Fax: 918-835-2804**	062675

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	FUEL MANIFOLD	646433-3	1	C12HA181	OVERHAULED

12. Remarks:

EXCHANGE

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

RECORDS OF WORK PERFORMED ARE MAINTAINED ON FILE AND WILL BE FURNISHED ON REQUEST

MANUAL: QAA1000, REV 2, 05/20/12

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.			
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: **QYIR334Y**
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Kevin Wilson	14e. Date (dd/mmm/yyyy): 24/MAR/2020

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

N881WD engine **TSN: 1927.5** **6/24/20**

Changed engine oil and filter CH48108-1. Examined filter for contaminants and determined no abnormalities. Serviced with 8 qts XC20W50. Washed engine and compartment. Performed ground run and leak check with no discrepancy noted.

Ricky E. Townsend A&P488843646IA 

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0789

Dedicated Aircraft Work

698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 11/21/2020
A/C TSN: 1945
ENG TT: 1945
HOBBS: 1945

Engine Entries

Removed the magnetos P/N BL-500556-1 L/H S/N D13CA178R and R/H S/N D13CA179R for outside repair. Aircraft Ignition Services, LLC. on work order 4899 and 4900 dated 10/14/2020.... Cleaned the fuel injectors.... Checked the fuel system in accordance with the engine maintenance and overhaul manual.... Complied with AD 2020-16-11 effective 09/20/2020 in accordance with CAT MSB 18-08 Rev. B.... Adjusted the takeoff fuel flow. Adjusted the engine idle and idle mixture.... Replaced the forward cam cover gasket P/N 653415.... Replaced one intake tube clamp P/N AN737TW82.... Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2020-23.... The engine compressions were checked with the following results: #1 70/80, #2 61/80, #3 72/80, #4 72/80, #5 60/80, #6 60/80. Master orifice 44/80.... Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camguard.... Installed new starter P/N PL13484 S/N 2000138.

I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.

DATE: 11/21/2020 SIGNED:

Isaiah Daw, A&P: 2594100

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL:
ENGINE S/N:
REG. NO: N881WD
WORK ORDER:
6065-03-2021

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 3/30/2021
A/C TSN: 1975.2
ENG TT: 1975.2
HOBBS: 1975.2

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6065-03-2021.

DATE: 3/30/2021 SIGNED:

Cuong Chung, A&P: 4341411

Work Order: 6065-03-2021

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0840

698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 8/19/2021
A/C TSN: 2009
ENG TT: 2009
HOBBS: 2009

Engine Entries

Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camguard.

DATE: 8/19/2021 SIGNED:  Work Order: 0840

Isaiah Daw, A&P: 2594100

ENGINE MODEL
IO-550-N (27)

DATE: 10/21/2021
A/C TSN: 2036.3
ENG TT: 2036.3
HOBBS: 2036.3

Engine Entries

Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camguard.

DATE: 10/21/2021 SIGNED:

Scott Hall, Commercial Pilot: 3762833

ENGINE MODEL:
IO550N(27)
ENGINE S/N: 917434
REG. NO: 881WD
WORK ORDER: 4512

CHUCK'S AIRCRAFT LLC

Chuck's Aircraft, LLC.

6200 Aviation Dr. AC101
Austin Executive Airport
Pflugerville, TX 78660
Phone: 512-610-3111

DATE: 11/24/2021
A/C TSN: 2047.4
ENG TT: 2047.4
TSMOH:
HOBBS: 2047.4

Engine Entries

Compressions: #1 58/80, #2 60/80, #3 50/80, #4 66/80, #5 70/80, #6 47/80, M.O.=45 , all found satisfactory per CMI,M-0. Checked magneto timing per data plate and CMI,M-0. Drained oil and replaced filter, opened old filter for inspection, no debris noted. Collected Blackstone sample and sent for analysis. Serviced with 7 qt's Aeroshell 100W oil and Camguard. Cleaned, gapped, and rotated spark plugs, replaced gaskets. Pressure checked exhaust system and heat exchanger, no defects noted.Pressue checked engine bay fuel system, no leaks noted. Ran up, checked for leaks, none noted. Performance satisfactory.... Set up fuel system and RPM settings per M-0 .... Adjusted oil pressure up to match 55 psi @ 2500 RPM while 180 degrees Fahrenheit.

Technicians Who Worked On The Items Listed Above:
Byron Sanford, Colin Gangi, Reagan Penniman

I certify this engine has been inspected in accordance with a 100 hour inspection and was found to be in airworthy condition.

DATE: 11/24/2021 SIGNED:

Colin Gangi, A&P: 4213181

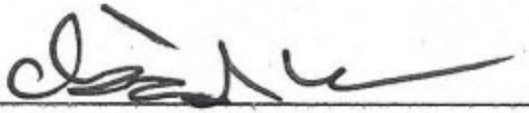
ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0866

Dedicated Aircraft Work
698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 12/2/2021
A/C TSN: 2050.8
ENG TT: 2050.8
HOBBS: 2050.8

Engine Entries

Adjusted the engine idle and idle mixture.... Adjusted the engine oil pressure.

DATE: 12/2/2021 SIGNED:  Work Order: 0866

Isaiah Daw, A&P: 2594100

ENGINE LOGBOOK ENTRY

02/23/2022 NN881WD Tach: 2074.9

Changed oil and filter. Serviced with 8 quarts Aeroshell 100W. 1 pint of Camgaurd and CH48108-1 filter. Washed, ran up and leak checked. Troubleshoot #1 alternator. All systems on the alternator check good.

This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected 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 Order 24334. I certify that this engine has been inspected in accordance with an) 50 hour inspection and was determined to be in an airworthy condition.

Signed: _____
signature of authorized representative

RWA INSP 03 YWYR832L

Rite-Way Aviation, Inc.
Repair Station YWYR832L
7814 Eagle Lane, Spring, TX 77379

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0897

Dedicated Aircraft Work
698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 5/4/2022
A/C TSN: 2102.8
ENG TT: 2102.8
HOBBS: 2102.8

Engine Entries

Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camguard.

DATE: 5/4/2022

SIGNED: 

Work Order: 0897

Isaiah Daw, A&P: 2594100

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0905

Dedicated Aircraft Work
698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 6/15/2022
A/C TSN: 2112.7
ENG TT: 2112.7
HOBBS: 2112.7

Engine Entries

Installed new alternator drive coupling P/N 646655.

DATE: 6/15/2022 SIGNED:  Work Order: 0905

Isaiah Daw, A&P: 2594100

Engine Logbook Entry

Registration: N881WD

G&G Aviation Services
10200 Dorbandt Dr. #23D
Conroe, Tx 77303

MAKE-TCM
S/N-917434

Modle-IO-550N
Hoobs-2119.9

Make-Cirrus
Model-SR22
Serial-1215

1. Removed air conditioning belt and drive unit.
2. Installed Serviceable unit S/N-FP2696B, From fixed Wing Aviation.
3. Performed run-up and checked for leaks and proper operation, no defetcs noted

I certify that all work was done in accordance with FAA regulations and approved maintenance manual. This airframe was found to be in an airwothy condition, and is approved for return to service with respect to work performed this date.**********END**********

Date-8-4-2022

Authorized Signature

Gary Barber
A&P 3723248 IA

Engine Logbook Entry

G&G Aviation Services
10200 Dorbandt Dr. #23D
Conroe, Tx 77303

MAKE-TCM
S/N-917434

Modle-IO-550N
Hobbs-2130.4

Registration: N881WD
Make-Cirrus
Model-SR22
Serial-1215

1. Repaired #6 EGT plug broken wire.
2. Repaired main alternator positive wire, connector burn't.
3. Drained oil, removed filter. Opened filter and checked for contaminants, none found. Serviced engine with 8 qts Aeroshell W-100 oil with cam guard and AA48108-2 filter, oil sample taken this date.
4. Performed run-up and checked for leaks and proper operation, no defetcs noted

I certify that all work was done in accordance with FAA regulations and approved maintenance manual. This airframe was found to be in an airwothy condition, and is approved for return to service with respect to work performed this date.**********END**********

Date-9-29-2022

Authorized Signature

Gary Barber
A&P 3723248 IA

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 0912

698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 4/2/2023
A/C TSN: 2146.6
ENG TT: 2146.6
HOBBS: 2146.6

Engine Entries

Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide Researched AD's through biweekly release 2023-06.... The engine compressions were checked with the following results: #1 54/80, #2 60/80, #3 56/80, #4 62/80, #5 54/80, #6 64/80. Master orifice 44/80.... Drained oil and took oil sample for analysis by Blackstone Laboratories. Removed filter, cut open and inspected. Installed new AA48108-2 filter and serviced with 7 quarts of AeroShell W100 and Camgaurd.... Adjusted the take off fuel flow, adjusted the engine idle and idle mixture.... Replaced the #1 intake tube coupling P/N 654439-2..... Replaced the #1/3 inner cylinder baffle P/N 656130.... Replaced the #4 upper ignition lead spring.... AD 2023-02-12 effective 02/17/2023 is not applicable, effected parts not installed at this time.... AD 2023-05-16 effective 03/15/2023 is not applicable to the engine serial number.

I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.

DATE: 4/2/2023 SIGNED: Work Order: 0912

Isaiah Daw, A&P: 2594100

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6464-05-2023

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 5/8/2023
A/C TSN: 2155.9
ENG TT: 2155.9
HOBBS: 2155.9

Engine Entries

Checked fuel set up and found unmetered fuel pressure very low; 5 psi at 600 rpm idle rise to 150 rpm. Adjusted unmetered fuel pressure to 8.5 psi at 600 idle rise to 40 rpm. Adjusted max fuel flow to 28 gph IAW Standard Practice Maintenance Manual M-0.... Timed LH and RH magnetos to 22.0 degrees BTC.... Removed #3 fuel injector, cleaned and reinstalled using new o-ring P/n AS3578-010. Leak check and function check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6464-05-2023.

DATE: 5/8/2023 SIGNED:

Holden Zigrang, A&P: 4264538

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6471-05-2023

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

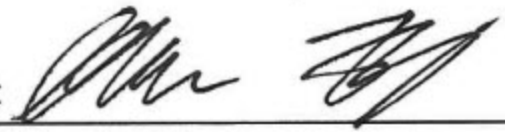
DATE: 5/18/2023
A/C TSN: 2157.2
ENG TT: 2157.2
HOBBS: 2157.2

Engine Entries

Installed (12) new spark plugs P/n URHB32E. Function check satisfactory.... Removed #5 fuel injector, inspected, cleaned and reinstalled with new o-ring P/n AS3578-010. Function and leak check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6471-05-2023.

DATE: 5/18/2023 SIGNED:  Work Order: 6471-05-2023

Holden Zigrang, A&P: 4264538

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6493-06-2023

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 7/12/2023
A/C TSN: 2162.1
ENG TT: 2162.1
HOBBS: 2162.1

Engine Entries

Removed and cleaned all fuel injectors. Re-installed fuel injectors in their designated positions using (6) new o-rings P/n AS3578-010. Function check satisfactory.... Removed fuel pump P/n 655921-3A1, S/N 804LA158, and installed fuel pump P/n 655921-3A1, S/N B09IA080, overhauled by Great Planes Fuel Metering, Inc., CRS No.1GPR022B, under W/O: 22-679. Tested and adjusted per Continental Aerospace Technologies M-0 and inspected and tested Continuous Flow Fuel Injection system per Continental Aerospace Technologies M-16. Function check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6493-06-2023.

DATE: 7/12/2023 SIGNED:

Work Order: 6493-06-2023

Holden Zigrang, A&P: 4264538

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6519-08-2023

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 8/16/2023
A/C TSN: 2173.5
ENG TT: 2173.5
HOBBS: 2173.5

Engine Entries

Removed (6) Continental fuel nozzles P/n 652312-12E, and installed General Aviation Modifications, Inc. GAMIjectors Kit No. TIGT550-12E, S/N 32027, STC No. SE09963SC. PMA No. PQ821SW, per GAMIjectors Installation Procedure No. IP-2001-01 (Rev NC), dated 25 May 2001. See FAA Form 337 this date. No change in weight or balance. Operational check satisfactory.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6519-08-2023.

DATE: 8/16/2023 SIGNED:

Holden Zigrang, A&P: 4264538

Work Order: 6519-08-2023

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6530-08-2023

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 8/25/2023
A/C TSN: 2178.5
ENG TT: 2178.5
HOBBS: 2178.5

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6530-08-2023.

DATE: 8/25/2023 SIGNED:

Benny Mai, A&P: 4657721

Work Order: 6530-08-2023

ENGINE MODEL:
IO-550-N (27)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER: 1012

698 CR 1143
Tyler, TX 75704
Phone: 972-834-2476

DATE: 11/30/2023
A/C TSN: 2195.3
ENG TT: 2195.3
HOBBS: 2195.3

Engine Entries

Reinstalled the mechanical fuel pump, flow divider and throttle body after bench check performed by Mike's Aircraft Fuel Metering on work order 33161. Cleaned the fuel injectors and installed with new seals. Adjusted the fuel system as required.

DATE: 11/30/2023 SIGNED: Work Order: 1012

Isaiah Daw, A&P: 2594100

ENGINE MODEL: IO-550N
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6646-02-2024

Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 2/28/2024
A/C TSN: 2210.8
ENG TT: 2210.8
HOBBS: 2210.8

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.... Installed new oil drain valve P/n S6250.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6646-02-2024.

DATE: 2/28/2024 SIGNED:

Holden Zigrang, A&P: 4264538

Work Order: 6646-02-2024

ENGINE MODEL:
IO-550N(27B)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6678-04-2024

Houston Aviation Center, LLC

12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 6/17/2024
A/C TSN: 2217.1
ENG TT: 2217.1
HOBBS: 2217.1

Engine Entries

Completed a 100 HR/Annual Inspection this date Ref CDC SR22 AMM 5-20 & Continental Aerospace Technologies Standard Practices M-0. Performed a cylinder compression check Ref. TCM SB03-3, using differential compression tester with a calibrated orifice value of 46 PSI with results as follows: #1/56, #2/64, #3/64, #4/69,#5/58,#6/62 over 80 PSI. Removed and cleaned all fuel injectors nozzles. Reinstalled fuel injectors using new o-rings P/n AS3578-010. Purged system and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per Continental Aerospace Technologies M-16. Inspected intake and exhaust system for leaks. Checked magneto timing. Cleaned, gapped and tested spark plugs. Checked ADs thru BW 2024-12. Failure of Spot-Welded, Multi-Segmented V-Band Couplings AD 2023-09-09 (Amendment 39-22432) is N/A by Engine is not turbocharged nor equipped with affected parts. F&M or Stratus Oil Filter Adapter Fiber Gasket AD 2023-17-04 (Amendment 39-22530), Replaces AD 2022-04-04 (Amendment 39-21945) and is N/A by engine is not modified per STC nor equipped with affected parts.... Adjusted RH magneto timing to 22 degrees BTC.... Installed new #1, 3 and 5 exhaust push rod seals P/n 630286, (3) new lock tabs P/n 501868, (3) new housing o-rings and (3) new rocker cover gaskets P/n 668893. Leak check satisfactory.... Installed new #2 and #6 exhaust rocker gaskets and new #1 intake rocker gasket P/n 668893, IAW Continental Service Bulletin SIL21-04B. Leak check satisfactory.... Installed (2) washers P/n NAS1149F0363P on bolt securing inter-cylinder baffle between cylinders #1 & 3.... I certify that this Engine has been inspected in accordance with a 100 HR/Annual Inspection and was determined to be in Airworthy condition.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6678-04-2024.

DATE: 6/17/2024 SIGNED: Work Order: 6678-04-2024

Fouad Hussain, A&P: 3204861 IA

ENGINE MODEL:
IO-550N(27B)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6719-08-2024

Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 9/13/2024
A/C TSN: 2235
ENG TT: 2235
HOBBS: 2235

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6719-08-2024.

DATE: 9/13/2024 SIGNED: Work Order: 6719-08-2024

Holden Zigrang, A&P: 4264538

ENGINE MODEL:
IO-550N(27B)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
6826-03-2025

Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 3/25/2025
A/C TSN: 2266.2
ENG TT: 2266.2
HOBBS: 2266.2

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 6826-03-2025.

DATE: 3/25/2025 SIGNED: Work Order: 6826-03-2025

Joseph Wiley Harrison, A&P: 4941368

MAKE: Cirrus
MODEL: SR22
S/N: 1215
REG. NO: N881WD
ENGINE MN: IO-550-N (27)
ENGINE SN: 917434

Dedicated Aircraft Work
698 CR 1143
Tyler, TX 75704

W/O #: 1115
DATE: 06-17-2025
Hobbs: 2269.5
ENG TT: 2269.5

Entries

Performed engine 100HR/annual inspection in accordance with FAR 43 Appendix D using the Cirrus AMM 5-20 and 5-30 as a guide. Researched AD's through biweekly release 2025-11.... The engine compressions were checked with the following results: #1 56/80, #2 62/80, #3 63/80, #4 70/80, #5 58/80, #6 54/80. Master orifice 46/80.... Removed filter, cut open and inspected. Installed new P/N AA48108-2 filter.... Adjusted the engine idle and idle mixture.... Replaced the #2 alternator engine drive seal P/N 25102 using new gaskets as required.... Replaced the engine fuel feed lines P/N AE3660001E0070, AE3660061E0106 and AE3660121E0140.

I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.

DATE: 06-17-2025 SIGNED: WORK ORDER: 1115

Isaiah Daw
A&P or IA Number: 2594100

ENGINE MODEL:
IO-550N(27B)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
7020-04-2026

Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 4/8/2026
A/C TSN: 2287.9
ENG TT: 2287.9
HOBBS: 2287.9

Engine Entries

Drained oil and inspected oil filter for contaminants (Blackstone sample taken). Installed new oil filter P/n AA48108-2 and serviced engine with 7 qts. Aeroshell W100 and Camguard. Ran engine and checked for leaks.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 7020-04-2026.

DATE: 4/8/2026 SIGNED: Cindy Le Work Order: 7020-04-2026

Cindy Le, A&P: 5002188

ENGINE MODEL:
IO-550N(27B)
ENGINE S/N: 917434
REG. NO: N881WD
WORK ORDER:
7049-05-2026

Houston Aviation Center, LLC
12888 Hwy 6 S Ste 113
Sugar Land, TX 77498 USA
Phone: 281-494-5800

DATE: 7/16/2026
A/C TSN: 2295.1
ENG TT: 2295.1
HOBBS: 2295.1

Engine Entries

Completed a 100 HR/Annual Inspection this date Ref CDC SR22 AMM 5-20 & Continental Aerospace Technologies Standard Practices M-0. Performed a cylinder compression check Ref. TCM SB03-3, using differential compression tester with a calibrated orifice value of 46 PSI with results as follows: #1/56, #2/62, #3/72, #4/65,#5/60, #6/70 over 80 PSI. Inspected oil filter for contaminants. Installed new oil filter P/n AA48108-2 and added 1 Qt. Aeroshell W100 (7 Qts. indicated on stick). Removed and cleaned all fuel injectors nozzles. Reinstalled fuel injectors using new o-rings P/n AS3578-010. Purged system and checked for leaks. Inspected and tested Continuous Flow Fuel Injection system per Continental Aerospace Technologies M-16. Inspected intake and exhaust system for leaks. Checked magneto timing. Cleaned, gapped and tested spark plugs. Checked ADs thru BW 2026-14.... I certify that this Engine has been inspected in accordance with a 100 HR/Annual Inspection and was determined to be in Airworthy condition.

Maintenance Release

The aircraft and/or component(s) on N881WD was repaired and/or inspected in accordance with current requirements of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at Houston Aviation Center, LLC under Work Order No. 7049-05-2026.

DATE: 7/16/2026 SIGNED: Work Order: 7049-05-2026

Fouad Hussain, A&P: 3204861 IA

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