

# ENGINE LOG BOOK



## Service Information

Consult the Continental Motors web site at [continentalmotors.aero](http://continentalmotors.aero) for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service documents that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at:  
1-888-826-5465 Toll free in the United States or  
1-251-436-8299 International

## Engine Returns

Return engines for core credit with this log book to:

**Continental Motors, Inc.**  
2039 Broad Street  
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:

**Continental Motors, Inc.**  
Factory Service Center  
8600 County Road 32  
Fairhope, Alabama 36532 USA

**USE ONLY FUEL SPECIFIED IN OPERATOR'S  
MANUAL OR TYPE CERTIFICATE DATA SHEET  
USE OF AUTOMOTIVE FUEL IS PROHIBITED**



# Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

Printed:04/28/2017

Test Date:04/28/2017

This engine model I0550N68B, serial number 1033948 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.

*Thomas Howard*

**CONTINENTAL MOTORS, INC.**

Date

ENGINE WORK  
CIRRUSS



Cirrus Design Factory Service Center

Engine Entries

119. Adjusted oil pressure to 55 PSI at cruise power with 100% RPM. Continental M-16

Work Order: TYS16896-06-2017  
Printed by EBIS3\_data@media.com

DATE 6/15/2017

SIGNED

Signature  
Cirrus Design Factory Service Center

Engine Model IO-550N  
Engine Serial # 1033948  
Reg. # N426GW

Date 6/21/2017  
AC Serial # 4520  
Hobbs 31.1  
AC TT 31.1

Engine Entry:

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to ALS for analysis. Service with 7 quarts Aero Shell 15W50 and 1.2Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

6/21/17

Date

Signed

Private Pilot Certificate no. 28542815

Model IO-550-N(68)  
S/N 1033948  
Reg # N426GW  
WO# 4012

Interstate Turbine Management  
6070 Perimeter Rd.  
North Charleston, SC 29406

Date 1/24/18  
FLT 95.9  
TTAF 95.9

Installed new starter P/N PL13484 S/N 1702001. Ground check good.


143663284 A&P


Engine Model IO-550N  
Engine Serial # 1033948  
Reg. # N426GW

Date 9/28/17  
AC Serial # 4520  
Hobbs 80.  
~~ACTT 80~~

Engine Entry:

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 9/28/17 Signed   
Private Pilot Certificate no. 28542815

Engine Model IO-550N  
Engine Serial # 1033948  
Reg. # N426GW

Date 11/28/2017  
AC Serial # 4520  
Hobbs 111.8  
~~ACTT 111.8~~

Engine Entry:

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 11/28/17 Signed   
Private Pilot Certificate no. 28542815

Engine Model IO-550N  
Engine Serial # 1033948  
Reg. # N426GW

Date 02/14/18  
AC Serial # 4520  
Hobbs 128.8  
~~ACTT 128.8~~

Engine Entry:

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.


Date 2/14/18 Signed   
Private Pilot Certificate no. 28542815

Engine Model IO-550N  
Engine Serial # 1033948  
Reg. # N426GW

Date 03/5/2018  
AC Serial # 4520  
Hobbs 174.3  
~~ACTT 174.3~~

Engine Entry:

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 3/5/18 Signed   
Private Pilot Certificate no. 28542815

This Page  
Entries copied  
from Airframe  
Manual

Where the user/installer performs work in accordance with the national regulatory authority of the country specified in Block I, it is essential that the user/installer ensures that his statements in Blocks 1a and 1a do not constitute installation certification in accordance with the national regulations by the

# 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 —

ENGINE MODEL  
10550N68B  
ENGINE S/N 1033948  
REG. NO. N426GW  
WORK ORDER  
30718-06-2018

**Commander Aero, Inc.**

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

DATE 6/22/2018  
AVC TSN 162.1  
ENG TT 162.1  
FLIGHTTIME 162.1

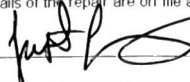
**Engine Entries**

(2) Completed Annual/100 hr. Inspection using the SR-22 Scheduled Inspection Report as a guide. AD's and MSB researched thru 2018-12.... (4) Checked Compression - 1) 60/80; 2) 70/80; 3) 60/80; 4) 70/80; 5) 64/80; 6) 64/80; M.O. 45/80... (5) Took Blackstone oil sample.... (6) Changed oil and filter. Serviced with Aeroshell 15W50 oil, CamGuard, and CH48108-1 filter. Cut open and inspected old filter, no defects noted.... (15) Removed both magnetos, checked internal timing of mags. (Did not open mags, only checked internal timing.) Found internal timing to be correct. Reinstalled both mags to engine and set timing to 22°.... (17) Replaced Oil Cooler assy with new p/n 658767.

I certify that this aircraft was inspected in accordance with an annual inspection and found to be airworthy. The aircraft and/or component(s) on N426GW was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 30718-06-2018

DATE: 6/22/2018

SIGNED:



Justin Sparks  
Certified Repair Station No. GA5R-876M

Work Order: 30718-06-2018

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ENGINE MODEL  
10550N68B  
ENGINE S/N 1033948  
REG. NO. N426GW  
WORK ORDER  
31037-06-2019



**First Flight Aviation**

Repair Station No. GA5R-876M  
10570 Springboro Pike  
Miamisburg, Ohio 45342 USA  
Phone: 937-885-5580

DATE 6/20/2019  
AVC TSN 249.1  
ENG TT 249.1  
FLIGHTTIME 249.1

**Engine Entries**

(2) Completed Annual Inspection using the SR22 scheduled Inspection Report as a reference. AD's and MSB researched thru 2019-12.  
(4) Checked Compression - 1) 61/80; 2) 62/80; 3) 58/80; 4) 65/80; 5) 60/80; 6) 55/80; MO 43/80.  
(5) Changed oil and filter. Serviced with Aeroshell 15W50 oil, AA48108-2 filter, and CamGuard. Cut open and inspected old filter, no defects noted.  
(6) Took Blackstone oil sample.

I certify that this aircraft was inspected in accordance with an annual inspection and found to be airworthy. The aircraft and/or component(s) on N426GW was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 31037-06-2019

DATE: 6/20/2019

SIGNED:



Sparks, Justin  
Certified Repair Station No. GA5R-876M

Work Order: 31037-06-2019

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Date 09/27/2019

Engine Serial # 1033948

Engine Model IO-550N

Reg. # N426GW

AC Serial # 4520

Hobbs 333.8

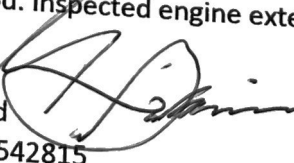
AC TT 272.8

**Engine Entry:**

Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 9-27-19

Signed



Private Pilot Certificate no. 28542815

# Engine Service and Maintenance Record

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

Engine Model IO-550N  
 Engine Serial # 1033948  
 Reg. # N426GW

Date 02/03/2020  
 AC Serial # 4520  
 Hobbs 366.6  
 AC TT 366.6

Carried forward →

**Engine Entry:**  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 2/3/2020 Signed   
 Private Pilot Certificate no. 28542815

ENGINE MODEL IO550N68B  
 ENGINE S/N 1033948  
 REG NO N426GW  
 WORK ORDER 31758-06-2020



**First Flight Aviation**  
 10600 Springboro Pike  
 Miamisburg, Ohio 45342 USA  
 Phone 937-885-5580

DATE 6/25/2020  
 A/C TSN 319.3  
 ENG TT 319.3  
 FLIGHTTIME 319.3

### Engine Entries

- (3) Completed Annual inspection in accordance with FAR 91.409, referencing the Cirrus SR 22 maintenance manual. This engine has been determined to be airworthy. AD's researched thru current date.
- (5) Checked Compression - 1) 62/80; 2) 65/80; 3) 56/80; 4) 66/80; 5) 55/80; 6) 66/80; MO 42/80.
- (6) Changed oil and filter. Serviced with Aeroshell 15W50 oil, CamGuard, and AA48108-2 filter. Cut open and inspected old filter, no defects noted.
- (7) Took Blackstone oil sample
- (13) Removed, cleaned, inspected and resealed all fuel injectors.

I certify that this aircraft was inspected in accordance with an annual inspection and found to be airworthy. The aircraft and/or component(s) on N426GW was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 31758-06-2020

DATE: 6/25/2020

SIGNED: 

Work Order: 31758-06-2020

Warren, Josh, IA 3823176

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ENGINE MODEL IO550N68B  
 ENGINE S/N 1033948  
 REG NO N426GW  
 WORK ORDER 32102-10-2020



**First Flight Aviation**  
 10600 Springboro Pike  
 Miamisburg, Ohio 45342 USA  
 Phone 937-885-5580

DATE 10/29/2020  
 A/C TSN 340.5  
 ENG TT 340.5  
 FLIGHTTIME 340.5

### Engine Entries

- (3) Complied with AD2020-16-11 in accordance with MSB 18-08B Inspection and Maintenance Modification of all Cylinder Assemblies. No further action required.

### Maintenance Release

The aircraft and/or component(s) on N426GW was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this repair station under Work Order No. 32102-10-2020

DATE: 10/29/2020

SIGNED: 

Work Order: 32102-10-2020

Warren, Josh, A&P 3823176

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Where the user/installer performs work in accordance with the national registry country specified in Block 1, it is essential that the user/installer ensures that his/her work complies with the authority of the country specified in Block 1.

# Engine Service and Maintenance Record

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

Carried forward →

Date 11/02/2020  
 Engine Serial # 1033948 AC Serial # 4520  
 Engine Model IO-550N  
 Reg. # N426GW Hobbs 422.4  
 AC FT 343.2

Engine Entry:  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 11/2/2020  
 Signed *[Signature]*  
 Private Pilot Certificate no. 28542815

Date 03/20/2021 AC Serial # 452  
 Engine Serial # 1033948 Hobbs 455.7  
 Engine Model IO-550N AC FT 370.0  
 Reg. # N426GW

Engine Entry:  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.

Date 3/20/2021 Signed *[Signature]*  
 Private Pilot Certificate no. 28542815

ENGINE MODEL  
 IO550N68B  
 ENGINE S/N 1033948  
 REG. NO. N426GW  
 WORK ORDER  
 32611-06-2021



**First Flight Aviation**  
 10600 Springboro Pike  
 Miamisburg, Ohio 45342 USA  
 Phone 937-885-5580

DATE 6/25/2021  
 A/C TSN 394.5  
 ENG TT 394.5  
 FLIGHTTIME 394.5

**Engine Entries**

- (3) Completed an Annual Inspection with the scope and detail of Appendix D to FAR 43, referencing the Cirrus SR22 maintenance manual. This engine has been determined to be airworthy. AD's researched thru current date.
- (5) Checked Compression - 1) 52/80; 2) 64/80; 3) 53/80; 4) 60/80; 5) 66/80; 6) 54/80; MO 45/80.
- (6) Borescope inspected all cylinders. No defects noted.
- (7) Changed oil and filter. Cut open and inspected old filter, no defects noted. Serviced with Aeroshell 15W50 oil and CamGuard.
- (8) Took Blackstone oil sample.
- (15) Replaced all spark plugs with new URHB32E.

I certify that this aircraft was inspected in accordance with an annual inspection and found to be airworthy  
 The aircraft and/or component(s) on N426GW was repaired and inspected in accordance with current FAR's rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No 32611-06-2021

DATE: 6/25/2021

SIGNED:

*[Signature]*

Work Order: 32611-06-2021

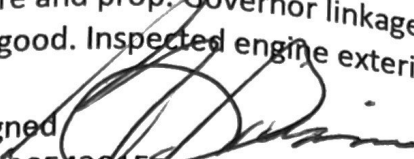
Sparks, Justin, IA 3442636

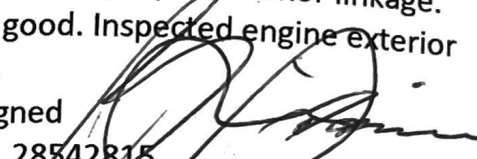
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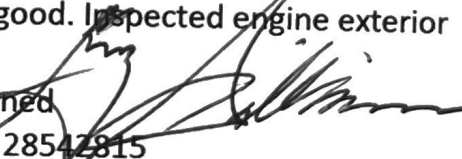
# Engine Service and Maintenance Record

Date	Total Time		Time Since Last Overhaul	
	Hours	Min	Hours	Min

Carried forward →

Date 10/7/2021  
 Engine Serial # 1033948  
 Engine Model IO-550N  
 Reg. # N426GW  
 Engine Entry:  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.  
 Date 10/7/2021 Signed   
 Private Pilot Certificate no. 28542815  
 AC Serial # 4520  
 Hobbs 506.2  
 AC FT 410.7

Date 12/29/2021  
 Engine Serial # 1033948  
 Engine Model IO-550N  
 Reg. # N426GW  
 Engine Entry:  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.  
 Date 12/29/2021 Signed   
 Private Pilot Certificate no. 28542815  
 AC Serial # 4520  
 Hobbs 538.6  
 AC FT 436.3

Date 04/18/2022  
 Engine Serial # 1033948  
 Engine Model IO-550N  
 Reg. # N426GW  
 Engine Entry:  
 Changed Oil and Filter. Cut open filter and checked for metal, none found. Oil sample sent to Blackstone Labs for analysis. Service with 7 quarts Aero Shell 15W50 and 12Oz. of CamGuard. Checked brake fluid and topped off. Lubricated, throttle, mixture and prop. Governor linkage. Ran up engine leak tested good. Inspected engine exterior good. Returned to service.  
 Date \_\_\_\_\_ Signed   
 Private Pilot Certificate no. 28542815  
 AC Serial # 4520  
 Hobbs 560.0  
 AC FT 451.1



