

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. (see Airframe log)

Engine Manufacturer Continental

Model IO-360-ES25B

Serial No. 1037965

Date installed on aircraft 9-27-2019

Time Between Overhauls (TBO) 2400 Hours

If used on multi-engine aircraft:

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



(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.

P.O. Box 1359 / Southold, NY 11971-0965

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Page No. _____

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
TOTALS brought forward from previous page				



Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed: 08/07/2019

Test Date: 08/05/2019

This engine model I0360ES25B, serial number 1037965 was rebuilt by Continental Motors Inc, in accordance with approved design data and the applicable requirements of 14 CFR, Part 21 and 43 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins.

Dem Stewart
CONTINENTAL MOTORS, INC.

Form 6012-04 (Rev Sept 2014)

SUB-TOTALS this page

TOTALS-Carry forward to next page

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
TOTALS brought forward from previous page				

9-27-19 0000 N/A 4667

IO-360-ES
Maintenance HMTR: 4667

S/N: 1037
TSOH: N

- 1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 and 50-Hour Inspection due at 4717 hours (ma
- 2) Installed CMI remanufactured e 1037965 into Cirrus SR20 N583 additional details).
- 3) The following accessories incl LH magneto s/n: D19FA349R alternator #1 s/n: H-S04225 pump s/n: B19FA160R, ma unit s/n: A19EA138R, and
- 4) The following new parts i alternator #1 mounting exhaust gaskets p/n: 63 (12 each).
- 5) Complied with AD 88 inspection IAW Para
- 6) Serviced engine wit
- 7) Complied with con IAW CMI Standard
- 8) Complied with Ta inspection in acc Continued Airw
- 9) Complied with by inspection of retaining n INSTRUCTION
- 10) Replaced Br
- 11) Performed
- 12) Replaced
- 13) Replaced each).

I certify tha
Inspection
Fuselage
and a Del
perform

SUB

TO

serial number 1037965
Inc, in accordance with approved design
of 14 CFR, Part 21 and 43 of the
approved design data for this engine
applicable Airworthiness Directives and
ins.

John Stewart

CONTINENTAL MOTORS, INC.

Page No. _____			
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
9-27-19	0000	N/A	4667
<p>DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK</p> <p>TOTALS brought forward from previous page</p> <p>IO-360-ES S/N: 1037965 September 27, 2019 Maintenance HMTR: 4667 TSOH: N/A TTE: 0000</p> <ol style="list-style-type: none"> Complied with Purdue University N583PU Progressive Inspection Program Event 2 and 50-Hour Inspections IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4717 hours (maintenance hourmeter time). Installed CMI remanufactured engine m/n: IO-360-ES25B, s/n: 1037965 into Cirrus SR20 N583PU s/n: 2043 (see airframe log for additional details). The following accessories included with remanufactured engine: LH magneto s/n: D19FA349R, RH magneto s/n: D19FA344R, alternator #1 s/n: H-S042258, alternator #2 s/n: H-T043266, fuel pump s/n: B19FA160R, manifold valve s/n: C19FA001R, metering unit s/n: A19EA138R, and starter s/n: H-T-241951. The following new parts included with remanufactured engine: alternator #1 mounting hardware and drive belt p/n: 657504, exhaust gaskets p/n: 630365 (12 each), and exhaust nuts p/n: 22022 (12 each). Complied with AD 88-03-06, TCM Oil Filter, dated 04/15/88, by inspection IAW Para (a) and (b). Serviced engine with 8 quarts Phillips Type-M 20W50 oil. Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0. Complied with Tanis engine preheat system visual and operational inspection in accordance with Tanis Aircraft Products Instructions for Continued Airworthiness. Complied with CMI CSB08-3B, Throttle and Mixture Control Levers, by inspection of throttle and mixture control levers and verification of retaining nut torques IAW CONTINUED AIRWORTHINESS INSTRUCTIONS section. Replaced Bracket air filter element p/n: BA-24. Performed Operational/Functional check IAW SR20 AMM 5-30. Replaced cylinder #3 and #5 EGT sensors p/n: 24585-001 (2 each). Replaced cylinder #1, #3, and #5 CHT sensors p/n: 24584-001 (3 each). <p><i>[Signature]</i> AP3778016 Signature and A&P#</p> <p>I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this engine is approved for return to service.</p> <p><i>[Signature]</i> AP27856501A Signature and A&P/IA #</p> <p>SUB-TOTALS this page</p> <p>TOTALS-Carry forward to next page</p>			

TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	TOTALS brought forward from previous page
27	Changed oil and filter. Refilled with 8 qt. Phillips 20W50 Type M oil and installed P/N AA48108-2 oil filter. <i>YWK</i> A-P2725795
	Complied with 25 hour engine break-in oil change. Changed oil and filter. Refilled with 8 qt. Phillips 20W-50 Type M oil and installed oil filter P/N AA48108-2. <i>YWK</i> A-P4050231
	IO-360-ES Maintenance HMTR: 4716 S/N: 1037965 TSOH: N/A October 11, 2019 TTE: 0049 Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4766 hours (maintenance hourmeter time). Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. Performed Operational/Functional check IAW SR20 AMM 05-30. <i>YWK</i> A-P2725795 Signature and A&P#
	at in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service. <i>YWK</i> A-P2725795 IA Signature and A&P/IA #

Page No. _____

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
				TOTALS brought forward from previous page
10/28/19	0098	N/A	4765	IO-360-ES Maintenance HMTR: 4765 S/N: 1037965 TSOH: N/A October 28, 2019 TTE: 0098 1) Complied with Purdue University N583PU Progressive Inspection Program Event 1 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4815 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0. 4) Performed Operational/Functional check IAW SR20 AMM 5-30. 5) Inspected, cleaned, gapped, and rotated spark plugs IAW CMI Standard Practice Maintenance Manual M-0. <i>Richard W. Childers</i> Signature and A&P# 2136765 I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Engine Group, Propeller Group, Cabin and Radio Group, and Landing Gear Group, and a Detailed Inspection of the Wing Group, and Fuselage and Empennage Group were performed and this engine is approved for return to service. <i>YWK</i> A-P2725795 IA Signature and A&P/IA #
11-18-19	0147	N/A	4814	IO-360-ES Maintenance HMTR: 4814 S/N: 1037965 TSOH: N/A November 18, 2019 TTE: 0147 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4864 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Performed Operational/Functional check IAW SR20 AMM 05-30. <i>YWK</i> A-P2725795 IA Signature and A&P# I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service. <i>YWK</i> A-P2725795 IA Signature and A&P/IA #
				SUB-TOTALS this page
				TOTALS-Carry forward to next page

Page No. _____				DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK															
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME																
TOTALS brought forward from previous page																			
1-3-20	0197	N/A	4864	IO-360-ES Maintenance HMTR: 4864	S/N: 1037965 TSOH: N/A January 3, 2020 TTE: 0197														
1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4914 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Performed compression check IAW CMI Standard Practice Maintenance Manual M-0: <table border="1" style="margin-left: 20px;"> <tr> <td>Cyl #:</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>PSI:</td> <td>74/80</td> <td>78/80</td> <td>72/80</td> <td>74/80</td> <td>70/80</td> <td>74/80</td> </tr> </table>						Cyl #:	1	2	3	4	5	6	PSI:	74/80	78/80	72/80	74/80	70/80	74/80
Cyl #:	1	2	3	4	5	6													
PSI:	74/80	78/80	72/80	74/80	70/80	74/80													
4) Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0. 5) Replaced Bracket air filter element p/n: BA-24. 6) Performed Operational/Functional check IAW SR20 AMM 5-30.																			
<u>AP377806</u> Signature and A&P#																			
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this engine is approved for return to service.																			
<u>AP27856501A</u> Signature and A&P/IA #																			
IO-360-ES Maintenance HMTR: 4914 S/N: 1037965 TSOH: N/A February 14, 2020 TTE: 0247																			
2-14-20	0247	N/A	4914	1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4964 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Performed Operational/Functional check IAW SR20 AMM 05-30.															
<u>AP3064381</u> Signature and A&P#																			
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.																			
<u>AP3064381 IA</u> Signature and A&P/IA #																			
TOTALS—Carry forward to next page																			

Page No. _____				DESCRIPTION OF WORK PERFORMED — SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK															
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME																
TOTALS brought forward from previous page																			
3-3-20	0296	N/A	4963	IO-360-ES Maintenance HMTR: 4963	S/N: 1037965 TSOH: N/A														
1) Complied with Purdue University N583PU Progressive Inspection Program Event 3 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5013 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0: <table border="1" style="margin-left: 20px;"> <tr> <td>Cyl #:</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>PSI:</td> <td>74/80</td> <td>78/80</td> <td>72/80</td> <td>74/80</td> <td>70/80</td> <td>74/80</td> </tr> </table>						Cyl #:	1	2	3	4	5	6	PSI:	74/80	78/80	72/80	74/80	70/80	74/80
Cyl #:	1	2	3	4	5	6													
PSI:	74/80	78/80	72/80	74/80	70/80	74/80													
4) Cleaned Fuel Injection Nozzles Manual publication FI-2. 5) Performed Operational/Functional check IAW SR20 AMM 5-30. 6) Inspected, cleaned, gapped, and adjusted valves IAW CMI Standard Practice Maintenance Manual M-0.																			
<u>AP3064381</u> Signature and A&P#																			
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this engine is approved for return to service.																			
<u>AP27856501A</u> Signature and A&P/IA #																			
IO-360-ES Maintenance HMTR: 5006 S/N: 1037965 TSOH: N/A March 24, 2020 TTE: 0339																			
3/24/20	0339	N/A	5006	1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5056 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Performed Operational/Functional check IAW SR20 AMM 05-30.															
<u>AP3064381</u> Signature and A&P#																			
I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.																			
<u>AP3064381 IA</u> Signature and A&P/IA #																			
TOTALS—Carry forward to next page																			

TOTAL TIME IN SERVICE

TACH OR RECORDING METER TIME

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

4864

TOTALS brought forward from previous page

IO-360-ES
Maintenance HMTR: 4864 S/N: 1037965 TSOH: N/A

January 3, 2020 TTE: 0197

- Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4914 hours (maintenance hourmeter time).
- Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.
- Performed compression check IAW CMI Standard Practice Maintenance Manual M-0:

Cyl #:	1	2	3	4	5	6
PSI:	74/80	78/80	72/80	74/80	70/80	74/80

- Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0.
- Replaced Bracket air filter element p/n: BA-24.
- Performed Operational/Functional check IAW SR20 AMM 5-30.

Signature and A&P# AP3778016

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this engine is approved for return to service.

Signature and A&P/IA # AP27556501A

IO-360-ES
Maintenance HMTR: 4914 S/N: 1037965 TSOH: N/A

February 14, 2020 TTE: 0247

Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 4964 hours (maintenance hourmeter time).

Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.

Performed Operational/Functional check IAW SR20 AMM 05-30.

Signature and A&P# AP3064381

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.

Signature and A&P/IA # AP3064381 IA

any forward to next page

TOTAL TIME IN SERVICE

TACH OR RECORDING METER TIME

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

Page No. _____

TOTALS brought forward from previous page

IO-360-ES
Maintenance HMTR: 4963 S/N: 1037965 TSOH: N/A

March 3, 2020 TTE: 0296

- Complied with Purdue University N583PU Progressive Inspection Program Event 3 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5013 hours (maintenance hourmeter time).
- Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.
- Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0.
- Cleaned Fuel Injection Nozzles IAW TCM Position Tuned Fuel Injector Manual publication FI-2.
- Performed Operational/Functional check IAW SR20 AMM 5-30.
- Inspected, cleaned, gapped, and rotated spark plugs IAW CMI Standard Practice Maintenance Manual M-0.

Signature and A&P# AP3778016

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Engine Group, Propeller Group, Cabin and Radio Group, Fuselage and Empennage Group, and Wing Group, and a Detailed Inspection of the Landing Gear Group were performed and this engine is approved for return to service.

Signature and A&P/IA # AP27556501A

IO-360-ES
Maintenance HMTR: 5006 S/N: 1007965 TSOH: N/A

March 24, 2020 TTE: 0339

- Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5056 hours (maintenance hourmeter time).
- Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.
- Performed Operational/Functional check IAW SR20 AMM 05-30.

Signature and A&P# AP3778016

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.

Signature and A&P/IA # AP2715253 IA

SUB-TOTALS this page

TOTALS-Carry forward to next page

DATE

TOTAL TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

3-3-20	0296	N/A	4963
3/24/20	0339	N/A	5006

Page No. _____

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

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
	0337	—	5006
7/29/20	0388	—	5055

TOTALS brought forward from previous page

S/N: 1037965

July 29, 2020

TSOH: N/A

TTE: 0388

IO-360-ES

Maintenance HMTR: 5055

- 1) Complied with Purdue University N583PU Progressive Inspection Program Event 2 Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5105 hours (maintenance hourmeter time).
- 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.
- 3) Performed compression check IAW CMI Standard Practice Maintenance Manual M-0:

Cyl #:	1	2	3	4	5	6
PSI:	72/80	70/80	72/80	70/80	73/80	73/80

- 4) Complied with continuous flow fuel injection system pressure check IAW CMI Standard Practice Maintenance Manual M-0.
- 5) Replaced Bracket air filter element p/n: BA-24.
- 6) Performed Operational/Functional check IAW SR20 AMM 5-30.

Chris Gu AP3778016
Signature and A&P#

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a Routine Inspection of the Cabin and Radio Group, Fuselage and Empennage Group, Wing Group, and Landing Gear Group, and a Detailed Inspection of the Engine Group and Propeller Group were performed and this engine is approved for return to service.

Robert Hall AP311921918 IA
Signature and A&P/IA #

IO-360-ES

Maintenance HMTR: 5105

S/N: 1037965

September 15, 2020

TSOH: N/A

TTE: 043

- 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5155 hours (maintenance hourmeter time).
- 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.
- 3) Performed Operational/Functional check IAW SR20 AMM 05-30.

Mark Holi AP2785650
Signature and A&P#

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.

Mark Holi AP2785650 IA
Signature and A&P/IA #

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING								
				TOTALS brought forward from previous page								
10-20-20	0463	N/A	5130	IO-360-ES Maintenance HMTR: 5130 S/N: 1037965 TSOH: N/A								
				1) Complied with Purdue University N583PU Progressive Inspection Program Event 2, Event 4, and 50-Hour Inspection Program Manual. Next inspection due at 5180 hours (calendar time).								
				2) Changed oil and filter. Installed FAA-PMA approved oil refilled with 8 qts 20W-50XC oil.								
				3) Cleaned Fuel Injection Nozzles IAW TCM Progress Manual publication FI-2.								
				4) Performed compression check IAW CMI Standard Practice Maintenance Manual M-0:								
				<table border="1"> <tr> <td>Cyl #:</td><td>1</td><td>2</td><td>3</td></tr> <tr> <td>PSI:</td><td>72/80</td><td>68/80</td><td>74/80</td></tr> </table>	Cyl #:	1	2	3	PSI:	72/80	68/80	74/80
Cyl #:	1	2	3									
PSI:	72/80	68/80	74/80									
				5) Complied with continuous flow fuel injection IAW CMI Standard Practice Maintenance Manual M-0.								
				6) Complied with Tanis engine preheat inspection in accordance with Tanis Engine Group Continued Airworthiness.								
				7) Complied with CMI CSB08-3B, The Engine Group by inspection of throttle and mixture adjustment of retaining nut torques IAW CMI Standard PRACTICE INSTRUCTIONS section.								
				8) Replaced Bracket air filter element.								
				9) Replaced spark plugs p/n: UA								
				10) Performed Operational/Fuel System Check.								
				11) Complied with LH Magneto 500-hour inspection (see CMI Standard Practice Instructions).								
				12) Complied with RH Magneto 500-hour inspection (see CMI Standard Practice Instructions).								
				13) Replaced cylinder #1 top ring (see CMI Standard Practice Instructions for each).								
				I certify that in accordance with the Inspection Program a Representative of the Engine Group, Properly performed and this engine is ready for flight.								
				SUB-TOTALS								
				TOTALS-Carry over								

Verify that in accordance with the Purdue University N583PU Progressive
Inspection Program a 50-Hour Inspection was performed and this engine is
approved for return to service.

Man/John ADZ85650IA
Signature and A&P/IA #

SUB-TOTALS this page

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Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
3/13/21	0510 5177	N/A	5177 0510

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

TOTALS brought forward from previous page

IO-360-ES S/N: 1037965 March 13, 2021
Maintenance HMTR: 5177 TSOH: N/A TTE: 0510

1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5227 hours (maintenance hourmeter time).

2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil.

3) Performed Operational/Functional check IAW SR20 AMM 05-30.

AP3778016
Signature and A&P#

I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service.

AP2725795 IA
Signature and A&P/IA #

3-26-21 0510 N/A 5177

IO-360-ES S/N: 1037965 March 26, 2021
Maintenance HMTR: 5177 TSOH: N/A TTE: 0510

This engine has been removed from the Purdue University N583PU Progressive Inspection Program in accordance with FAR 91.409(d). In accordance with the Purdue University N583PU Progressive Inspection Program Procedures Manual, the next annual inspection under 91.409(a)(1) is due by 10/31/21 and, if applicable, the next 100-hour inspection under 91.409(b) is due by 5230 airframe total time.

AP2785650 IA
Mark Hopkins A&P2785650 IA

Tail # N583PU Champion Flyers of Alabama – Shelby Co. Airport (KEET)
DATE: 11/12/2021 TACH: 5216.6 HOBBS: 6907.1 ETT: 549.6 SMOH: n/a

Performed Annual ENGINE inspection IAW AC43.13-1b, appendix "D" using Cirrus SR20 Service Manual inspection check list. Warm engine & remove spark plugs. Clean, inspect, gap, rotate and reinstall plugs. Inspect and service fuel strainers. See attached AD list dated 11/2021 for compliance.

- Compression check. #1-74/80 #2-70/80 #3-74/80 #4-68/80 #5-70/80 #6-76/80.
- Service engine w/8qts Phillips X/C 20W50 oil & CH48108-1 filter. Cut filter, no debris noted.
- Perform post inspection run-up; all temps, pressures and RPM targets are normal.

I certify this ENGINE has been inspected IAW an Annual inspection and is airworthy at this time.

Nick Owens A&P 2639932 IA

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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
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Registration : N583PU Tach: 5240.0 Hobbs: 5240.0 Manufacturer: Cirrus
Aircraft Serial Number: 2043 Work Order No: 145-222 Date: 1/28/2022
Engine Model: Continental IO-360-ES S/N:1037965 TSN: 573.0

- 1- Performed engine oil change. Drained engine oil. Took oil sample for analysis with no defects noted. Replaced oil filter with new CH48108-1 filter. Cleaned engine and performed ground run and leak check with no issues.
- 2- Replaced all 12 spark plugs with new URHM38E plugs.
- 3- Adjusted engine idle to within limits.

These items identified above were repaired and/or inspected in accordance with the regulations and the repairs are approved for return to service. Pertinent details are under Work Order Number 145-222.

Authorized Signature *[Signature]* Date 1/28/22





Registration : N583PU Tach: 5284.4 Hobbs: 5284.4 Manufacturer: Cirrus
Aircraft Serial Number: 2043 Work Order No: 145-222
Engine Model: Continental IO-360-ES S/N:1037965

- 1- Drained engine oil and sampled for oil analysis. Replaced oil filter media with no defects noted. Service engine with no leaks noted. 3.2
- 2- Removed and cleaned old rocker cover gaskets. Replaced with new gaskets. Standard Practices Maintenance Manual M-O Rev 1.0


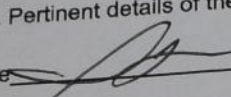
These items identified above were repaired and/or inspected in accordance with the regulations and the repairs are approved for return to service. Pertinent details are under Work Order Number 145-222.

Authorized Signature *[Signature]*

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
TOTALS brought forward from previous page IO-360-ES Maintenance HMTR: 5177 S/N: 1037965 TSOH: N/A March 13, 2021 TTE: 0510 1) Complied with Purdue University N583PU Progressive Inspection Program 50-Hour Inspection IAW Purdue University N583PU Progressive Inspection Program Procedures Manual. Next inspection due at 5227 hours (maintenance hourmeter time). 2) Changed oil and filter. Installed FAA-PMA approved oil filter and refilled with 8 qts 20W-50XC oil. 3) Performed Operational/Functional check IAW SR20 AMM 05-30. I certify that in accordance with the Purdue University N583PU Progressive Inspection Program a 50-Hour Inspection was performed and this engine is approved for return to service. Signature and A&P# <u>AP3778016</u> Signature and A&P/IA # <u>AP2725795IA</u>				
IO-360-ES Maintenance HMTR: 5177 S/N: 1037965 TSOH: N/A March 26, 2021 TTE: 0510 This engine has been removed from the Purdue University N583PU Progressive Inspection Program in accordance with FAR 91.409(d). In accordance with the Purdue University N583PU Progressive Inspection Program Procedures Manual, the next annual inspection under 91.409(a)(1) is due by 10/31/21 and, if applicable, the next 100-hour inspection under 91.409(b) is due by 5230 airframe total time. Signature and A&P/IA # <u>AP2785650IA</u>				
Shelby Co. Airport (KEET) CH: 5216.6 HOBBS: 6907.1 ETT: 549.6 SMOH: n/a IAW AC43.13-1b, appendix "D" using Cirrus SR20 Service Manual remove spark plugs. Clean, inspect, gap, rotate and reinstall plugs. Inspect and test dated 11/2021 for compliance. #2-70/80 #3-74/80 #4-68/80 #5-70/80 #6-76/80. XC 20W50 oil & CH48108-1 filter. Cut filter, no debris noted. all temps, pressures and RPM targets are normal. IAW an Annual inspection and is airworthy at this time.				

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
Page No. _____ <div style="display: flex; justify-content: space-between;"> <div>  <p>Registration : N583PU Tach: 5240.0 Hobbs: 5240.0 Manufacturer: Cirrus. Model number: SR20 Aircraft Serial Number: 2043 Work Order No: 145-222 Date: 1/28/2022 Engine Model: Continental IO-360-ES S/N: 1037965 TSN: 573.0</p> </div> <div> 6120 Smithwood Rd. Liberty, NC 27298 United States 336-685-4423 </div> </div> <p>1- Performed engine oil change. Drained engine oil. Took oil sample for analysis. Removed, cut and inspected oil filter with no defects noted. Replaced oil filter with new CH48108-1 filter. Serviced with 8 qts of Phillips 20w50 X/C. Cleaned engine and performed ground run and leak check with no defects noted. 2- Replaced all 12 spark plugs with new URHM38E plugs. 3- Adjusted engine idle to within limits.</p> <p>These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-222.</p> <p>Authorized Signature _____ Date <u>1/24/2022</u> CRS# EWCR750D</p>				
<div style="display: flex; justify-content: space-between;"> <div>  <p>Registration : N583PU Tach: 5284.4 Hobbs: 5284.4 Manufacturer: Cirrus. Model number: SR20 Aircraft Serial Number: 2043 Work Order No: 145-233 Date: 6/2/2022 Engine Model: Continental IO-360-ES S/N: 1037965</p> </div> <div> 6120 Smithwood Rd. Liberty, NC 27298 United States 336-685-4423 </div> </div> <p>1- Drained engine oil and sampled for oil analysis. Replaced oil filter with new Ch48108-1 filter. Cut filter and inspected filter media with no defects noted. Serviced engine with 8 qts of Phillips 20w50 X/C. Ground ran engine with no leaks noted. 3.2 2- Removed and cleaned old rocker cover gaskets and installed new gaskets p/n 655704 in reference to Continental Standard Practices Maintenance Manual M-O Revision No.1 Change 2.</p> <p>These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-233.</p> <p>Authorized Signature _____ Date <u>6/2/2022</u> CRS# EWCR750D</p>				
				SUB-TOTALS this page
				TOTALS-Carry forward to next page

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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
TOTALS brought forward from previous page				6120 Smithwood Rd. Liberty, NC 27298 United States 336-685-4423
				ACTT: 5350.6
Registration #: N583PU Manufacturer: Continental Motors Part/Model number: IO-360-ES Serial Number: 1037965 Work Order No: 145-282 Date: 8/15/2022				
Squawks 1- Drained engine oil and removed oil filter. Cut and inspected filter media with no defects noted. Installed new CH48108-1 oil filter. Serviced engine with 8 qts of Phillips 20w50 X/C. Performed post oil change engine run with no leaks noted. 2- Removed spark plugs. Cleaned, gapped and inspected plugs. No defects noted. Installed plugs and torqued to 30 ft. lbs in reference to Continental Standard practices Manual M-O.				
These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-282.				
Authorized Signature 				Date <u>5/15/2022</u> A&P <u>3694884 IA</u>



Registration : N583PU **Tach:** 5285.9 **Hobbs:** 5285.9 **Manufacturer:** Cirrus **Model number:** SR20
Aircraft Serial Number: 2043 **Work Order No:** 145-264 **Date :** 6/21/2022

1- Replaced diode p/n 1N4005 at BAT 2 relay with new diode and repaired bolster panel circuit in reference to AC 43.13-1B Chapter 11 Electrical Systems Standard practices and Cirrus SR20 MM Ch. 24. Performed operational checks with no defects noted.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-264.

Authorized Signature  Date 6/21/2022 CRS# EWCR750D

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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
TOTALS brought forward from previous page				



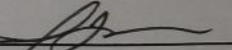
Registration #: N583PU
Manufacturer: Cirrus
Part/Model number: SR20
Serial Number: 2043
Work Order No: 145-282
Date: 8/15/2022

ACTT: 5350.6

Squawks

- 1- Reattached pilot seat recline lever in reference to Cirrus SR20 MM Ch. 25.
- 2- Adjusted Rosen visor bracket to secure visor.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-282.

Authorized Signature  A&P 3694884



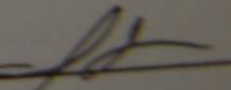
Registration #: N583PU
Manufacturer: Continental Motors
Part/Model number: IO-360-ES
Serial Number: 1037965
Work Order No: 145-305
Date: 11/28/2022

ACTT: 54
TSMO: 8

Squawks

- 1- Completed engine Annual Inspection per the manufacturer's Appendix D.
- 2- Engine Compressions: #1- 76, #2- 72, #3- 77, #4- 70.
- 3- Aircraft arrived with 120 hours since last oil change. Recommended doing a 25 hour oil change next and cut and inspected filter with no defects noted. Serviced CH48108-1 filter. Cleaned engine and performed g.
- 4- Removed spark plugs. Cleaned, gapped and inspected.
- 5- Removed fuel injectors, cleaned and installed in reference to Continental Standard practices Manual M-O.
- 6- Performed borescope inspection with no damage.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-305.

Authorized Signature 

TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page		

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

Registration #: N583PU
Manufacturer: Continental Motors
Part/Model number: IO-360-ES
Serial Number: 1037965
Work Order No: 145-282
Date: 8/15/2022

and removed oil filter. Cut and inspected filter media with no defects noted. Installed new CH48108-1
ne with 8 qts of Phillips 20w50 X/C. Performed post oil change engine run with no leaks noted.
s. Cleaned, gapped and inspected plugs. No defects noted. Installed plugs and torqued to 30 ft. lbs in
Standard practices Manual M-O.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the
repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-282.

A&P 3694884 JA Date 5/15/2022

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

h: 5285.9 Hobbs: 5285.9 Manufacturer: Cirrus. Model number: SR20
3 Work Order No: 145-264 Date: 6/21/2022

5 at BAT 2 relay with new diode and repaired bolster panel circuit in reference to AC
Systems Standard practices and Cirrus SR20 MM Ch. 24. Performed operational

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the
repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station

Date 6/21/2022 CRS# EWCR750D

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6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

Registration #: N583PU
Manufacturer: Cirrus
Part/Model number: SR20
Serial Number: 2043
Work Order No: 145-282
Date: 8/15/2022

Squawks
1- Reattached pilot seat recline lever in reference to Cirrus SR20 MM Ch. 25.
2- Adjusted Rosen visor bracket to secure visor.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-282.

Authorized Signature _____ A&P 3694884 JA Date 8/15/2022

6120 Smithwood Rd.
Liberty, NC 27298
United States
336-685-4423

Registration #: N583PU
Manufacturer: Continental Motors
Part/Model number: IO-360-ES
Serial Number: 1037965
Work Order No: 145-305
Date: 11/28/2022

Squawks
1- Completed engine Annual Inspection per the manufacturer's inspection guide or locally generated guide per CFR Part 43 Appendix D.
2- Engine Compressions: #1- 76, #2- 72, #3- 77, #4- 70, #5- 75, #6- 70/80 psi. MO-45 psi
3- Aircraft arrived with 120 hours since last oil change. Contacted Continental about over flying the oil change. They recommend doing a 25 hour oil change next and doing a borescope inspection now. Drained engine oil. Removed oil filter, cut and inspected filter with no defects noted. Serviced engine with 8 qts of Phillips 20w50 X/C and installed new CH48108-1 filter. Cleaned engine and performed ground run and leak checked. No leaks noted.
4- Removed spark plugs. Cleaned, gapped and inspected spark plugs. Installed plugs and torqued to 30 ft.lbs.
5- Removed fuel injectors, cleaned and installed in reference to Continental Standard Practices Manual M-O Ch. 6.
6- Performed borescope inspection with no damage to valves or cylinders noted at this time.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 145-305

Authorized Signature _____ A&P 3694884 JA Date 11/28/2022

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

TOTALS brought forward from previous page

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 12323 29-December-2022 WO# 121688-0
N583PU S/N 2043 CIRRUS SR20 Pg 1 / 1

ENGINE LOG
FLT HOBBS: 5497.5
OIL DRAINED, FILTER REMOVED AND CUT OPEN. NO VISUAL CONTAMINATES NOTED. ENGINE SERVICED WITH 8QTS
PHILLIPS 20W50X/C AND NEW AA108-2 OIL FILTER INSTALLED & SAFETIED. ENGINE RUN-UP, LEAK AND
OPERATIONAL CHECKS GOOD.

Albert Rodriguez 12/29/22
A&P 2630954 ALBERTO RODRIGUEZ



Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

Date: 2/24/2023; Aircraft: N583PU; Type: SR20; S/N: 2043; Tach: 5560.5; WO#: F23-1197

Engine Entries

Ran engine, drained oil and took sample. Removed and cut filter, no metal noted. Installed new filter P/N AA48108-2 and serviced engine with 8 qts of Phillips 20W50 X/C IAW Cirrus SR20 AMM 12-10. Ran engine, ops/leak check good.

Maintenance Release
The aircraft and/or component(s) as listed above was repaired in accordance with current Federal Aviation Regulations. Pertinent details are on file at this repair station.

Joe Leonard
JOE LEONARD CRS# BGSR439C

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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

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