

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**ENGINE  
MAINTENANCE  
RECORDS**

# ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. 313 SR

Engine Manufacturer Teledyne CONTINENTAL

Model IO 550 N 47B

Serial No. 689730

Date installed on aircraft 05/2006

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |



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www.adlog.com  
PO BOX 1359 / SOUTHOLD, NY 11971-0965  
(631) 765-9375  
1-800-235-6444  
FAX: (631) 765-9359

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SERVICE	OVERHAUL	TIME

**TOTALS** brought forward from previous page

**North East Aero**

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

**Cirrus Design SR22 N313SR S/N 1978**

**Hobbs Time: 499.8 Flight Hobbs: 371.4**

**S/N: 689730**

**24, April 2009**

**TCM IO-550N**

1. Completed Annual Inspection IAW Cirrus Design 100hr/Annual Inspection checklist and Teledyne Continental Motors service manual.
2. Ran engine and recorded cylinder compressions: 1) 76/80 2) 75/80 3) 71/80 4) 70/80 5) 74/80 6) 72/80
3. Drained oil, retained sample for analysis, removed oil filter (P/N: CH48108) cut and inspected with no contamination noted. Installed new filter, safety wired and added 8qts Aeroshell 15W-50 oil.
4. Cleaned, gapped and rotated all spark plugs as required.
5. Drained and inspected gascolator with no contamination noted.
6. Inspected all oil lines and fittings.
7. Adjusted magneto to engine timing as required.
8. Removed and replaced starter boot with new. (P/N: MS25171-4S)
9. Removed and replaced induction air filter element with new (P/N: BA-24).
10. Completed AD list and complied with all outstanding AD's as required. Reference AD list dated 04/09.

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

*James T. Markey 31668721A* 

ENGINE MODEL:  
IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER:  
04844-04-2009



**US Flight Aircraft Maintenance**

136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088

DATE: 18 May, 2009  
A/C TSN: 504.3  
ENG TT: 374.2  
FLIGHTTIME: 374.2

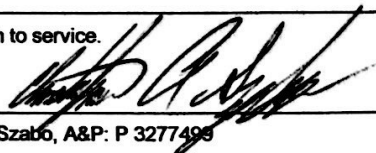
**Engine Entries**

(1) Performed visual inspection of cylinders IAW TCM SID 97-2B. Found cyl #1 piston to be severely pitted. Further inspection and disassembly required as per TCM.... (2) Removed cyl #1 pn: 655932A3 sn: AC06BA102 from engine for inspection. Upon inspection, determined cylinder unairworthy due to hard particle passage through the cylinder. All work performed IAW TCM IO-550-N Overhaul Manual CH:15-1A.... (3) Disassembled induction tubes and inspected for signs of hard particle passage through the induction system, no defects noted. Reassembled induction assembly and torqued to spec. All work performed IAW TCM IO-550-N MM.... (4) Drained engine oil, filtered through screen, and performed visual inspection of oil for any debris, no debris noted. Removed oil filter, cut open, and performed visual inspection for any debris, no debris noted. Installed, torqued, and secured new AA48108 oil filter, and serviced engine with 8 Qts Phillips X/C 20w-50 oil.... (5) Installed new piston pn: 654857 with new ringset pn: 654716 on connecting rod with new piston pin pn: SA630046. Installed new cylinder & valve assembly pn: 655932A4 sn: AC09AB098 and secured. Resecured exhaust system and baffles. Performed ground functional check of work performed, no defects noted. All work performed IAW TCM IO-550-N Maintenance Manual CH:19-34.... (6) Removed cyl #1 connecting rod pn: 655911 from engine and sent out for repair. Conn rod repaired by Pine Mountain Aviation LLC, reference w/o: 1265. Conn rod reinstalled in engine and torqued to spec as per TCM SB96-7C, Torque Limits. All work performed IAW TCM IO-550-N Overhaul Manual.

I certify that this engine has been approved for return to service.

DATE: 18 May, 2009

SIGNED:



Christopher A Szabo, A&P: P 3277498

Work Order: 04844-04-2009

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**SUB-TOTALS** this page



DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

ENGINE MODEL:  
IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER:  
04891-05-2009

**US Flight Aircraft Maintenance**  
136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088


DATE: 18 May, 2009  
A/C TSN: 505.8  
ENG TT: 374.2  
FLIGHTTIME: 374.4

**Engine Entries**

(1) Removed engine cowl, and cyl #1 spark plugs. Found cyl #1 bottom plug fouled with carbon. Cleaned, gapped, and visually inspected sparkplug, no defects noted, reinstalled sparkplug with new P1003-100 gasket. Performed ground functional check of work performed, no defects noted. All work performed IAW TCM IO-550-N MM.

I certify that this engine has been approved for return to service.

DATE: 18 May, 2009

SIGNED:   
Christopher A Szabo, A&P: P 3277499

Work Order: 04891-05-2009

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ENGINE MODEL:  
IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER:  
05638-04-2010

**US Flight Aircraft Maintenance**  
136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088

DATE: 27 April, 2010  
A/C TSN: 562.8  
ENG TT: 562.8  
FLIGHTTIME: 420.8

**Engine Entries**

(2) Mailed obtained sample for analysis to Aviation Laboratories.... (4) Tighten oil pressure transducer to proper torque. Ran A/C and monitored for leaks. None found.... (5) Removed ALT#1 due to oil leak. P/N 649804 S/N 0060A007. Installed Quality Aircraft FAA QYIR334Y Track# 62255 OH P/N 646843 S/N 007BA101. All work performed IAW Cirrus SR-22 AMM 24-30. Performed ground functional checks found good.... (6) Removed prop, cleaned corrosion on exterior crank shaft between prop flange and engine case. Applied primer on surface and painted. Secured prop IAW Cirrus AMM 61-10.... (10) C/W TCM SID 96-3E Perform procedures and specification for adjustment of Teledyne Continental Motors continuous flow fuel injection systems.... (11) Removed Brackett air filter BA-111. Installed Challenger filter CPE1178 in accordance with STCSA01669CH. See form 337 for details.... (15) Cleaned Fuel injectors IAW TCM SB-06-1A. Performed satisfactory ground functional checks.

I certify that this engine has been approved for return to service.

DATE: 27 April, 2010

SIGNED:   
Bernard Paquette, IA: 445400371A

Work Order: 05638-04-2010

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ENGINE MODEL: IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER: 05637-04-2010

**US Flight Aircraft Maintenance**  
136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088

DATE: 27 April, 2010  
A/C TSN: 562.8  
ENG TT: 562.8  
FLIGHTTIME: 420.8

**Engine Entries**

2 Engine inspected using Cirrus SR-22 Aircraft 100hr/Annual maintenance manual inspection checklist, Performed satisfactory pre-inspection run up IAW CDC SR-22 AMM 5-30. Performed cyl dif press test; results as follows, # 1)78, #2)76, # 3)75, #4)75, #5) 76, #6) 77. Drained engine oil, removed and cut open filter. No abnormal debris noted. Secured new AA48108-2 filter and serviced engine with 8 Qts Phillips X/C 20/50 oil. Cleaned rotated and secured spark plugs. Performed satisfactory ground functional checks. I CERTIFY THIS ENGINE HAS BEEN INSPECTED with an ANNUAL inspection checklist CDC SR-22AMM 5-20, and IAW TCM FORM NO. X30634A ch5-8 AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

I certify that this engine has been approved for return to service.

DATE: 27 April, 2010

SIGNED:   
Bernard Paquette, IA: 445400371A

Work Order: 05637-04-2010

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SUB-TOTALS this page

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

ENGINE MODEL: IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER: 06614-05-2011

**US Flight Aircraft Maintenance**

136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088

DATE: 02 June, 2011  
A/C TSN: 598.7  
ENG TT: 448.3  
TSMOH:  
FLIGHTTIME: 448.3

**Engine Entries**

- 1 NO MANIFOLD PRESSURE READING DURING GROUND RUN RPM BELOW 1800 AND @ FULL POWER MAP READS ONLY 4.8 INCHES HG.... Trouble shot and found failed MAP sensor; replaced sensor with new P/N 12835-001 IAW Cirrus SR-22 AMM 77-10. Performed satisfactory ground functional checks.
  - 3 FUEL INJECTOR NOZZLES SERVICE DUE EA 300 HRS OR ANNUALLY PER CIRRUS SR-22 AMM 5-20 CHECKLIST; TCM IO-550-N 300HR MM REQUIREMENTS WHICH CONSTITUTES THAT BE DONE EVERY ANNUAL. CHAP. 5-4... Serviced and secured nozzles per TCM SB# 96-7C.
  - 31 #6 EXHAUST, #1 EXHAUST ROCKER BOX COVER GASKETS WORN AND LEAKING OIL.... Tightened all rocker box cover screws on #6, IAW TCM SB 96-7C.
- Run engine leak checks airworthy.
- 35 REPLACE ALL SPARK PLUGS ON ENGINE.... Replaced 12 spark plugs P/N URHB32E.

The work performed has been approved for return to service.

DATE: 02 June, 2011

SIGNED:

Bernard Paquette, A&P: 44540037IA

Work Order: 06614-05-2011

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ENGINE MODEL:  
IO-550-N42  
ENGINE S/N: 689730  
REG. NO: N313SR  
WORK ORDER:  
06624-05-2011



**US Flight Aircraft Maintenance**

136 Tower Rd  
White Plains, NY 10604  
Phone: 914-288-8088

DATE: 02 June, 2011  
A/C TSN: 598.7  
ENG TT: 448.3  
TSMOH:  
FLIGHTTIME: 448.3

**Engine Entries**

(2) C/W CIRRUS AIRCRAFT 100HR/ANNUAL INSPECTION OF ENGINE.... Engine Inspected using Cirrus SR-22 Aircraft 100hr/Annual maintenance manual inspection checklist, Performed satisfactory pre-inspection run up IAW CDC SR-22 AMM 5-30.

Performed cylinder differential pressure test; results as follows, # 1)77, #2)76, # 3)76, #4)75, #5) 74, #6) 77.

Drained engine oil, removed and cut open filter. No abnormal debris noted.

Secured new AA48108-2 filter and serviced engine with 8 Qts Phillips X/C 20/50 oil.

Secured new spark plugs.

Performed satisfactory ground functional checks. AD's & MSB's ck thru 5-30-11.

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection checklist CDC SR-22AMM 5-20, and IAW TCM FORM NO. X30634A ch5-8 and has been determined to be in airworthy condition.

I certify that this engine has been approved for return to service.

DATE: 02 June, 2011

SIGNED:

Bernard Paquette, IA: 44540037IA

Work Order: 06624-05-2011

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Engine Logbook Entry		Paragon Aircraft Service, Inc. 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884					Authorized Cirrus Service Center	
Date	N' Number	Make/Model	Serial#	Flight	Hobbs	Total Time	W. O.	
6/29/2012	N313SR	IO-550-N42	689730	471.6	629.0	471.6	7173	
Changed oil filter cut open old filter, no metal found. Oil sample taken. Borescoped cylinders no defects noted. Spark plugs cleaned and gapped. Magnetos removed and reinstalled after 500 Hour inspection by G&N Aircraft see maintenance release tags in aircraft records. #1 76/80, #2 68/80, #3 74/80, #4 68/80, #5 68/80, #6 68/80. Engine washed and run-up checked OK. I certify that this engine has been inspected in accordance with an Annual Inspection and determined to be in an airworthy condition. I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.								
Authorized Signature:					Steven VanderValk A&P 2919106 IA			

ENGINE MODEL:  
IO-550N(42)  
ENGINE S/N: 689730  
REG. NO: 313SR  
WORK ORDER:  
0265-04-2012



### Performance Flight

136 Tower Lane Hangar M  
West Harrison, NY 10604  
Phone: 914-397-1444

DATE: 4/18/2012  
A/C TSN: 426.6  
ENG TT: 426.6  
TSMOH:  
FLIGHTTIME: 426.6

#### Engine Entries

(1) Perform oil change to engine... Performed oil change to Drained oil ,samples taken hot.Filters cut opened and inspected, no metal particle found. Installed 1 New CH48108-1 oil filter and serviced engine with 8 quarts of Phillips X/C 20W50 Oil.Run up Ops check O.K. checked for leaks none found. All work performed I.A.W. Continental IO550N service manual.

DATE: 4/18/2012

SIGNED:

Laurence Mckenzie, A&P: 3039316

Work Order: 0265-04-2012

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ENGINE MODEL:  
IO-550N(42)  
ENGINE S/N: 689730  
REG. NO: 313SR  
WORK ORDER:  
0836-06-2013



### Performance Flight

136 Tower Lane Hangar M  
West Harrison, NY 10604  
Phone: 914-397-1444

DATE: 7/1/2013  
A/C TSN: 661.1  
ENG TT: 491.7  
TSMOH:  
FLIGHTTIME: 491.7

#### Engine Entries

(2) Annual inspection due on engine.... ENGINE- Completed Annual Inspection in accordance with Cirrus Design Corp 100HR Inspection checklist and Teledyne Continental Motors service manual. Performed pre-inspection ground functional check of engine and related systems. Performed compression check 1.)77/80 2.)60 /80 3.)70 /80 4.)60/80 5.)68 /80 6.)66 /80. Drained oil and collected sample for analysis, removed oil filter and inspected for contamination, no defects noted. Secured new CH48108-1 oil filter, and serviced engine with 8qts Phillips 20w-50 Mineral oil. Cleaned, gapped, rotated, and reinstalled all spark plugs as required. Drained and inspected gascolator, no contamination noted. Inspected all oil lines and fittings. Completed AD & SB search, all AD's & SB complied with as of 07-01-2013. I certify this engine was inspected in accordance with an Annual inspection, and has been found to be in an airworthy condition at this time.

DATE: 7/1/2013

SIGNED:

Lou Duquette IA: 3041337

Work Order: 0836-06-2013

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ENGINE MODEL:  
IO-550N(42)  
ENGINE S/N: 689730  
REG. NO: 313SR  
WORK ORDER:  
0836-06-2013



### Performance Flight

136 Tower Lane Hangar M  
West Harrison, NY 10604  
Phone: 914-397-1444

DATE: 7/1/2013  
A/C TSN: 661.1  
ENG TT: 491.7  
TSMOH:  
FLIGHTTIME: 491.7

#### Engine Entries

(4) Customer requests boroscope to be performed on all engine cylinders.... Performed borescope inspection on all cylinders and found them to be in satisfactory condition. I.A.W. the Teledyne Continental Aircraft Engine IO-550-N MM.... (10) Perform the Fuel Injector Nozzle cleaning 300 Hour / Annual... Performed the Fuel Injector Nozzle cleaning @ 300 Hour/ Annual inspection I.A.W the Cirrus SR22 MM. Chapter 5 Inspection checklist and the Teledyne Continental Motors IO-550-N MM.... (11) Left magneto is timed @ 24 1/2\*BTDC,... Adjusted the Magneto to Engine Timing to 22 Degrees BTC. I.A.W. the Continental IO-550-N MM.... (15) Perform Teledyne Continental Aircraft Engine Service Information Directive SID97-3E,  
Subject: Procedures and Specifications for Adjustment Of Teledyne Continental Motors(TCM) Continuous Flow Fuel Injection Systems.... Performed the Teledyne Continental Aircraft Engine Service Information Directive SID973E .Subject: Procedures and Specifications for Adjustment Of Teledyne Continental Motors (TCM) Continuous Flow Fuel Injection Systems.

DATE: 7/1/2013

SIGNED:

Laurence Mckenzie, A&P: 3039316

Work Order: 0836-06-2013

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

ENGINE MODEL:  
IO-550N(42)  
ENGINE S/N: 689730  
REG. NO: 313SR  
WORK ORDER:  
1357-07-2014



**Performance Flight**  
136 Tower Lane Hangar M  
West Harrison, NY 10804  
Phone: 914-397-1444

DATE: 9/4/2014  
A/C TSN: 688.7  
ENG TT: 520.5  
FLIGHTTIME: 520.5

**Engine Entries**

(4) CW Annual Inspection of Aircraft Engine... Completed 100 hr interval inspection of Engine IAW applicable Cirrus SR-22 AMM 5-20. Completed pre-service ground function check IAW Ch5-30 with no discrepancies noted. Warmed engine to operating temperature. Completed cylinder differential pressure check with results as follows: #1; 73/80. #2;64/80. #3;72/80. #4;72/80. #5;56/80. #6; 65/80. Master orifice:44/80. Drained oil, obtained sample and sent for S.O.A.P. test. Removed and cut open filter. Inspected for abnormal debris with none noted. Installed and secured new CH 48108-1 filter and serviced engine with 8 Qts Phillips X/C 20W50 engine oil. Visually inspected engine, exhaust system, engine accessories, hoses, lines, harnesses and all associated systems for loose hardware, leaks chafing, proper routing and evidence of excessive wear or deterioration, degradation or stress with none noted. Removed plugs, cleaned, gapped, tested, rotated and re-installed with new M674 gaskets. Completed satisfactory ground function and leak check IAW applicable Cirrus SR-22 AMM 5-30 with no discrepancies noted. All work done IAW applicable TCM IO-550 Engine Overhaul and Maintenance Manual M-16. I certify that this engine has been inspected IAW a Cirrus 100 hour inspection and is found to be in airworthy condition.

The work performed has been accomplished in accord with all current, applicable and approved FAA data, has been inspected, found to be in airworthy condition and has been approved for return to service.

DATE: 9/4/2014 SIGNED: Work Order: 1357-07-2014  
Dan Magnanimo, IA: 3174220 Printed by EBIS 3 (datcomedia.com)

August 12, 2013

N313SR

Hobbs: 677.2  
Flight Hobbs: 510.3

1. Changed oil and filter, filter inspection normal, installed new CH48108-1 filter, serviced sump with 7qts. Phillips XC20W50 oil and 1 bottle of camguard. Sent out oil sample for analysis. Run up and leak check good.
2. Removed and replaced #5cylinder exhaust riser with new P/N 15070-003.

My signature constitutes approval for return to service of this aircraft ONLY FOR THE WORK I HAVE PERFORMED. I have not performed nor been authorized to perform any inspection of this aircraft nor have I reviewed or been authorized to review the maintenance records, including Part 39 compliance.



Legacy Air, Inc  
11905 Corporate Way  
Broomfield, CO 80021  
303-404-0277

Curt Lee Power  
A&P 2882132

Engine Logbook Entry	<b>Paragon Aircraft Service, Inc.</b> 19 Wright Way, Fairfield, NJ 07004 Phone: (973)575-0364 Fax (973)244-1884						Authorized Cirrus Service Center
Date	N <sup>o</sup> Number	Make/Model	Serial#	Flight	Hobbs	Total Time	W. O.
11/3/2015	N313SR	IO-550-N42	689730	527.0	699.8	527.0	8484
<p>Changed oil filter cut open old filter, no metal found. Serviced with 7 qts Phillips X/C 20W50. Oil sample taken. Borescoped cylinders no defects noted. Spark plugs cleaned and gapped. Magneto timing checked. #1 74/80, #2 60/80, #3 70/80, #4 64/80, #5 64/80, #6 68/80, MO 44. Engine washed and run-up checked OK.</p> <p>I certify that this engine has been inspected in accordance with an Annual Inspection per CFR 43 Appendix D and determined to be in an airworthy condition.</p> <p>I certify that the work described above was performed in accordance with approved/acceptable data and is approved for return to service with regard to work performed.</p>							
Authorized Signature:				Steven VanderValk A&P 2919106 IA			

**SUB-TOTALS** this page




IN SERVICE	SINCE OVERHAUL	METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<b>TOTALS</b> brought forward from previous page

Date- Dec.1,2016      Engine Log      N 313SR      PHILLIPSBURG AIRPORT  
Hobbs-713.8      Flight Meter-537.9      Make/Model-Continental  
SMOH-      Engine-IO-550-N      SN#-689730

Inspected engine I/A/W FAR 43,appendix D,using Cirrus AMM chapter 5-20 as a reference.Drained oil,inspected oil filter,installed new AA48108 filter and serviced with 7 quarts Phillips XC 20w-50. Compression test #1-70/80,#2-66/80,#3-64/80,#4-56/80,#5-66/80,#6-60/80. Performed Borescope inspection. Installed all new fuel drain back tube seals P/N#SA632248.AD's checd thru current revision.Ground run satisfactory.

I certify this engine has been inspected I/A/W a/an  
annual inspection and is approved for return to service.

Tim Masters 2802663IA 

Date- Dec.1,2016      Engine Log      N 313SR      PHILLIPSBURG AIRPORT  
Hobbs-713.8      Flight Meter-537.9      Make/Model-Continental  
SMOH-      Engine-IO-550-N      SN#-689730

Removed and reinstalled cylinders after Overhaul.  
Cylinder S/N's 16128, 16123, 16124, 16125, 16126, 16127  
Replaced valve cover gaskets P/N 655705, Pushrod tube seals P/N 630286,  
and 534609, cylinder base O ring P/N 641066  
Serviced engine oil with PHILLIPS 20W-50M 7 quarts  
Ran engine, performed leak check. No leaks found  
2 Hour test flight was performed. No defects noted  
Workorders pertaining to cylinder Overhaul attached to aircraft logs

I certify that all work descibed above has been performed IAW  
TCM Permold Series Overhaul Manual 550N

Brad Helman AP302846501 

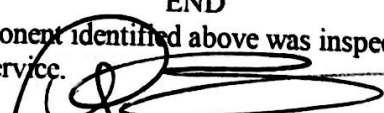
Engine Log  
Aircraft Make: CIRRUS  
Engine Make: TCM

Aircraft: N4313SR  
Aircraft Model: SR22  
Engine Model: IO550-N27

Date: JULY 12, 2017  
Aircraft S/N: 1978  
Engine S/N: 689730

HOBBBS:718.0      FLIGHT: 541.1      Engine TT: 541.1  
Performed an Annual Inspection IAW FAR Part 43 Appendix D using Cirrus SR22 AMM as a guide.  
No discrepancies noted.  
Post maintenance ground run satisfactory, no leaks detected.  
Verified all AD's have been complied with thru July 12, 2017.

END

I certify that this aircraft and/or component identified above was inspected and/or repaired IAW current FAA regulations and determined Airworthy for return to service.  
Phillip Scadden IA 400062798 

			<b>SUB-TOTALS</b> this page

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**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 0404      Total Time: 563.6      Date: 0804/2017

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. OIL AND FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.
3. FUEL BOOST PUMP W/N PRIME AND IS LEAKING - REMOVED BOOST PUMP P/N 5217-00-3 S/N 2730 AND INSTALLED OVERHAULED FUEL PUMP P/N 5217-0-3 S/N 2565. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF 28-20.
4. #6 CHT READS HIGH - INSPECTED AND CHECKED #6 CHT PROBE CONNECTION. GROUND RUN, OPERATIONAL CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 77-20.
5. REPLACE STARTER ADAPTER - REMOVED STARTER ADAPTOR P/N:642083A12, NO SERIAL NUMBER. INSTALLED REBUILT STARTER ADAPTER P/N R-642083A12, NO SERIAL NUMBER. GROUND CHECK GOOD. WORK PERFORMED IAW CONTINENTAL MOTORS STANDARD PRACTICE M/M M-0, APPLICABLE SECTION OF APPENDIX B AND IO-550-N OVERHAUL AND M/M, APPLICABLE SECTION OF CHAPTER 10

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94519.



SIGNED BY: [Signature] FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 570.2      Date: 08/08/2017

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH TCM SID 97-3G - PERFORMED ENGINE FUEL SET UP OPERATIONAL CHECK IAW TCM STANDARD PRACTICE MAINTENANCE MANUAL M-0 APPLICABLE SECTION OF CH 6-2. ALL PARAMETERS SET WITHIN OPERATIONAL LIMITS.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94519.



SIGNED BY: [Signature] FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 605.2      Date: 08/29/2017

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. OIL AND FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94576.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 651.5      Date: 09/18/2017

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. OIL AND FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.
3. #3 EGT INDICATION ERRATIC - REMOVED AND REPLACED #3 EGT PROBE WITH NEW P/N 16579-002 IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 77-20. OPS CHECK GOOD.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94612.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 703.3      Date: 10/12/2017

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION WITH OIL AND FILTER CHANGE - COMPLIED WITH 50 HOUR INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 05-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. COMPRESION FIGURES. #1-73/80, #2-72/80, #3-72/80, #4-75/80, #5-77/80, #6-76/80. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94653.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D



DATE

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 751.5      Date: 11/08/2017

3K

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. OIL AND FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94722.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 797.0      Date: 01/02/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION WITH OIL AND FILTER CHANGE - COMPLIED WITH 50 HOUR INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 05-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94822.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 843.5      Date: 03/01/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION - COMPLIED WITH 50 HOUR INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 94907.



SIGNED BY: [Signature] FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR    Make: CIRRUS    Model: SR22    Serial #: 1978    Total Time: 882.9    Date: 04/17/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH OIL AND FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95021.



SIGNED BY: *Wen Hoey* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR    Make: CIRRUS    Model: SR22    Serial #: 1978    Total Time: 928.6    Date: 05/18/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION - COMPLIED WITH 50 HOUR INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RUN, OPERATIONAL AND LEAK CHECKS GOOD. WORK DONE IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95070.



SIGNED BY: *Wen Hoey* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR    Make: CIRRUS    Model: SR22    Serial #: 1978    Total Time: 971.8    Date: 7/06/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. C/W 50HR INSPECTION IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*  
 THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95173.



SIGNED BY: *Sean McDonald* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 1021.2      Date: 10/02/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH 50HR INSPECTION IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95361.



SIGNED BY: [Signature] FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 1032.7      Date: 12/18/2018

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 05-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. COMPRESSION FIGURES: #1-72/80, #2-66/80, #3-70/80, #4-66/80, #5-67/80, #6-76/80. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10.
3. #2 UPPER SPARK PLUG CORODED - REMOVED AND REPLACED #2 UPPER SPARK PLUG WITH NEW P/N URHB32E IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 74-20.
4. SEVERAL INTAKE VALVE COVERS LEAKING - REMOVED AND REPLACED #1, #2, #3 & #5 INTAKE VALVE COVER GASKETS WITH NEW P/N 655705 IAW CMI STANDARD PRACTICES MM M-0 APPLICABLES SECTION OF APPENDIX B. GROUND RAN NO LEAKS NOTED.
5. COMPLIED WITH 300 HOUR 1 YEAR FUEL INSPECTION NOZZLE CLEANING IAW TCM FUEL INJECTION NOZZLE INSTALLATION AND MAINTENANCE MANUAL FI2. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD.
6. COMPLIED WITH 500 HOUR MAGNETO INSPECTION AND CLEANING IAW CMI MAGNETO SERVICE SUPPORT MANUAL X42001 APPLICABLE SECTION OF SECTION 6. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD.
7. MUFFLER / HEAT EXCHANGER DUE TIME CHANGE - REMOVED AND REPLACED MUFFLER / HEAT EXCHANGER WITH NEW P/N 14837-001 IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 78-20.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95461.



SIGNED BY: [Signature] FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

Page No.

DATE

**ENGINE ENTRY**

<b>"N" #:</b>	<b>Make:</b>	<b>Model:</b>	<b>Serial #:</b>	<b>Total Time:</b>	<b>Date:</b>
N313SR	CIRRUS	SR22	1978	1059.0	03/19/2019

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION - COMPLIED WITH 50HR INSPECTION I/AW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95736.



SIGNED BY: *[Signature]* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

<b>"N" #:</b>	<b>Make:</b>	<b>Model:</b>	<b>Serial #:</b>	<b>Total Time:</b>	<b>Date:</b>
N313SR	CIRRUS	SR22	1978	1098.6	05/16/2019

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION - COMPLIED WITH 50HR INSPECTION IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 95851.



SIGNED BY: *[Signature]* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

**ENGINE ENTRY**

<b>"N" #:</b>	<b>Make:</b>	<b>Model:</b>	<b>Serial #:</b>	<b>Total Time:</b>	<b>Date:</b>
N313SR	CIRRUS	SR22	1978	1147.6	09/06/2019

**Description**

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH 50 HR INSPECTION - COMPLIED WITH 50HR INSPECTION I/AW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96083.



SIGNED BY: *[Signature]* FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D



ENGINE ENTRY

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 1173.8      Date: 01/28/2020

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 05-20. DRAINED OIL AND SERVICED WITH 8 QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. COMPRESSION FIGURES: #1-72/80, #2-56/80, #3-64/80, #4-67/80, #5-72/80, #6-72/80. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 12-10. PERFORMED ENGINE FUEL ISPECTION PER STANDARD PRACTICES MM M-O, ALL PARAMETERS SET WITHIN OPERATIONAL LIMITS.
3. PERFORMED GASCOLATOR FUEL FILTER AND BOWL 50 HR SERVICE IAW CIRRU SR22 MM APPLICABLE SECTION OF CH 28-20. LEAK CHECK GOOD.
4. COMPLIED WITH 50 HR SPARK PLUG CABLE LEAD INSPECTION IAW CMI HIGH TENSION IGNITION HARNESS SERVICE SUPPORT MANUAL X43001 REV 2. NO DEFECTS NOTED.
5. COMPLIED WITH 300 HOUR 1 YEAR FUEL INSPECTION NOZZLE CLEANING IAW TCM FUEL INJECTION NOZZLE INSTALLATION AND MAINTENANCE MANUAL FI2. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD.
6. COMPLIED WITH 100 HOUR AIR FILTER CLEANING AND RECHARGE IAW CHALLENGER AIR FILTER ICA DOCUMENT 4003 REV D.
7. ALL EXHAUST HANGAR SPRINGS WORN - REMOVED AND REPLACED ALL EXHAUST HANGAR SPRINGS WITH NEW P/N 51381-001 IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 78-10.
8. INDUCTION AIR FILTER SEAL WORN - REMOVED AND REPLACED INDUCTION AIR FILTER SEAL WITH NEW P/N CP-2902 IAW CHALLENGER AIR FILTER ICA DOCUMENT 4003 REV D.
9. LEFT EXHAUST TAIL PIPE SUPPORT TAB ELONGATED - REMOVED AND REPLACED LEFT HAND EXHAUST TAIL PIPE WITH NEW P/N 15077-002 IAW CIRRUS SR22 MM APPLICABLE SECTION OF CH 78-10.
10. COMPLY WITH SB2X-71-33 CONTINENTAL SB18-08 - RESEARCHED AND INSPECTED, FOUND EFFECTED CYLINDER ASSY'S NOT INSTALLED ON ENGINE. NO FURTHER ACTION REQUIRED PER SERVICE BULLTIN SB18-08 INSTRUCTIONS.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96327.



SIGNED BY: Wm Woz FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

ENGINE ENTRY

"N" #: N313SR      Make: CIRRUS      Model: SR22      Serial #: 1978      Total Time: 1231.4      Date: 08/18/2020

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLY WITH OIL & FILTER CHANGE - DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: CH48108-1. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96652.



SIGNED BY: Wm Woz FOR  
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
FAA APPROVED REPAIR STATION NO. FEHR859D

DATE

"N" #:	Make:	Model:	Serial #:	Total Time:	Date:
N313SR	CIRRUS	SR22	1978	1243.1	09/15/2020

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. REPLACE ENGINE STARTER - REMOVED ENGINE STARTER P/N:656181D, S/N:0044 AND INSTALLED NEW P/N:C24ST5, S/N:H-S010902. OPERATIONAL CHECKS GOOD. WORK PERFORMED I/AW CIRRUS SR22 MM, APPLICABLE SECTION OF CHAPTER 80-10 AND HARTZELL ST5 INSTALLATION INSTRUCTIONS.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96717.



SIGNED BY: Wm Woy FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

ENGINE ENTRY

"N" #:	Make:	Model:	Serial #:	Total Time:	Date:
N313SR	CIRRUS	SR22	1978	1274.4	01/20/2021

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH ANNUAL INSPECTION IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N CH48108-1. COMPRESSION FIGURES: #1 76/80, #2 72/80, #3 70/80, #4 66/80, #5 73/80, #6 72/80. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH 12-10.
3. SPARK PLUGS WORN PAST LIMITS - REMOVED AND REPLACED ALL ENGINE SPARK PLUGS WITH NEW P/N RHB32E IAW CONTINENTAL MOTORS SIL03-2B. GROUND RAN, OPERATIONAL CHECKS GOOD.
4. COMPLIED WITH 50 HR SPARK PLUG CABLE LEAD INSPECTION IAW CMI HIGH TENSION IGNITION HARNESS SERVICE SUPPORT MANUAL X43001 REV 2. NO DEFECTS NOTED.
5. COMPLIED WITH 100 HOUR AIR FILTER CLEANING AND RECHARGE IAW CHALLENGER AIR FILTER ICA DOCUMENT 4003 REV D.
6. COMPLY WITH AD2020-16-11 CROSS-FLOW CYLINDER ASSEMBLIES FRACTURES - RESEARCHED AND INSPECTED, FOUND AFFECTED CYLINDERS NOT INSTALLED. NO FURTHER ACTION REQUIRED AT THIS TIME PER MSB18-08B.
7. #6 CYLINDER EXHAUST COVER SEEPING - REMOVED AND REPLACED #6 CYLINDER EXHAUST COVER GASKET WITH NEW P/N 658735 IAW STANDARD PRACTICES MM M-0, APPLICABLE SECTION OF APPENDIX B. GROUND RAN, LEAK CHECK GOOD.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 96940.



SIGNED BY: Wm Woy FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

ENGINE ENTRY

"N" #:	Make:	Model:	Serial #:	Total Time:	Date:
N313SR	CIRRUS	SR22	1978	1304.0	05/25/2021

Description

1. COMPLIED WITH PRELIMINARY INSPECTION IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. COMPLIED WITH 50HR INSPECTION I/AW CIRRUS CMX 50HR CHECKLIST AND APPLICABLE SECTION OF CH 5-20. DRAINED OIL AND SERVICED WITH 8QTS OF PHILLIPS 20W50 OIL. REMOVED AND REPLACED OIL FILTER WITH NEW P/N: AA48108-2. CUT OPEN OLD FILTER, NO METAL NOTED. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CIRRUS SR22 MM, APPLICABLE SECTION OF CH. 12-10.
3. STARTER ADAPTER SLIPPING - REMOVED STARTER ADAPTOR P/N 642083A12 AND INSTALLED OVERHAULED EXCHANGE P/N 642083A12, S/N TA26430. GROUND RAN, OPERATIONAL AND LEAK CHECKS GOOD. WORK PERFORMED IAW CAT STANDARD PRACTICES MM M-0, APPLICABLE SECTION OF APEENDIX B.

\*\*\*\*\*MAINTENANCE RELEASE\*\*\*\*\*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. 97198.



SIGNED BY: Wm Woy FOR  
 EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170  
 FAA APPROVED REPAIR STATION NO. FEHR859D

