

# ENGINE LOG BOOK





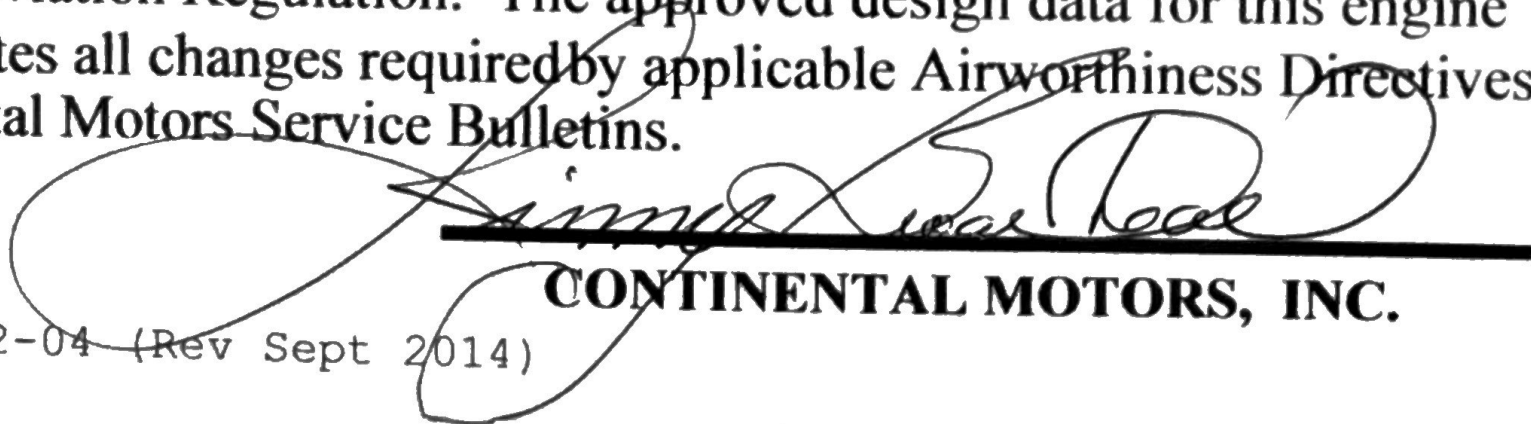
# Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed:10/21/2017

Test Date:10/21/2017

This engine model I0360ES27B, serial number 1034808 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.

  
**CONTINENTAL MOTORS, INC.**

Date: 12/01/2017; Aircraft: N424CD; Type: CIRRUS SR20; S/N: 1439; Hobbs: 1544.5; Total Time: 1544.5; Engine - Type: IO-360-ES(27)B, S/N: 1034808, Time:; Prop - Type: PHC-J3YF-1RF, S/N: FP9137B, Time: \*\*\*Engine\*\*\*

Installed engine, p/n IO360ES27, s/n 1034808, after rebuilt by Continental Motors, Inc, PC #508, WO# 615224 0000238569, dated 10/25/2017 on N424CD. Drained preserved oil. Serviced engine with 8 qts Phillips X/C 20W50 mineral oil. Completed an Annual inspection in accordance with FAR 43, Appendix D. Performed ground run, operational, and leak checks - 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.  
Doug Seibel  
A&P389765035 IA

*Doug Seibel* IA389765035

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3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
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920-261-4567

Record

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**A & M Maintenance Services, Inc. - 1C5**  
Clow International Airport, Bolingbrook, IL.

TYPE: CIRRUS SR20  
"N" #: N 424CD  
DATE: 06/29/2018

HOBBS TIME: 1590.8 Hrs.  
ENGINE T.T: 1590.8 Hrs.  
TSMOH:

At this time, the oil was drained and the filter was removed, cut open, and inspected, no contamination noted. The engine was serviced with eight quarts of Aeroshell 15W50 oil and a new Champion CH48108-1 oil filter was installed. The spark plugs were cleaned gapped tested, and rotated. The engine was ground ran, and checked for leaks, none noted at this time.

-----END-----

*John J. Blaha, Jr.*  
John J. Blaha, Jr.  
AP 2238954



DuPage Airport, West Chicago, IL 60185

Date: 2/22/2019 Aircraft: N424CD Model: Cirrus SR20 Serial: 1439 Invoice: 7687  
TT A/F: 1628.0 Hobbs: 1628.0 Eng TT: ~~1628.0~~ 83.5 \* Eng TSO: ~~83.5~~ BLANK

This engine has been given a 100hr/annual inspection in accordance with the manufacturer's checklist and following the guidelines of the F.A.R, Part 43, Appendix D, and Part 91, Subpart E.

- The engine oil was drained, the filter element removed, opened and inspected. No foreign matter or metal particles were found. Installed and safetied new oil filter P/N AA48108-2. Serviced engine with 8 qts of Phillips XC 20W50 oil. The engine was run and checked for leaks (none apparent).
- Removed, cleaned, gapped, tested, inspected and reinstalled spark plugs with new gaskets P/N M674.
- Compression check: Cylinder #1 - 74/80, #2 - 64/80, #3 - 68/80, #4 - 66/80, #5 - 64/80, #6 - 69/80. Master orifice: .040 - 49psi.
- Checked magneto to engine timing; adjusted to 24 degrees BTDC. Okay for service.
- The current status of applicable ADs was checked through 2019-04.

All work was performed in accordance with manufacturer's specifications and Federal Aviation Regulations. I certify that this ENGINE has been inspected in accordance with a 100hr/annual inspection and was determined to be in AIRWORTHY condition.

*Sean Garafolo*  
Sean Garafolo, AP 3743693 IA

END

**JW Aviation Inc. - 1C5, Clow International Airport, Bolingbrook IL**

TYPE: Cirrus SR20  
'N' #: N424CD

Tach: 1673.8 HRS  
DATE: 11/19/2019

At this time, the engine oil was drained and the filter was removed. The engine was serviced with a new Tempest AA108-2 oil filter and eight (8) quarts of Phillips 20W50 X/C oil.

-----END-----

*Morgan Ryan*  
Morgan Ryan  
A&P 3870351

\*  
CORRECTED LOG  
TO REFLECT CORRECT  
ENG TT TO 83.5 HRS.  
ENGINE WAS  
REBUILT TO ZERO  
TIME AT ACTT  
1544.5 (HOBBS)

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Aircraft #: N424CD Model: Cirrus SR20 Serial #: 1439  
Date: 05/20/2020 WO#: 20-123

ACTT: 1697.4 ENG TT: 152.9 PROP TT: 152.9  
HOBBS: 1697.4 ENG TSO: PROP TSO:

This ENGINE has been given an annual/100-hour inspection in accordance with the manufacturer's checklist and following the guidelines of the F.A.R. Part43, Appendix D, and Part 91, Subpart E.

- Drained oil. Removed oil filter, cut, inspected; no significant particles found. Installed new oil filter P/N AA48108-2 and safetied. Serviced engine with 7 qts Phillips 20W50 XC oil. Performed engine run up. Checked for leaks; none found. Okay for service.
- Performed compression check: Cylinders #1-69/80, #2-50/80, #3-60/80, #4-66/80, #5-62/80, #6-67/80; master orifice .040 at 44PSI.
- Removed spark plugs, cleaned, inspected, gapped and reinstalled using new gaskets P/N M674 (qty 10). Replaced two spark plugs with new P/N URHM-38S.
- Checked LH and RH magneto-to-engine timing; okay for service.
- Adjusted retaining ring on oil dipstick.
- Removed gascolator fuel filter, cleaned, inspected, and reinstalled.
- Performed leak check on fuel system boost pump. No leaks noted.

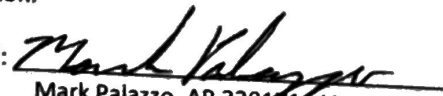
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Aircraft #: N424CD Model: Cirrus SR20 Serial #: 1439  
Date: 05/20/2020 WO#: 20-123

- Tightened alternator #1 belt tension and safetied.
- ADs were checked through 2020-10.

All work was performed in accordance with manufacturer's specifications and with current Federal Aviation Regulations. I certify that this ENGINE has been inspected or repaired in accordance an annual/100-hour inspection and was determined to be in AIRWORTHY condition.

Signed:   
Mark Palazzo, AP 320121 IA

END



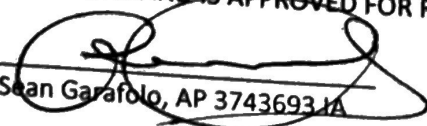
Aircraft #: N424CD Model: Cirrus SR20 Serial #: 1439  
Date: 09/08/2020 WO#: 20-276

HOBBS: 1740.2

The following work was accomplished:

- Drained oil. Took oil sample; sent out for analysis. Removed oil filter, cut, inspected; no significant particles found. Installed new filter P/N AA48108-2 and safetied. Serviced engine with 7 qts of Phillips 20W50 XC Oil. Performed engine run up. Checked for leaks. No leaks noted.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND MANUFACTURER'S RECOMMENDATIONS AND IS APPROVED FOR RETURN TO SERVICE.

Signed:   
Sean Garafolo, AP 3743693 IA

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Date	Total Time		Time Since Last Overhaul		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 →					



Aircraft #: N424CD      Model: Cirrus SR20      Serial #: 1439  
 Date: 05/25/2021      WO#: 21-183

ACTT: 1793.2    ENG TT: 248.7    PROP TT: 248.7  
 HOBBS: 1793.2    ENG TSO: N/A    PROP TSO: N/A

This ENGINE has been given an annual/100-hour inspection in accordance with the manufacturer's checklist and following the guidelines of the F.A.R. Part 43, Appendix D, and Part 91, Subpart E.

- Drained oil in accordance with CSB07-01A. No faults noted at this time. Took sample and sent for analysis. Removed oil filter, cut, inspected; no significant particles found. Installed new oil filter P/N AA48108-2 and safetied. Serviced engine with 7 qts Phillips 20W50 XC oil. Performed engine run up. Checked for leaks; none found. Okay for service.
- Performed compression check: Cylinders #1-69/80, #2-64/80, #3-62/80, #4-61/80, #5-68/80, #6-71/80; master orifice .040 at 43PSI.
- Removed spark plugs, cleaned, inspected, gapped and reinstalled using new gaskets P/N M674 (qty 11). Replaced #4 spark plug with new P/N URHM-38S.
- Checked LH and RH magneto-to-engine timing. Adjusted RH magneto to 24 degrees BTDC. Okay for service.
- Removed and replaced #6 CHT probe using new P/N 14880-001.



Aircraft #: N424CD      Model: Cirrus SR20      Serial #: 1439  
 Date: 05/25/2021      WO#: 21-183

CONTINUED

- Removed gascolator fuel filter, cleaned, inspected, and reinstalled using new oring P/N MS29513-137.
- ADs were checked through 2021-10.

All work was performed in accordance with manufacturer's specifications and with applicable Title 14 CFRs. I certify that this ENGINE has been inspected or repaired in accordance a 100 Hour/annual inspection and was determined to be in AIRWORTHY condition.

Signed:

  
 Sean Garafolo, AP 3743693 IA

END

# Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul		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



Aircraft #: N424CD      Model: SR20      Serial #: 1439  
 Date: 12/17/2021      WO#: 21-492

HOBBS: 1828.2

The following work was accomplished:

- Drained oil. Took oil sample for analysis. Removed oil filter, cut, inspected; no significant particles found. Installed new filter P/N AA48108-2 and safetied. Serviced engine with 7 qts of Phillips 20W50 XC oil. Performed engine run up. Checked for leaks. No leaks noted.

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH APPLICABLE TITLE 14 CODE OF FEDERAL REGULATIONS AND MANUFACTURER'S SPECIFICATIONS AND IS APPROVED FOR RETURN TO SERVICE AS IT RELATES TO THE WORK PERFORMED.

Signed:   
 Mark Palazzo, AP 3201711 IA

Date: 6/08/2022; Aircraft: N424CD; Type: CIRRUS SR20; S/N: 1439; Hobbs: 1861.0; Total Time: 1861.0; Engine - Type: IO-360-ES(27)B, S/N: 1034808, Time: 316.5; Prop - Type: PHC-J3YF-1RF, S/N: FP9137B, Time: 316.5

\*\*\*Engine\*\*\*  
 Completed an annual inspection in accordance with FAR 43, Appendix D (BP). Compression test performed in accordance with TCM Standard Practice Maintenance Manual M-0, compressions as follows: #1) 70/80, #2) 66/80, #3) 66/80, #4) 64/80, #5) 64/80, #6) 66/80. Master Orifice of the day 46/80. Performed borescope inspection per TCM Standard Practice Maintenance Manual M-0, no defects noted (BP). Changed oil and filter p/n AA48108-2 took sample, cut filter, no metal noted. Serviced engine with 8 qts Aeroshell 15W50 oil (BP). AD 22-04-04 STC Stratus oil filter adapter fiber gasket oil loss, N/A by not installed (BP). Replaced cylinder #2, #4 and #6 upper spark plugs p/n URHM38 with new (BP). Checked mag to engine timing. Checked engine control travels and lubricated. Cleaned and gapped spark plugs. Performed ground run, operational, and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Benjamin J. Pitterle  
 A&P390747277 IA

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 3606 Corben Court  
 Madison, WI 53704  
 608-268-5003



Wisconsin Aviation - Watertown  
 1741 River Drive  
 Watertown, WI 53094  
 920-261-4567

# Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	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

Carrier

Date: 10/14/2022; Aircraft: N424CD; Type: CIRRUS SR20; S/N: 1439; Total Time: 1918.7

\*\*\*Engine\*\*\*

Changed oil and filter p/n AA48108-2, took sample, cut filter, no metal noted. Serviced engine with 8 qts Phillips 20W50 XC oil. Ground run for ops and leaks check normal (CSH). All work performed in accordance with approved/current technical data.

Carlos Sampayo Hernandez  
A&P 45952999

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JW Aviation Inc. - IC5, Clow International Airport, Bolingbrook IL

TYPE: Cirrus SR20  
'N' #: N424CD  
DATE: 05/10/2023

Hobbs: 1964.0 HRS  
S/N: 1439

At this time, the engine oil was drained, and the filter was removed, cut open, and inspected; no contamination noted. An oil sample was taken for analysis. Engine was serviced with a new Tempest oil filter (P/N AA48108-2) and eight quarts of 20W50 Phillips X/C oil.

-----END-----

Morgan Rink A&P 3870351

Date: 7/01/2023; Aircraft: N424CD; Type: CIRRUS SR20; S/N: 1439; Hobbs: 1985.7; Total Time: 1985.7; Engine - Type: IO-360-ES(27)B, S/N: 1034808, Time: 441.2; Prop - Type: PHC-J3YF-1RF, S/N: FP9137B, Time: 441.2

\*\*\*Engine\*\*\*

Completed an annual inspection in accordance with FAR 43, Appendix D (des). AD 23-05-16 (03/15/2023) Crankshaft Assembly Counter Weight Retaining Rings inspection not applicable by engine serial number. Compression test performed in accordance with TCM Standard Practice Maintenance Manual M-0, compressions as follows: #1) 72/80, #2)64 /80, #3)68 /80, #4) 72/80, #5) 76/80, #6) 64/80. Master Orifice of the day 42/80. Performed borescope inspection per TCM Standard Practice Maintenance Manual M-0, no defects noted (des). Changed oil and filter p/n AA48108-2 took sample, cut filter, no metal noted. Serviced engine with 8 qts Phillips 20W50 XC (des). Replaced induction air filter p/n BA-24 with new (des). Removed, cleaned, tested and reinstalled fuel injection nozzles (CSH). Replaced #4 bottom spark plug p/n URHM38S with new (des). Performed ground run, operational, and leak checks - no defects noted. All work performed in accordance with approved/current technical data. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel  
A&P389765035 IA

1A389765035

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3606 Corben Court  
Madison, WI 53704  
608-268-5003



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1741 River Drive  
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JW Aviation Inc. - IC5, Clow International Airport, Bolingbrook IL

TYPE: Cirrus SR20  
'N' #: N424CD  
DATE: 06/21/2024

Hobbs: 2034.1 HRS  
S/N 1439

At this time, the engine oil was drained, and the filter was removed, cut open, and inspected; no contamination noted. An oil sample was taken for analysis. Engine was serviced with a new Tempest oil filter (P/N AA48108-2) and eight quarts of 20W50 Phillips X/C oil. Rebuilt magnetos (2ea P/N BL-500556-3) were internally timed, then set to 24 degrees BTC. Aircraft was ground run, ops check good.

-----END-----

Morgan Rink A&P 3870351

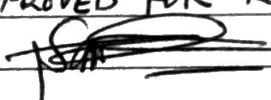
# Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	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 →

REG: N424CD      MAKE: CIRRUS      MODEL: SR20      SN: 1439  
 DATE: June 16<sup>th</sup> 2024      Hobbs: 2037.4  
 Engine: IO-360 ES(27)      SN: 1034808      TSN: 492.9  
 Accessed Engine and performed compression test. Result as listed  
 1) 74      2) 65      3) 65      4) 74      5) 70      6) 70  
 Master Orifice 46  
 Oil and filter were not renewed at this time because owner had just performed it.  
 Adjusted magneto timing to 24 degrees BTDC. Pressurized heat exchange chamber and inspection found satisfactory. Replaced three spark plug with new Tempest PN URHM 38S. Reinstalled cowlings, performed engine run up and checked for leak. No leaks detected.  
 I certify that this Engine has been inspected IAW an ANNUAL inspection as per the Cirrus AMM PN 13773-001 and the Tornado Alley ICA and has been determined to be in airworthy condition only for the work listed.  
 Otieno Oduor      A&P 3265490 IA

AUG 9<sup>th</sup> 2024 2050-6 REPLACED MANIFOLD PRESSURE SENSOR PN 12635-003  
 RUN-UP SATIS AIRCRAFT APPROVED FOR RTS  
 A&P 3265490 IA

MAKE: Cirrus Design Corp  
 MODEL: SR20  
 S/N: 1439  
 REG. NO: N424CD  
 ENGINE MAKE: CONTINENTAL  
 ENGINE MODEL: IO-360  
 ENGINE SN: 1034808



**All In Aviation Maintenance**  
 FAA Cert: L9OR473Y  
 2830 North Rancho Drive Ste. A  
 Las Vegas, NV 89130

W/O #: VGT13809-12-2024  
 DATE: 07-21-2025  
 AFTT: 2085.2  
 HOBBS: 2085.2

**Engine Entries**

Changed oil and filter. Cut open filter and checked for metal, none found. Serviced with 8 qts. of phillips 20w-50. Oil sample taken. Engine run and leak check good.

The aircraft and/or component identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this facility under the above WO number.

DATE: 07-21-2025      SIGNED:       WORK ORDER: VGT13809-12-2024  
 Travis Anderson      Printed by EBIS (EBISCloud.com)  
 FAA Cert: L9OR473Y

REG: N424CD      MAKE: CIRRUS      MODEL: SR20      SN: 1439  
 DATE: August 1<sup>st</sup> 2025      Hobbs: 2097.0  
 Engine: IO-360 ES(27)      SN: 1034808      TSN: 552.5  
 Accessed Engine and performed compression test. Result as listed  
 1) 70      2) 58      3) 72      4) 73      5) 66      6) 70  
 Master Orifice 45  
 Oil and filter were not renewed at this time because owner had just performed it.  
 Adjusted magneto timing to 24 degrees BTDC. Pressurized heat exchange chamber and inspection found satisfactory. Replaced one spark plug with new Tempest PN URHM 38S. Reinstalled cowlings, performed engine run up and checked for leak. No leaks detected.  
 I certify that this Engine has been inspected IAW an ANNUAL inspection as per the Cirrus AMM and has been determined to be in airworthy condition only for the work listed.  
 Otieno Oduor      A&P 3265490 IA
