

S/N 917772

# 2

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

N 709 SK

Eng Logs

2 Book

S/N 917772

**ENGINE  
MAINTENANCE  
RECORDS**



# ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N709JR

Engine Manufacturer CMI

Model IO-550 N 27

Serial No. 917772

Date installed on aircraft 20 APR 2018

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

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

(All applicable information must be filled in)



## **AEROTECH PUBLICATIONS INC.**

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: Invoice # 10367	
4. Organization Name and Address: Signature Engines Inc., 4760 Airport Road, Cincinnati, Ohio 45226				Certificate No. E5ZR316Y		5. Work Order/Contract/Invoice Number: E7516
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	Continental Motors Engine	IO-550-N	1	917772	Overhauled	
12. Remarks: THIS ENGINE HAS BEEN OVERHAULED IN ACCORDANCE WITH THE APPLICABLE CONTINENTAL MOTORS MANUALS. A LIST OF ALL PARTS, F.A.A. AIRWORTHINESS DIRECTIVES AND MANUFACTURER'S SERVICE BULLETINS COMPLIED WITH ARE A PART OF THESE RECORDS. ALL PARTS HAVE BEEN INSPECTED AND HAVE BEEN DETERMINED AIRWORTHY TO RETURN TO SERVICE. ENGINE TEST RUN PER OVERHAUL MANUAL. TEST SHEET FURNISHED. THIS ENGINE IS AIRWORTHY FOR RETURNED TO SERVICE. 6 New Factory Steel Cylinders T.T.S.N.: 2088.0 Hours 2 Overhauled Bendix Magnetos T.T.S.M.O.H.: 0.0 Hours 1 New Harness 1 Overhauled Fuel Injection 1 New Set of Spark Plugs						
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature:		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): Terrence McRoberts, Inspector		14e. Date (dd/mm/yyyy): 26/Mar/2018	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (02-14)			NSN: 0052-00-012-9005			

N709JR	Continental	Flight Time:	1234.7
Cirrus SR22	IO-550-N	Hobbs:	1561.5
S/N 1967	S/N 917772	TTIS:	2088.0
20 <sup>fm</sup> APR 2018		TSMOH:	0.0

Engine:  
Removed Engine M/N:IO-550-N S/N:689729 and sent to Signature Engines for overhaul. Installed Overhauled Engine M/N:IO-550-N S/N:917772 from Signature Engines Inc. (CRS#E5ZR316Y) in accordance with Cirrus AMM Ch.71-00 and CMI MM M-0. Engine Overhauled under work order #E7453. Serviced engine with 8 quarts of 20W50 mineral oil. Lubricated all engine controls in accordance with Cirrus lubrication schedule Chapter 12-20. Performed Airplane Operational and Functional Check in accordance with Cirrus AMM Chapter 5-30. No leaks noted at this time. I certify this engine has been inspected in accordance with a Phase 2 inspection and was found to be in an airworthy condition.

—END—  
*James H. Merriman*  
James H Merriman AP37059511A

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REG. #: N709JR

DATE: 07-18-2018

TACH: 1278.5

HOBBS: 1614.1

TT: TSMOH 43.8

DATE

ENGINE

Performed an ANNUAL inspection per Gwinnett Aero Maintenance LLC inspection form. Changed engine oil and filter. Installed a new CH48108-1 filter and serviced engine with 8 qts of Phillips 20W-50 X/C oil. Cut open filter and inspected for contaminants, no faults noted. Compression check 1)70 2)70 3)74 4)71 5)75 6)75/80 psi. Cleaned, inspected, gapped and rotated spark plugs. Checked and lubricated engine control cables. No AD's apply at this time. See AD compliance report with permanent aircraft records. Operational ground run and leak check, OK. "I certify this ENGINE has been inspected IAW an ANNUAL inspection and found to be in AIRWORTHY condition." \*\*\*\*END\*\*\*\*

WORK



Mechanic *[Signature]* AP 2690553 EA

850 Airport Rd, Box 7  
Lawrenceville Ga 30045  
770-962-9092

**SkyView Aviation** →

SkyView Aviation, LLC  
5749 South Tracy Blvd  
Tracy CA, 95377  
(209)830-7666

N Number: N709JR Hobbs: 1679.5 TT: 2206.0 SMOH: 118.0

Changed oil & oil filter, serviced with 8 quarts of Exxon Elite 20W50 oil and Tempest AA48108-2 oil filter. Took oil sample for oil analysis. Inspected old oil filter for contamination, none found at this time. Work performed in accordance with all applicable manuals. Engine return to service for work performed above.

-----END-----

Donald Snock AP 3061833  
Date: 12/13/2018 X *[Signature]*

ENGINE MODEL:  
ENGINE S/N  
REG NO: N709JR  
WORK ORDER: 00002101

**TDL Aero Enterprises**  
44 MACREADY DRIVE  
Merced, CA 95340  
Phone: 209-722-7300

DATE: 8/21/2019  
A/C TSN: 1366 9  
ENG TT:  
HOBBS: 1734 5

Engine Entries

ANNUAL CIRRUS ENGINE: Complied with an Annual inspection, Using Cirrus design AMM 5-20, Removed cowlings, performed run up, drained oil took Blackstone sample and sent out for analysis, removed oil filter, cut open to check for debris, none noted, Serviced engine 8qts. Exxon 20W50, Installed new AA48108 oil filter and safety tied, performed compression checks, (1) 66/80 (2) 66/80 (3) 74/80 (4) 66/80 (5) 72/80 (6) 70/80, Plugs cleaned and gap checked, Mag timing checked, performed run up leak check, no leaks noted at this time, reinstalled cowlings.... Remove and replace #5 Injector Clamp with new... Retorqued all rocker covers... Remove broken rivets from RHS engine baffle Replace with new rivets... Remove and reinstall LH Mag lead mount through bolt... Remove and replace LH Exhaust ball joints with proper hardware... Apply RTV to prevent ram air duct to heat exchanger from chaffing on the hot air mixer... Added additional grounds to airframe to reduce the Oil Temp Gauge variation.

I certify this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition

DATE: 8/21/2019

SIGNED *[Signature]*

Work Order: 00002101

Tom Lopes, IA. 4165486

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12-29-20		179.0	1413.7	<p>Removed &amp; replaced starter adapter and starter, IAW MM manual chapter 17-1. PRB check good.</p> <p>R &amp; R oil filter and changed oil. Ran engine to normal temp, through full range of normal RPMs. Removed oil filter to check for contaminants, no contamination found. Drained oil to check for contaminants, none found.</p> <p>Replaced oil filter and oil.</p> <p>David Maynard 2554665 AYP/EA</p>

**ENGINE LOG**

1/7/2021

N709JR  
 Make: Cirrus  
 Hobbs: 1813.2



Eng. S/N: 917772  
 Model: SR22  
 Tach: 1425.9  
 TTSMOH: 191.2

1. Removed ENGINE S/N 917772 for O/H.  
 PROP S/N PHC-J3YF-1RF for O/H.

A/P3176242

Signed Danny Potter



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### PCS ENGINES

14833 SIDNEY-PLATTSVILLE RD  
SIDNEY OH 45365  
937-833-0843

DATE: 3-30-2021

MODEL: IO-550-N727  
SERIAL NO.: 917772 :  
ETT T.S.O: NA :

1. DISASSEMBLED ENGINE
2. INSPECTED CRANKSHAFT AND STEELS USING ASTM E1444-94a AS A GUIDE NO DISCONTINUITIES FOUND
3. INSPECTED CRANKCASE USING ASTM E1417-95 AS A GUIDE NO DISCONTINUITIES FOUND
4. ASSEMBLED ENGINE USING CONTINENTAL OVERHAUL MANUAL AS A GUIDE
5. REPLACED ,LIFTERS, , BEARINGS, AND GASKETS
6. HONED, PRESSURE CHECK, RERINGED ALL CYLINDERS
7. TEST RUN ENGINE USING MANUFACTURE GUIDELINES AS A GUIDE
8. REPLACED STARTER ADAPTER

The maintenance identified above has been inspected in accordance with FAA regulations and is approved for return to service.

SIGNATURE:  PHILLIP SCADDEN IA A&P 400062798

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