

AIRCRAFT MAINTENANCE RECORDS

N **878JM**

ENGINE LOG BOOK



This Engine Is Equipped With

GAMIjectors[®]
Performance Fuel Injection

*NOTE: Fuel Injector Nozzle Location Is Specific
To Each Cylinder. Refer To Individual Cylinder/Injector
Identification When Removing/Installing Nozzles.*

General Aviation Modifications, Inc.
2800 Airport Rd. - Ada, OK 74820 - (580)436-4833

AIRCRAFT MAINTENANCE RECORDS

Owner **WILLIAM F. MARRISON**

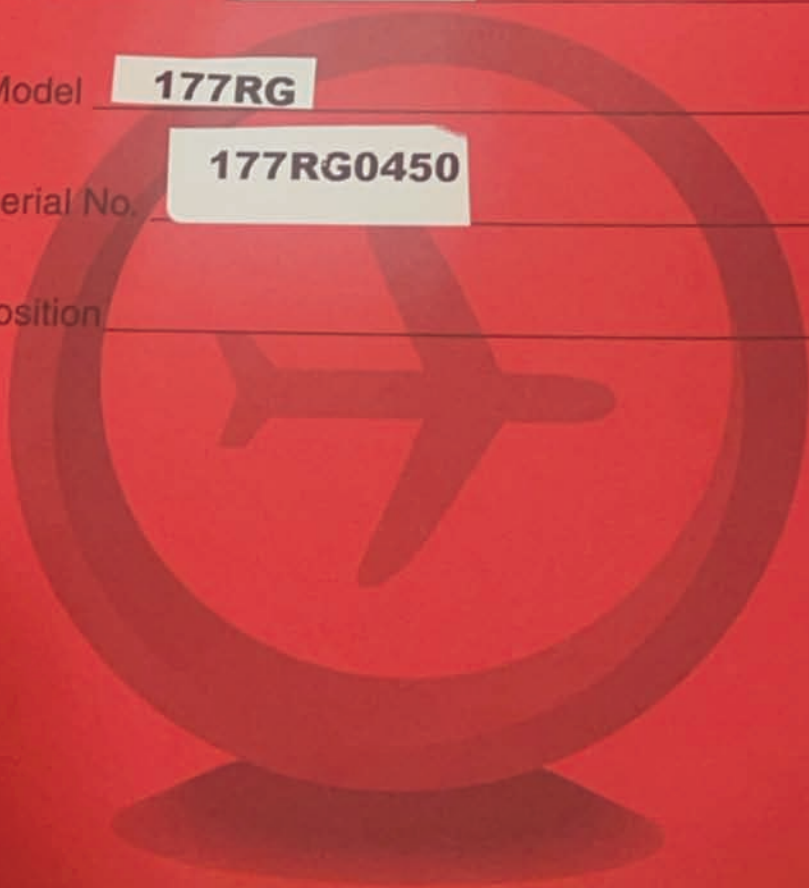
Aircraft Registration **N**

Manufacturer **CESSNA**



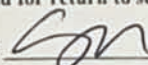

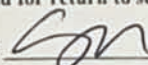

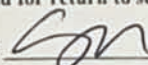
Model **177RG**

Serial No. **177RG0450**

Position




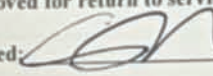
AIRCRAFT MAINTENANCE RECORD


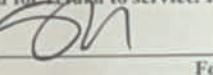
Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK																																										
CARRIED FORWARD →	1,354.5																																											
<table border="1"> <tr> <td>WATSON AERO LLC</td> <td>Make: Lycoming</td> <td>Model: IO-360-A1B6D</td> <td>S/N: L-22439-51A</td> <td>SMOH: 0.0</td> <td>Date: 10/15/2021</td> </tr> </table>			WATSON AERO LLC	Make: Lycoming	Model: IO-360-A1B6D	S/N: L-22439-51A	SMOH: 0.0	Date: 10/15/2021																																				
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<p>Disassembled this engine for major overhaul with a total engine time of 1,354.5 hrs.</p> <p><u>The following components were sent out for inspection/repair:</u> Crankcase/Accessory case/Oil sump-Divco (W/O# 132036/132181) Crankshaft/rods/rocker arms/gears-Western Skyways (W/O# 58216/58220) Crankshaft counterweights-Rick Romans Inc (W/O# 55984) Fuel servo/manifold-D&G Supply (W/O# 41047) Cylinder assemblies-Twin Aircraft Engines (W/O# 1790-1) Magneto-Aircraft Accessories of Oklahoma (W/O# 46022)</p> <p><u>The following parts were replaced for reassembly of engine:</u> -Crankshaft bearing kit (PN: SL13884AM03/SL11020M03) -Connecting rod bearings (PN: SL13212AM03) -Connecting rod bolts/nuts (PN: SL75060)(PN: SL12186) -Camshaft (PN: LW18840) -Camshaft followers (PN: 15B26588) -Oil pump assembly (PN: LW10342)</p> <p>-Crankshaft gear bolt (PN: AN8-14A) -Ignition harness (PN: M2915) -Spark plugs (PN: URHM38E) -Piston pins (PN: SL13444-1) -Engine driven fuel pump (PN: AF15473) -Fuel pump drive plunger (PN: SL61544) -Oil pressure relief valve/ball/spring (PN: SL77808/SL1028B/SL61084) -Oil filter converter plate gasket (PN: 06B23072) -Oil temperature control valve (PN: SL53E19600) -Magneto hold down clamps (PN: 66M19385) -GAMI tuned fuel injectors (PN: GL10-4)(SN: 30326)(FAA Form 337 filed this date)</p> <p>Serviced engine with 8 quarts Aeroshell 100 mineral oil. Performed engine operational/leak check in a test cell environment. Operational check satisfactory. Work performed in accordance with Lycoming Direct Drive Overhaul Manual (Document no. 60294-7, revised 6/2011). Pertinent details are on file at this facility under work order #1330.</p> <p>James Watson  #3747310 A&P</p>																																												
<table border="1"> <tr> <td>12/13/2021</td> <td>Tach: 3365.7</td> <td>Total Time: 1354.5</td> <td>TSMOH: 0.0</td> <td>N878JM</td> <td>Lycoming IO-360-A1B6D</td> <td>S/N: L-22439-51A</td> </tr> <tr> <td colspan="7" style="text-align: center;">  Horizon Avionics, Inc. 2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701 </td> </tr> <tr> <td colspan="7" style="text-align: center;"> ENGINE LOG ENTRY Installed engine overhauled by Watson Aero LLC under Work Order No. 1330. Installed new baffle seal on all baffling. Installed new induction filter P/N: BA5705. Installed all new fuel and oil hoses. Serviced with 8 quarts of Phillips 20W50 Type M. Run up performed with no leaks or defects noted. </td> </tr> <tr> <td colspan="7" style="text-align: center;"> MAINTENANCE RELEASE In reference to the work listed above, this engine was determined to be in an airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M5684. </td> </tr> <tr> <td colspan="3">Signed: </td> <td colspan="2">Cert. No: <u>A1357181</u></td> <td colspan="2">Date: <u>12/13/2021</u></td> </tr> <tr> <td colspan="7" style="text-align: center;">For Horizon Avionics, Inc.</td> </tr> </table>			12/13/2021	Tach: 3365.7	Total Time: 1354.5	TSMOH: 0.0	N878JM	Lycoming IO-360-A1B6D	S/N: L-22439-51A	 Horizon Avionics, Inc. 2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701							ENGINE LOG ENTRY Installed engine overhauled by Watson Aero LLC under Work Order No. 1330. Installed new baffle seal on all baffling. Installed new induction filter P/N: BA5705. Installed all new fuel and oil hoses. Serviced with 8 quarts of Phillips 20W50 Type M. Run up performed with no leaks or defects noted.							MAINTENANCE RELEASE In reference to the work listed above, this engine was determined to be in an airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M5684.							Signed: 			Cert. No: <u>A1357181</u>		Date: <u>12/13/2021</u>		For Horizon Avionics, Inc.						
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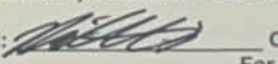
AIRCRAFT MAINTENANCE RECORD

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
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CARRIED FORWARD →

12/28/2021 Tach: 11.1 Hobbs: 3379.2		N878JM Lycoming IO-360-A1B6D S/N: L-22439-51A
2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701		
ENGINE LOG ENTRY		
Drained oil and serviced with 7 quarts of Phillips 20W50 Type M. Replaced oil filter with new AA48103-1. Performed particulate inspection on filter, no discrepancies noted. Run up performed with no leaks or defects noted.		
MAINTENANCE RELEASE		
In reference to the work listed above, this engine was determined to be in an airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M5828.		
Signed: 	Cert. No: <u>AP375781</u>	Date: <u>12/28/2021</u>
For Horizon Avionics, Inc.		

3/4/2022 Tach: 26.5 Hobbs: 3396.0		N878JM Lycoming IO-360-A1B6D S/N: L-22439-51A
2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701		
ENGINE LOG ENTRY		
Drained oil and serviced with 6 quarts of Phillips XC20W50 and 10 oz camguard. Replaced oil filter with new CH48103-1. Performed particulate inspection on filter, no discrepancies noted. Run up performed with no leaks or defects noted.		
MAINTENANCE RELEASE		
In reference to the work listed above, this engine was determined to be in an airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M5867.		
Signed: 	Cert. No: <u>AP375781</u>	Date: <u>3/4/2022</u>
For Horizon Avionics, Inc.		

Date: 05/09/2022 Hours: 3453.6.5 Tach: 79.4		N878JM Lycoming IO-360-A1B6D L-22439-51A
2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701		
ENGINE LOG ENTRY		
Drained oil and serviced with 8 quarts of Phillips 20W50 X/C and 10oz Camguard. Removed and inspected oil filter, no contaminants noted. Installed, torqued, and safetied new AA48103-2 filter. Ground run performed with no leaks or defects noted at this time.		
MAINTENANCE RELEASE		
I certify that this engine has been repaired and is approved for return to service with respect to work performed. Pertinent details are on file under Work Order No. M5932.		
Signed: 	Cert. No: <u>AP 3766697</u>	Date: <u>5/10/2022</u>
For Horizon Avionics, Inc.		

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AIRCRAFT MAINTENANCE RECORD

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
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CARRIED FORWARD →

Date:	08/25/2022	N878JM
Hours:	3513.5	Lycoming IO-360-A1B6D
Tach:	134.2	L-22439-51A
Horizon Avionics, Inc.		
2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701		
<u>ENGINE LOG ENTRY</u>		
Drained oil and serviced with 7 quarts of Phillips 25W60 X/C and 10oz Camguard. Removed and inspected oil filter, no contaminants noted. Installed, torqued, and safetied new AA48103-2 filter. Ground run performed with no leaks or defects noted at this time.		
<u>MAINTENANCE RELEASE</u>		
I certify that this engine has been repaired and is approved for return to service with respect to work performed. Pertinent details are on file under Work Order No. M6019.		
Signed:	<i>Mal C</i>	Cert. No: <u>AP0621311</u>
		Date: <u>8/25/2022</u>
For Horizon Avionics, Inc.		

Aviation Plus LLC
262-656-1260
Aviationplusllc.com

01/02/2023 N878JM Tach 205 TTE 1559 SMOH 205
Compressions: 1)78, 2)77 3)78, 4)77. Changed oil and filter (8qts Phillips 20W50). Tightened oil dipstick tube. Repaired #2 baffle. Replaced one spark plug. CW AD 15-19-07 injector lines and supports, visual, due 100hrs. All routine items checked per inspection sheets. FAR43 App D. I certify that this engine was inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Robert Russell
Robert Russell 3411885IA

7/21/2023	N878JM
Hobbs: 3625.4	Lycoming IO-360-A1B6D
Tach: 236.4	
Horizon Avionics, Inc.	
2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701	
<u>LEFT ENGINE LOG ENTRY</u>	
Drained oil and serviced with 8 quarts of X/C 20W-50. Removed, cut open, and inspected oil filter, no contaminants noted. Sent off Oil sample. Installed, torqued, and safetied new AA48103-2 filter. Ground run performed with no leaks or defects noted at this time.	
<u>MAINTENANCE RELEASE</u>	
In reference to the work listed above, this engine was determined to be in an airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M6188.	
Signed:	<i>John P</i>
	Cert. No: <u>374074</u>
	Date: <u>7/21/23</u>
For Horizon Avionics, Inc.	

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3689 Industrial Park Drive,
Marianna, FL, 32423
<https://nevilleaviation.com>

DESCRIPTION OF WORK PERFORMED
NUMBER OF PERSON PERFORMING WORK

09 Sep 2023 3636.3 tach.

N878JM

Removed engine magneto P/N 10-682555-11 S/N 831 and 8 spark plugs. Installed Electroair electronic ignition system P/N EIS-41000C kit S/N 23-147-004 and P/N EIS-4100 kit S/N 23-159-002 and 8 E/A spark plugs P/N EA-REM37HE (STC # SED4577CH) IAW IM EIS-41000, Rev 16. Use this document and AC 43.13 for ICA.

Lee Muschower
[Signature]
AP16766230

Aviation Plus LLC
262-656-1260
Aviationplusllc.com

02/02/2024 N878JM Tach 280 TTE 1634 SMOH 280

Compressions: 1)78, 2)79, 3)78, 4)77. Changed oil and filter (8qts Phillips 20W50). Replaced #2 & #4 intake gaskets. Drilled and safety oil cooler drain cap. All routine items checked per inspection sheets. FAR43 App D. I certify that this engine was inspected in accordance with an annual inspection and was determined to be in airworthy condition.

[Signature]
Robert Russell 3411885IA

Date: 04/01/2024
HOBBS: 3701.8
TAC: 303.3

Cessna 177RG
N#: N878JM
S/N: 177RG0450

Horizon Avionics, Inc.

2445 E. General Aviation Drive, Suite C, Alcoa, TN 37701. Tel: (865) 980-7858 Fax: (865) 980-7701

ENGINE LOG ENTRY

Remove and replace magnetic pick-up EA-006B IAW electro air instructions.

MAINTENANCE RELEASE

in reference to the work listed above, this engine was determined to be in airworthy condition and is approved for return to service. Pertinent details are on file under Work Order No. M6307.

Signed: *[Signature]* Cert. No: 446124 HP Date: 04/01/2024
For Horizon Avionics, Inc.

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