

N729AJ

ENGINE LOG BOOK



Publication ELB-01

NOV 2013

N729 AJ

Service Information

Consult the Continental Motors web site at 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: 03/31/2015

Test Date: 03/27/2015

This engine model I0550N68B, serial number 1011979 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.

Form 6012-03 (Rev Sept 2014)



719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

September 17, 2015

N729AJ
Engine

Hobbs :29.1
Flight Hobbs 20.6

e Record

performed 25 hour inspection IAW cirrus 25 hour inspection checklist.
Performed compression 1)71 2)76 3)72 4)64 5)70 6)68. Drained oil and removed filter, took and sent black stone oil sample. Cut open filter and no defects noted at this time. Serviced engine with 8 Qts of Aeroshell 100D oil and one ch48108-1 filter. Removed and inspected gascolator fuel bowl and no defects noted at this time. Cleaned engine and ran aircraft, all leak and operation checks were satisfactory

removal and
less Directives,

Brendan Cercone
3745798 A&P

Bd

ENGINE MODEL IO 550 N
ENGINE S/N 1011979
REG NO N729AJ
WORK ORDER 17504-10-2015



Cirrus Design Factory Service Center

Repair Station No YD5R855Y
4961 Airport Road
Duluth, MN 55811
Phone 218-788-3049

DATE 11/9/2015
A/C TSN 28 6
ENG TT 28 6
FLIGHTTIME 28 6

Engine Entries

(14) Changed engine oil and filter, Tempest AA48108-2, P/N 50857-001. Serviced engine with 8 quarts of AEROSHELL 100 engine oil. Performed particulate inspection on old filter, checked satisfactory. Performed operational and leak checks. Op's and leak checks good. All work was accomplished IAW Cirrus SR22 A.M.M. 12-10.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of this work order are on file at this Certified Repair Station CRS YD5R855Y.

DATE: 11/9/2015

SIGNED:

Work Order: 17504-10-2015

Glenn Nelson
Certified Repair Station No YD5R855Y

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719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

May 20, 2016

N729AJ
Engine

52.1 Hobbs
37.1 Flight Hobbs

Performed Cylinder compression test: #1: 70, #2: 71, #3: 71, #4: 68, #5: 69, #6: 72.
Oil and filter changed. Serviced with 7 quarts Phillips 20-50w and CH48108-1 oil filter. Took and sent Blackstone oil sample. Added cam guard oil additive.
I certify that this Engine has been inspected in accordance with an 100 Hour Inspection and FAR 43 Appendix "D" was found to be in an airworthy condition.

Brendan J. Cercone
3745798 A&P

Bd



719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

December 2, 2016

N729AJ
Engine

82.3 Flight Hobbs
109.0 Hobbs

Performed 50 hour inspection IAW cirrus 50 hour inspection checklist.
Drained oil and removed filter, took blackstone oil sample. Serviced engine with 7 Quarts of Phillips 20w-50 oil with Camguard oil additive and one AA48108-2 filter. Cleaned engine and ran aircraft, all leak and operation checks are satisfactory at this time.

Mark Roisen
506742944 A&P

Mark Roisen



719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-0559

MAY 10, 2017

N729AJ
Engine



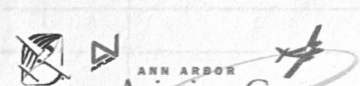
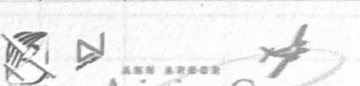
89.1 Flight Hobbs
118.2 Hobbs

Compression test: #1: 71, #2: 72, #3: 72, #4: 68, #5: 71, #6: 72.
Oil and filter changed. Oil sample taken. Serviced engine with 7 quarts of Aeroshell 20W-50W and CH48108-1 oil filter. Added Camguard oil additive. Cleaned and gaped spark plugs. Engine washed, run-up leak check OK.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and FAR Part 43 Appendix "D" was determined to be in airworthy condition.

Trevor Moehl
3554241 A&P

Trevor Moehl

	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
Date	 <div style="float: right; font-size: small;"> 719 Airport Drive Ann Arbor, MI 48108 Phone 734-662-6806 Fax 734-662-0559 </div>			
Carried for	February 27, 2018	N729AJ Engine	103.2 Flight Hobbs 145.4 Hobbs	<div style="float: right;">and tives,</div> <p>Drained oil and removed filter, took Blackstone oil sample. Serviced engine with 7 Quarts of Phillips 20w-50 oil with Camguard oil additive and one CH48108-1 filter. Cleaned engine and ran aircraft, all leak and operation checks are satisfactory at this time.</p> <p>Trevor Moehl 3554241 A&P <i>Trevor Moehl</i></p>
	August 23, 2018	N729AJ Engine	121.9 Flight Hobbs 163.2 Hobbs	 <div style="float: right; font-size: small;"> 719 Airport Drive Ann Arbor, MI 48108 Phone 734-662-6806 Fax 734-662-0559 </div> <p>Compression test: #1: 69, #2: 71, #3:68, #4:60, #5:70, #6: 70 Oil and filter changed. Oil sample taken. Serviced engine with 7 quarts of Aeroshell 20W-50W and CH48108-1 oil filter. Added Camguard oil additive. Cleaned and gaped spark plugs. C/W SB2x-79-08 (Remote oil Pressure Sensor Installation) Installed Kit #70605-001 per SB. No further action required. Engine washed, run-up leak check OK. <i>I certify that this Engine has been inspected in accordance with a 100 hour inspection and FAR Part 43 Appendix "D" was determined to be in airworthy condition.</i></p> <p>Mark Roisen 506742944 A&P <i>Mark C Roisen</i></p>
	14 May 2019	N729AJ Engine	127.2 Flt. Hobbs 174.8 Hobbs	 <div style="float: right; font-size: small;"> 719 Airport Drive Ann Arbor, MI 48108 Phone 734-662-6806 Fax 734-662-0559 </div> <p>Drained oil and removed filter. Serviced engine with (7) qts. Phillips 20W50 oil, Camguard oil additive and replaced oil filter (CH48108-2). Washed engine, ran up aircraft and leak checked, all ok at this time.</p> <p>Mark C Roisen 506742944 A&P <i>Mark C Roisen</i></p>
	27 September 2019	N729AJ Engine	152.2 Flt. Hobbs 208.8 Hobbs	 <div style="float: right; font-size: small;"> 719 Airport Drive Ann Arbor, MI 48108 Phone 734-662-6806 Fax 734-662-0559 </div> <p>Compression test: 1[74], 2[74], 3[75], 4[66], 5[75], 5[72]. Oil and filter changed. Serviced engine with 7 qts. Aeroshell 20W50 oil and Camguard oil additive. Replaced oil filter with 1 ea. CH48108-1 filter; took oil sample and sent out for analysis. Cleaned and gapped spark plugs; repaired lower cowl aluminum tape and cowl chafe strips as needed. Washed engine and leak checked ok, all operational checks in spec. <i>I certify that this engine has been inspected in accordance with a 100 hr. inspection and FAR Part 43 App. "D" and was determined to be in airworthy condition.</i></p> <p>Mark C Roisen 506742944 A&P <i>Mark C Roisen</i></p>

2

Date
04/27/2020

27 April 2020 **N729AJ** **172.7 Flt. Hobbs**
Engine **247.2 Hobbs**

Drained oil and removed filter. Serviced engine with (7) qts. Phillips 20W50 oil, Camguard oil additive and replaced oil filter (CH48108-2). Washed engine, ran up aircraft and leak checked, all ok at this time.

Mark C Roisen
506742944 A&P *Mark C Roisen*

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-6559

13 October 2020 **N729AJ** **217.5 Flt. Hobbs**
Engine **285.6 Hobbs**

Compression test: 1[74], 2[72], 3[72], 4[62], 5[74], 5[72]. Oil and filter changed. Serviced engine with 7 qts. Aeroshell 20W50 oil and Camguard oil additive. Replaced oil filter with 1 ea. CH48108-1 filter; took oil sample and sent out for analysis. Cleaned and gapped spark plugs; repaired lower cowl aluminum tape and cowl chafe strips as needed.
C/W AD 2020-16-11, cylinder inspection and file casting marks as required; replaced points in right mag and retimed both mags to specifications. Washed engine and leak checked ok, all operational checks in spec.
I certify that this engine has been inspected in accordance with a 100 hr. inspection and FAR Part 43 App. "D" and was determined to be in airworthy condition.

Mark C Roisen
506742944 A&P *Mark C Roisen*

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-6559

16 December 2020 **N729AJ** **227.9 Flt. Hobbs**
Engine **300.0 Hobbs**

Replaced left and right magnetos with new, P/N 10-500556-1, S/N's I-11445 and I-11437. All ops checks good.

Mark C Roisen
506742944 A&P *Mark C Roisen*

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-6559

10 March 2021 **N729AJ** **243.0 Flt. Hobbs**
Engine **320.4 Hobbs**

Drained oil and removed filter. Serviced engine with (7) qts. Phillips 20W50 oil, Camguard oil additive and replaced oil filter (CH48108-2). Washed engine, ran up aircraft and leak checked, all ok at this time.

Mark C Roisen
506742944 A&P *Mark C Roisen*

719 Airport Drive
Ann Arbor, MI
48108
Phone 734-662-6806
Fax 734-662-6559

Date: 9/20/2021; Aircraft: N729AJ; Type: CIRRUS SR22; S/N: 4208; Hobbs: 279.0; Total Time: 279.0; Engine - Type: IO-550 - N68B, S/N: 1011979, Time: 279.0, SMOH: 279.0

Engine Work
Completed an Annual inspection, in accordance with FAR 43, Appendix D.
Changed oil and filter p/n AA8108-2, took sample, cut filter, no metal noted, serviced engine with 7 qts. 20W50 Phillips and 1 pint Camguard P/N K-245-100ALS. Compression test as follows: #1)71/80, #2)66/80, #3) 67/80, #4) 50/80, #5) 72/80, #6) 70/80. Master orifice 43/80. Cleaned, gapped and tested spark plugs. Checked mag to engine timing. Checked engine control travels and lubricated. Ground run for ops and leak ck normal. 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.
Timothy Woods
AP3645554 IA *Timothy Woods*

- Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003
- 
- Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

Elite Aircraft Services

501 W. Hangar St. Sioux Falls SD

605-809-5304

DATE	MAKE/MODEL	TACH/HOBBS	SMOH/CYCLES	REGISTRATION	SERIAL NUMBER
12/15/2021	Cirrus SR22	Flight: 315.3 Hobbs: 410		N729AJ	4208
Engine Model TCM IO-550-N	Engine S/N 1011979				

- Drained oil. Removed, cut, and inspected oil filter for contamination. None found.
- Installed new filter p/n CH48108-1 and replenished oil with 7 quarts of Phillips XC 20W50.
- Leak run good.

MAINTENANCE RELEASE: The aircraft and/or component identified was repaired IAW current FAA Regulations for return to service.

Signed: 

Logan Parr AP3763566

Quality Aviation, Inc.

3401 W. Trunk Hwy 21
Faribault, MN 55021
1-866-865-1777

N729AJ Engine Log book entry. Continental Motors IO-550-N S/N 1011979

Date: 09/21/2022 Hobbs: 459.0 Engine TT: 356.0

Complied with a Annual inspection in accordance with 14 CFR 43, Appendix D using the Cirrus Design SR-22 service manual as a guide.

* Compression check #1 71/80 #2 66/80 #3 70/80 #4 Replaced/80 #5 72/80 #6 62/80.

* The #4 cylinder was removed and repaired by Horizon Aircraft Engine Services (CRS# YZ8R163C), reference their W/O 34891 for repair details. The repaired cylinder was installed per Continental Motors Standard Practice maintenance manual, M-0 10-6.1. The engine was ground ran, functional and leak checked and was found to be satisfactory.

* The left muffler was replaced with a new FAA/PMA muffler P/N A14836-001 from Aerospace Welding Minneapolis Inc.

* Complied with Continental Motors service bulletin SID97-3G (effective 10/21/2015) fuel system functional test and inspection. The fuel pressure checked per Continental Motors Standard Practice Maintenance manual Table 6-4.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 3496061 

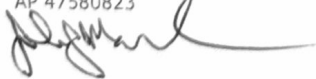


APG Aviation - Maintenance & Repair
28000 Airport Rd. A-17 Punta Gorda, FL 33982
Tel 941-575-8605 · Fax 941-575-8734 · aa@avionix.com

N729AJ ENGINE LOG DATE 02-17-23 ENG 399.6 FLT 366.2 HOBBS 514.5

DRAINED OIL, R/R OIL FILTER AA48108-2, SAFTIED. INSPECTED OLD FILTER FOR METAL, NONE FOUND. SERVICED ENGINE WITH PHILLIPS X/C 20W50. COLLECTED AVLAB OIL SAMPLE. REMOVED STARTER C24ST3 AND INSTALLED NEW STARTER PL13484 S/N H-W062672. UPDATED WEIGHT AND BALANCE/EQUIPMENT LIST. OPERATIONAL AND LEAK CHECK SATISFACTORY. MAINTENANCE CARRIED OUT IAW CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

JOHN MCCORMACK
AP 47580823



Date	Total Time		Time Since Last Overhaul		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
	Hours	Min	Hours	Min	

Carried forward →



APG Aviation -- Maintenance & Repair
28000 Airport Rd A-17 Punta Gorda, FL 33982
Tel 941-575-8605 · Fax 941-575-8734 · aa@avionix.com

10-16-2023 N729AJ CIRRUS SR22 ASN 4208 HM 571.9 FLT 444.1 ENG 444.5

CW THE 100hr INSPECTION IAW CIRRUS SR22 AMM INSPECTION CHECKLIST CH 05-20 AND CAT M-O. COMPRESSIONS OVER 80: 1)70 2)64 3)73 4)73 5)68 6)68. M.O 44/80. CHANGED OIL AND FILTER. SERVICED WITH 8qts PHILLIPS XC 20W-50 AND FILTER AA48108-2. CUT AND INSPECT FILTER. INSTALL, TORQUE, AND SAFETY NEW FILTER. ADD 1pt CAMGUARD. AVLAB SAMPLE TAKEN. SERVICE FUEL INJECTORS. SERVICE GASCOLATOR. INSPECT MAGNETO TO ENGINE TIMING. CLEAN, GAP, AND ROTATE SPARK PLUGS. REPLACE 1ea FAILED SPARK PLUG URHB32E. LUBRICATE MIXTURE CABLE AND QUADRANT CAM FOR PROPER OPERATION. REPLACE ENGINE MANIFOLD DRAIN 26939-002. REPLACE #1 EXHAUST RISER 15080-001. REPLACE #4 EXHAUST RISER 15073-001. REPLACE RIGHT SIDE BAFFLE 15471-007. REPLACE A/C DRIVE GARLOC SEAL 25102. CORRECTED INSTALL OF REMOTE-MOUNT OIL PRESSURE SENSOR IAW SB2X-79-08. REPLACE #4 EGT SENSOR 24585-001. AD2020-16-11 CROSS FLOW CYLINDER ASSY FOUND PCW 10-13-2020 217.5 FLT HM. AD2023-02-12 INTAKE VALVE FAILURES NA SUSPECT PARTS NOT INSTALLED. AD2023-05-16 COUNTERWEIGHT RETAINING RINGS NA IAW MSB23-01A. AD2023-09-09 SPOT-WELDED MULTI-SEGMENT V-BAND CLAMPS NA BY INSTALLATION. AD2023-17-04 NA STC NOT INSTALLED. OPERATIONAL AND LEAK CHECK SATISFACTORY.

THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AS PER CIRRUS SR22 AMM CH 05-20, CAT M-O, AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION. MAINTENANCE CARRIED OUT IAW CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED. ADS THROUGH BI-WEEKLY 2023-20.

ZUMIEL OLIVAR
3108620 IA

TTE 444.1 FLT

Harford Air Services Maintenance Log
3538 Aldino Rd N729AJ
Churchville, MD 21028
410-836-2828

April 4, 2024 Flight: 496.0 Hobbs: 652.1

Description of work done: Engine

- 1) Changed oil with 7qts Phillips 20W50XC and Camguard
- 2) Changed oil filter with AA48108 - 2
- 3) Replaced #2 cylinder push rod tube I.A.W. AirWolf STC and valve cover gasket RG-632459
- 4) Ground ran, leak checked, OPS check OK.

Nicholas St. Clair Hess


Nicholas St. Clair Hess

A&P 4267419

Date	Total Time	Time Since Last Overhaul	Engine Service and Maintenance Record	
			Record maintenance actions including engine part removal and thickness Directives, pins	

Carried forward

Harford Air Services Maintenance Log
 3538 Aldino Rd N729AJ
 Churchville, MD 21028
 410-836-2828

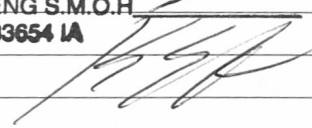

HARFORD AIR SERVICES
 The Best in Aviation

July 10, 2024 Tach: 537.6 Hobbs: 715.6


Description of work done: Engine

- 1) Changed oil with 7qts Phillips 20W50XC and 1 can Camguard
- 2) Changed oil filter with AA48108-2
- 3) Replaced spark plugs with URHB32E.
- 4) Compression checked: #1 69/80, #2 52/80, #3 70/80, #4 70/80, #5 72/80, #6 66/80
- 5) Took oil sample for Blackstone oil analysis
- 6) Removed AC drive, replaced seal TCM25102, reinstalled the following TCM654012 gasket, MS913401 gasket and TCM655269 Drive coupling bus hinge
- 7) Removed alternator, inspected and reinstalled with TCM65398 gasket
- 8) Replaced valve cover gaskets with APS-655705-S
- 9) Serviced AirWolf air/oil separator.
- 10) Cleaned fuel injectors and replaced o-rings TCM630979-9 and washers TCM640612
- 11) Ground ran, leak checked, OPS check OK.

I certify that this Engine has been inspected in accordance with a Annual inspection and was found to be in airworthy condition.
 Date 7/10/24 A/C Total Time 537.6
 A/C Tach 537.6 A/C Hobbs 715.6
 ENG Total Time 537.6 ENG S.M.O.H.
 Kevin St. Clair Hess A&P 3233654 IA




Harford Air Services Maintenance Log
 3538 Aldino Rd N729AJ
 Churchville, MD 21028
 410-836-2828


HARFORD AIR SERVICES
 The Best in Aviation

November 25, 2024 Tach: 583.0 Hobbs: 774.8

Description of work done: Engine

- 1) Changed oil with 7qts Phillips 20W50XC and 1 can Camguard
- 2) Changed oil filter with AA48108-2
- 3) Took oil sample for Blackstone oil analysis
- 4) Ground ran, leak checked, OPS check OK.

Nicholas St Clair Hess  A&P 4267419