



# **Continental Motors**

FAA PRODUCTION CERTIFICATION NO. 508

Printed: 04/20/2016

Test Date: 04/20/2016

*This engine model I0550N68B, serial number 1032305 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.*

  
**CONTINENTAL MOTORS, INC.**

Total Time

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

## MAINTENANCE RECORD

Date:	June 9, 2016	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs	20.6 / 20.6 / 26.7
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	20.6

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041607354

[500] Cirrus 25 Hour Delivery Quality Check II accomplished as follows:

- Performed engine 100 hour inspection i/a/w TCM ICA.
- Performed fuel pressure functional inspection i/a/w TCM SID97-3g.
- Cleaned fuel injectors i/a/w TCM ICA.

[500] Performed cylinder differential pressure test in accordance with TCM SB03-3:

# 1 = 77/80 # 2 = 74/80 # 3 = 76/80 # 4 = 76/80 # 5 = 76/80 # 6 = 75/80

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[500] Sent oil sample to Aviation Laboratories for analysis.

I certify that the above listed items have been completed, and with regard to the above items, that this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E

FAX (501) 374-2150

## MAINTENANCE RECORD

Date:	June 28, 2016	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	41.9 / 41.9 / 51.0
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	41.9

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041607408

[500] Accomplished Cirrus Scheduled Maintenance 50 Hour Interval Items (In-service Inspection I).

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

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## MAINTENANCE RECORD

Date:	December 15, 2016	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	106.0 / 106.0 / 125.9
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	106.0

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041607856

[001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 7 quarts SAE 20W-50 Phillips X/C Aviation Oil and 1 16oz bottle Cam Guard.

[002] Oil sample taken for analysis by Aviation Laboratories.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E

FAX (501) 374-2150

Total Time

Time Since Last  
Overhaul

## Engine Service and Maintenance Record

## MAINTENANCE RECORD

Date:	September 29, 2016	Page:	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #:	4358	Total Time / Flight Time / Hobbs:	83.4 / 83.4 / 98.8
Engine:	IO-550-N (68B)	Serial #:	1032305	Total Time:	83.4

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041607641

[001] Cirrus Scheduled Maintenance 100 Hour Interval Items (In-service Inspection II) accomplished as follows:

- Airworthiness Directives checked through Biweekly 2016-19.
- Performed engine 100 hour inspection.
- Performed fuel pressure functional inspection i/a/w Continental Maintenance Manual, Publication M-0.\*
- Visually inspected fuel nozzles for stains, security, and proper venting.
- Performed propeller 100 hour inspection.

[001] Cylinder differential pressure test:

#1 = 79/80      #2 = 79/80      #3 = 78/80      #4 = 76/80      #5 = 76/80      #6 = 74/80

[001] Changed engine oil and filter using new Champion CH48108-1 oil filter, 7 quarts SAE 20W-50 Phillips X/C Aviation Oil, and one 16 ounce bottle of Cam Guard Aviation oil additive.

[001] Fuel Injection Nozzles: removed, cleaned, and reinstalled.

[003] Complied with cylinder borescope inspection.

[005] Sent oil sample to Aviation Laboratories for analysis.

[008] Adjusted max fuel flow i/a/w Continental Maintenance Manual, Publication M-0.\*

\* Continental Maintenance Manual, Publication M-0 supersedes SID97-3G.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

GREGORY A SCHER

CRS No. HBKR587E  
FAX (501) 374-2150

## MAINTENANCE RECORD

Date:	February 3, 2017	Page:	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #:	4358	Total Time / Flight Time / Hobbs:	131.0 / 131.0 / 154.4
Engine:	IO-550-N (68B)	Serial #:	1032305	Total Time:	131.0

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041707982

[001] Cirrus Scheduled Maintenance 50 Hour Interval Items (In-service Inspection I) accomplished as follows:

- Cleaned engine cowl and performed engine operational inspection.
- Changed engine oil & filter.
- Inspected oil lines & fittings, spark plug cable leads, and air intake ducts and filter.
- Checked alternate air flapper valve operation.
- Drained & cleaned gascolator fuel filter and bowl.
- Performed Inspection/Check - Exhaust System.
- Inspected breather tube, cylinder drains, magnetos, and engine compartment.
- Performed magneto drop check.

[001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

THOMAS JOE PAPKA

CRS No. HBKR587E  
FAX (501) 374-2150

# MAINTENANCE RECORD

Date:	April 25, 2017	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	152.4 / 152.4 / 180.4
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	152.4

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041708196


- [001] Collected oil sample and sent to Aviation Laboratories for analysis.
- [002] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 7 quarts SAE 20W-50 Phillips X/C Aviation Oil and a 16 ounce bottle of Cam Guard.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

  
THOMAS JOE PAPKA

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E

FAX (501) 374-2150

AVIATION LABORATORIES  
1000 N. 10th St.  
Little Rock, AR 72202  
Phone: (501) 375-3245



Cirrus Design Factory Service Center

Address: 1000 N. 10th St.  
Little Rock, AR 72202  
Phone: (501) 375-3245  
Fax: (501) 374-2150

## Engine Entries

- (6) Performed an annual inspection of this engine in accordance with Cirrus Aircraft SR-22 AMM 105-20 inspection checklist. Compression check results: 1) 73/80 2) 73/80 3) 77/80 4) 72/80 5) 74/80 6) 72/80. Master on/off reading: 44. Replaced induction air filter element, PN 50207-200.
- (14) Drained engine oil. Serviced engine with 6 quarts of Philip 20W50XC engine oil. Replaced oil filter with new Tempest AW-40108-2. Performed particulate inspection on old filter and found no unusual contamination. Leak check performed with no discrepancies noted. Work accomplished in accordance with Cirrus Aircraft SR-22 AMM 12-10.
- (15) Performed engine setup per Continental Motors Manual M-16. Post setup operational and leak check performed with no discrepancies.
- (19) Replaced all valve cover gaskets IAW Continental Standard Practice Maintenance Manual M-10 10-6 1 2. Replace cylinder #3 heater IAW Cirrus SR22 AMM 71-00.
- (23) Replaced #1, #3 & #5 spark plug IAW Cirrus SR22 AMM 74-20.
- (36) I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

This work was performed on this aircraft and the accompanying engine and/or propeller. The aircraft, its frame, airframe and/or propeller or appliance, as defined by the FAA, was inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Reprint: 041708196. Work Order: TYS12915-06-2017

DATE: 7-6-2017

SIGNED:

Stephen Crook  
Central Flying Service, Inc.

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# MAINTENANCE RECORD

Date:	September 6, 2017	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	178.2 / 178.2 / 211.6
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	178.2

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041708519

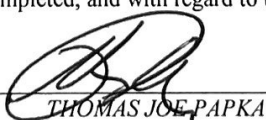
- [001] Collected oil sample and sent to Aviation Laboratories for analysis.
- Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 7 quarts SAE 20W-50 Phillips X/C Aviation Oil and a 16 ounce bottle of Cam Guard.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

  
THOMAS JOE PAPKA

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CRS No. HBKR587E

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# MAINTENANCE RECORD

Date:	November 28, 2017	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	202.3 / 202.3 / 240.1
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	202.3

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

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## Work Order 041708692

[500] Cirrus Scheduled Maintenance 50 Hour Interval Items (In-service Inspection I) accomplished as follows:

- Cleaned engine cowl and performed engine operational inspection.
- Changed engine oil & filter.
- Inspected oil lines & fittings, spark plug cable leads, and air intake ducts and filter.
- Checked alternate air flapper valve operation.
- Drained & cleaned gascolator fuel filter and bowl.
- Performed Inspection/Check - Exhaust System.
- Inspected breather tube, cylinder drains, magnetos, and engine compartment.
- Performed magneto drop check.

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 7 quarts SAE 20W-50 Phillips X/C Aviation Oil and a 16 ounce bottle of Cam Guard.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Thomas Papka

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
FAX (501) 374-2150

# MAINTENANCE RECORD

Date:	March 21, 2018	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	224.2 / 224.2 / 265.1
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	224.2

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041808975:

[001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[002] Collected oil sample and sent to Aviation Laboratories for analysis.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

THOMAS PAPKA

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# MAINTENANCE RECORD

Date:	May 31, 2018	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	252.4 / 252.4 / 296.1
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	252.4

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041809105:

[500] Cirrus Scheduled Maintenance 100 Hour Interval Items (In-service Inspection II) accomplished as follows:

[500] Cylinder differential pressure test:

#1 = 78/80 #2 = 78/80 #3 = 78/80 #4 = 79/80 #5 = 75/80 #6 = 78/80

[500] Changed engine oil and filter using new Champion CH48108-1 oil filter, 7 quarts SAE 20W-50 Phillips X/C Aviation Oil, and one 16 ounce bottle of Cam Guard Aviation oil additive.

[455] Fuel Injection Nozzles: removed, cleaned, and reinstalled.

[001] Removed, cleaned, and reinstalled all 12 spark plugs as required.

[003] Performed boroscope inspection of all the cylinders, no defects noted.

[004] Sent oil sample to Aviation Laboratories for analysis.

[050] Rocker cover gaskets p/n 655705 replaced with new on #4, & # 5 cylinders.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

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# MAINTENANCE RECORD

Date:	June 14, 2018	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	260.2 / 260.2 / 306.5
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	260.2

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.


## Work Order 041809158:

[001] Replaced defective starter with a new part, p/n 646275-1, s/n H-X-121710 removed s/n 4C3-091620.

I certify that the above listed items have been completed, and with regard to the above items, this **engine** has been approved for return to service.

Signed

Central Flying Service, Inc.  
1501 Bond Street, Little Rock, AR 72202

  
Thomas Papka  
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CRS No. HBKR587E  
FAX (501) 374-2150

# MAINTENANCE RECORD

Date:	August 10, 2018	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	316.0 / 316.0 / 268.3
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	316.0

The below listed items were accomplished in accordance with Cirrus SR22 Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 041809319:

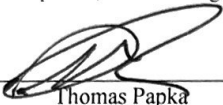
[001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[002] Collected oil sample and sent to Aviation Laboratories for analysis.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.  
1501 Bond Street, Little Rock, AR 72202

  
Thomas Papka  
Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
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# MAINTENANCE RECORD

Date:	September 20, 2018	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	274.3 / 274.3 / 322.8
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	274.3

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

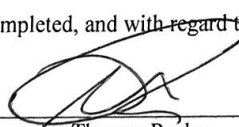
## Work Order 041809382:

[002] Engine removed from Cirrus model SR22 serial number 4358 at 274.3 aircraft hours.

I certify that the above listed items have been completed, and with regard to the above items, this **engine** has been approved for return to service.

Signed


Central Flying Service, Inc.  
1501 Bond Street, Little Rock, AR 72202

  
Thomas Papka  
Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
FAX (501) 374-2150


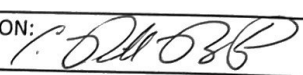
Date	Total Time		Time Since Last Overhaul		<b>Engine Service and Maintenance Record</b> Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hours	Min	Hours	Min	
Carried forward →					

DATE: October 29, 2018	ENGINE MODEL: IO550N68B	ENGINE S/N: 1032305	ENGINE T.T. 274.3
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**Continental Motors Services**

This engine was delivered to Continental Motors Services, Inc. for inspection due to a propeller strike. Engine disassembled, cleaned and inspected in accordance with CMI Overhaul Manual M-16 Revision July 2015 and CMI Procedures Manual M-0 Revision Dated January 2018. The following serialized items were installed as replacements: R/H Magneto SN D18HA066, L/H Magneto SN D18HA026. Cylinders were disassembled, cleaned, and repaired as required for serviceable condition. Engine assembled using new seals, gaskets and "O" rings. New connecting rod bolts, nuts and bearings and crankshaft bolts and bearings installed. Applicable Service Bulletins and Airworthiness Directives have been complied with. This engine has been assembled and tested in accordance with procedures listed in Maintenance/Overhaul Manual M-16 Revision Dated July 2015 and CMI Procedures Manual M-0 Revision January 2018 and has been accepted. I certify that this engine has been inspected and repaired as indicated above and was determined to be airworthy with respect to the work performed. Details of this repair are on record at this facility under Work Order ES-8479.

Complied with: CSB668, M87-23, M93-4, MSB94-8D, MSB96-10B, SB07-1, SB17-01A, SB653, SB658, SB97-11, SID96-6.

MECHANIC: 	9CER853B	AUTHORIZATION: 	9CER853B
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MAINTENANCE RECORD				
Date:	November 8, 2018	Page	1 of 1 Pages	Reg. No:
Aircraft:	Cirrus SR22	Serial #	4358	N501CG
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time / Flight Time / Hobbs:
				274.3 / 274.3 / 322.8
				Total Time:
				274.3

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041809382:

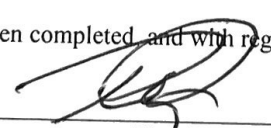
[002] Engine reinstalled following repair, (Repaired by Continental Motors Services, 9CER853B, on their work order ES-8479), and serviced engine with 9 quarts SAE 20W-50 Phillips X/C Aviation Mineral Oil. Operation and leak check good on ground run.

I certify that the above listed items have been completed, and with regard to the above items, this **engine** has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

  
Thomas Papka

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E

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Total Time

Time Since Last  
Overhaul

## Engine Service and Maintenance Record

MAINTENANCE RECORD				
Date	May 21, 2019	Page	1 of 1 Pages	Reg. No.
Aircraft	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs
Engine	IO-550-N (68B)	Serial #	1032305	Total Time:
				N501CG
				340.2 / 340.2 / 397.2
				340.2

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041909222

- [500] 100 Hour inspection complied with in accordance with Appendix D to 14 CFR Part 43 with reference to Cirrus and Continental Maintenance Manuals.
- [500] Cylinder differential pressure test:  
 #1 = 75/80 #2 = 78/80 #3 = 78/80 #4 = 78/80 #5 = 78/80 #6 = 78/80
- [500] Changed engine oil and filter using new Champion CH48108-1 oil filter, 8 quarts SAE 20W-50 Phillips X/C Aviation Oil.
- [452] Fuel Injection Nozzles: removed, cleaned, and reinstalled.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Thomas Papka

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
FAX (501) 374-2150

## MAINTENANCE RECORD

Date:	January 2, 2019	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	373.6 / 373.6 / 434.7
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	373.6

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041910351:

- [001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 7 quarts SAE 20W-50 Phillips X/C Aviation Oil and a 16 ounce bottle of Cam Guard.
- [002] Sent oil sample to Aviation Laboratories for analysis.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Thomas Papka

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
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## MAINTENANCE RECORD

Date:	February 21, 2020	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs:	409.6 / 409.6 / 474.8
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	409.6

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

Work Order 042010578:

- [001] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48108-1 oil filter and serviced engine with 8 quarts SAE 20W-50 Phillips X/C Aviation Oil and a 16 ounce bottle of Cam Guard.
- [002] Sent oil sample to Aviation Laboratories for analysis.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

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Thomas Papka

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# MAINTENANCE RECORD

Date:	July 20, 2020	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time / Flight Time / Hobbs	419.0 / 419.0 / 486.0
Engine:	IO-550-N (68B)	Serial #	1032305	Total Time:	419.0

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

## Work Order 042010862

- [500] 100 Hour inspection complied with in accordance with Appendix D to 14 CFR Part 43 with reference to Cirrus and Continental Maintenance Manuals.
- [500] Cylinder differential pressure test:  
 #1 = 74/80      #2 = 74/80      #3 = 76/80      #4 = 76/80      #5 = 75/80      #6 = 76/80
- [500] Changed engine oil and filter using new Champion CH48108-1 oil filter, 7 quarts SAE 20W-50 Phillips X/C Aviation Oil, and one 16 ounce bottle of Cam Guard.
- [453] Engine Induction Air Filter: Installed new filter element p/n BA-24.
- [454] Fuel Injection Nozzles: removed, cleaned, and reinstalled.
- [458] Cirrus SB2X-71-33 Release of Continental Motors Service Document SB18-08: Complied with. Blended cylinder and stamped intake push rod boss i/a/w Continental SB18-08. No cracks noted.
- [052] Adjusted magneto to engine timing.

I certify that the above listed items have been completed, and with regard to the above items, this engine has been approved for return to service.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

Phone: (501) 375-3245, (800) 888-5387

THOMAS PAPKA

CRS No. HBKR587E

FAX (501) 374-2150

# MAINTENANCE RECORD

Date:	December 22, 2020	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #:	4358	Hobbs / Flight:	522.5 / 452.2
Engine:	Continental IO-550-N	Serial#:	1032305		

The below listed items were accomplished in accordance with the Cirrus Service Manual and other approved or acceptable data as applicable.  
 Changed engine oil and filter using a new Champion CH48108-1 filter and 7 quarts Phillips20w50 oil.

Daniel Castleberry

*D. Castleberry*

A&P 3563302 IA

# MAINTENANCE RECORD

Date:	April 24, 2021	Page	1 of 1 Pages	Reg. No:	N501CG
Aircraft:	Cirrus SR22	Serial #:	4358	Hobbs / Flight:	554.4 / 480.9
Engine:	Continental IO-550-N	Serial#:	1032305		

The below listed items were accomplished in accordance with the Cirrus Service Manual and other approved or acceptable data as applicable.  
 Changed engine oil and filter using a new Champion CH48108-1 filter and 7 quarts Phillips20w50 oil.

Daniel Castleberry

*D. Castleberry*

A&P 3563302 IA

MAINTENANCE RECORD					
Date:	August 9, 2021	Page	1 of 1 Pages	Reg. No.	N501CG
Aircraft:	Cirrus SR22	Serial #	4358	Total Time	503.6 / 503.6 / 578.8
Engine:	IO-550 N (68R)	Serial #	1032305	Total Time:	503.6

The below listed items were accomplished in accordance with the Cirrus SR22/SR22T Aircraft Maintenance Manual and other approved or acceptable data as applicable.

**Work Order 04211553**

- [500] 100 Hour inspection complied with in accordance with Appendix D to 14 CFR Part 43 with reference to Cirrus and Continental Maintenance Manuals.
- [500] Cylinder differential pressure test:  
 #1 = 74/80    #2 = 76/80    #3 = 75/80    #4 = 77/80    #5 = 75/80    #6 = 76/80
- [500] Changed engine oil and filter using new Champion CH48108-1 oil filter, 7 quarts SAE 20W-50 Phillips X/C Aviation Oil, and one 16 ounce bottle of Cam Guard.
- [452] Engine Induction Air Filter: Installed new filter element p/n BA-24.
- [453] Fuel Injection Nozzles: removed, cleaned, and reinstalled.
- [454] Right Magneto: Complied with 500 Hour inspection by installation of rebuilt magneto, p/n BL-500556-1 s/n D21EA170R, (Rebuilt by Continental Aerospace Technologies, CRS# PQ1269CE under their W.O. 786101), removed s/n D18HA047.
- [455] **AD 2020-16-11 (09/21/2020) Reciprocating Cylinder Section:** Confirmed AD previously complied with and marked as required.
- [002] Left Magneto removed, p/n 10-500556-1 s/n D18HA026. Installed SureFly Ignition Module p/n SIM6C s/n 6C-2621007 I/A/W Installation Manual SF2001 Rev. B. per **STC SA04378CH**.

I certify that this engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Signed

Central Flying Service, Inc.

1501 Bond Street, Little Rock, AR 72202

THOMAS PAPKA

Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E  
FAX (501) 374-2150

wo: WO\_76

Engine - page 1 of

Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282

**N501CG**  
HOBBS: 637.0

**Continental, IO-550-(63B), S/N: 1032305**

**February 15, 2022**

Drained oil - Removed filter for inspection - Installed new oil filter and safety wired - serviced engine with ; qts. oil - No leaks at engine run.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Centric Aviation under work order: WO\_76.

James Herring A&P, IA 4231395

**SEE NEXT**

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	

Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

Carried forward →

wo: WO\_118

Engine - page 1 of

Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282

**N501CG**  
HOBBS: 637.0

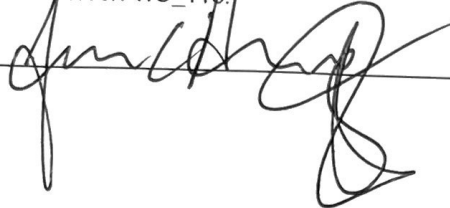
**Continental, IO 550 -N-68B, S/N: 1032305**  
SINCE NEW (HOBBS): TACH: 586.9  
586.9

**August 22, 2022**

Completed Annual inspection in accordance with FAR 43 Appendix D - Checked AD notes thru 2022-17  
Serviced all spark plugs - Drained oil - Removed filter for inspection - No contaminants noted - Installed new  
filter - Serviced engine with 8 Qts of oil - No leaks at engine run up - Compression check #1 71/80 #2 65/80  
#3 70/80 #4 69/80 #5 71/80 #6 73/80 - Complied with Sure Fly Instructions for Continued Airworthiness per  
Document # SF1005 rev. A - No defects noted - I certify this Engine has been inspected in accordance with  
an ANNUAL inspection and is approved for return to service Installed P/N AA48108-2 - Filter, Installed (7  
P/N 20W50 - Phillips Oil.

With respect to the work performed, this engine is approved for return to service. Details of work performed  
are on file with Centric Aviation under work order: WO\_118.

James Herring A&P, IA 4231395



wo: WO\_138

Engine - page 1 of

Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282

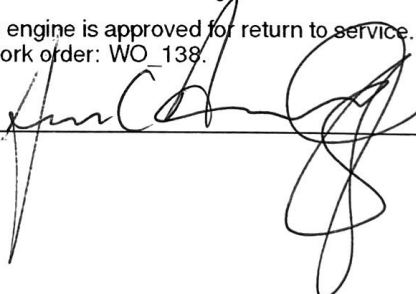
**N501CG**  
HOBBS: 700.1

**November 14, 2022**

Drained oil - Removed filter and opened for inspection - No contaminants noted - Installed new filter and  
safety wired - Serviced engine with 9 Qts oil - No leaks at engine run.

With respect to the work performed, this engine is approved for return to service. Details of work performed  
are on file with Centric Aviation under work order: WO\_138.

James Herring A&P, IA 4231395



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
Carried forward →					Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

wo: WO\_163

Engine - page 1 of 1

Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282

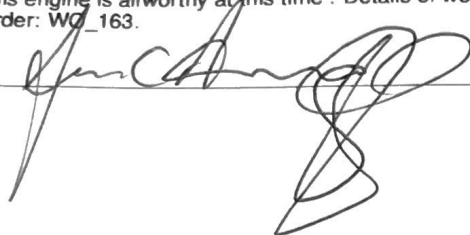
**N501CG**  
HOBBS: 728.9

**March 27, 2023**

Drained oil - Removed filter and opened for inspection - No contaminants noted - Installed new filter and safety wired - Serviced engine with 8 Qts of oil - No leaks at engine run.

With respect to the work performed, this engine is airworthy at this time. Details of work performed are on file with Centric Aviation under work order: WO\_163.

James Herring A&P, IA 4231395



wo: WO\_178

Engine - page 1 of 1

Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282

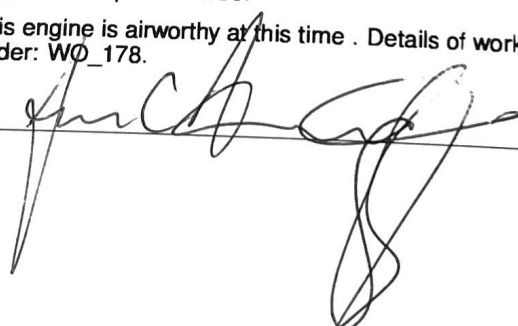
**N501CG**  
HOBBS: 671.0

**August 01, 2023**


Drained oil - Removed filter and opened for inspection - Installed new filter and safety wired - Serviced engine with 8 Qts of oil - Customer supplied Phillips XC 20/50.



With respect to the work performed, this engine is airworthy at this time. Details of work performed are on file with Centric Aviation under work order: WO\_178.


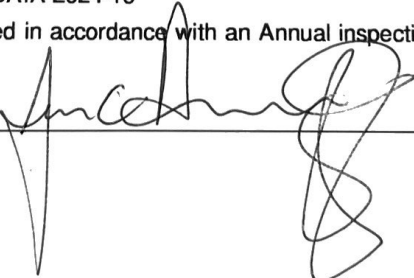
James Herring A&P, IA 4231395



Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record
	Hours	Min	Hours	Min	
<p>Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins</p>					
Carried forward →					

wo: 23-840		Engine page 1 of 2	
 DC Aviation Maintenance - 1100 Hill Farm Rd - Bryant, AR 72022 - 8708188044			
<b>N501CG</b> Flight: 674.8	<b>Continental, IO-550-N, S/N: 1032305</b> SINCE NEW (Flight): 674.8	<b>August 16, 2023</b>	
<p>1. Performed engine run-up and taxied aircraft. Operational checks satisfactory, no defects noted. I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in AIRWORTHY condition. IAW Appendix D to CFR part 43 Installed (12) P/N M674 - Spark plug gasket.</p> <p>2. C/W COMPRESSION TEST 1. 70/80, 2. 69/80, 3. 70/80, 4. 75/80, 5. 70/80, 6. 72/80. Results are within limits.</p> <p>3. Removed, inspected, and installed new oil filter IAW Cirrus SR22 MM chapter 12. No discrepancies. Installed P/N AA48108-2 - Tempest oil filter.</p> <p>4. Removed right magneto P/N BL-500556-1 S/N D21EA170R. Internally timed and installed IRAN magneto P/N BL-500556-1 S/N D21GA-79R. Ground ran and operational check good at this time. IAW Continental IO-550 overhaul manual.</p>			

wo: 23-840		Engine - page 2 of 2	
 DC Aviation Maintenance - 1100 Hill Farm Rd - Bryant, AR 72022 - 8708188044			
<p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with DC Aviation Maintenance under work order: 23-840.</p>			
<p>Daniel Castleberry AP / IA 3563302 </p>			

wo: WO_248		Engine - page 1 of 1	
 Centric Aviation - 2 North Main St Ste 302 - Medford, NJ 08055 - 850-290-8282			
<b>N501CG</b> Flight Hobbs: 736.8	<b>Continental, IO 550 N, S/N: 1032305</b> HOBBS: 839.1	<b>August 15, 2024</b>	
<p>Completed Annual inspection IAW FAR 43 Appendix D using manufacturers maintenance manual as a guide - Drained oil - Removed filter and inspected - No contaminants noted - Serviced engine with 7 Qts. of oil Phillips XC 20/50- Installed new oil filter and safety wired - Replaced all spark plugs with new URHB32E - Replaced induction air filter BA24 - C/W doc. # SF1005 rev. A Sure Fly ignition system - Compression check #1 69 #2 70 #3 73 #4 72 #5 70 #6 69 all over 80 psi - Complied with Air Wolf ICA W360 Rev. D Dated 5-12-2020 - Checked AD notes thru TDATA 2024-16</p> <p>I certify this Engine has been inspected in accordance with an Annual inspection and is Airworthy at this time</p>			
<p>James Herring A&amp;P, IA 4231395 </p>			