



ENGINE MAINTENANCE RECORD #2

AIRCRAFT SERIAL AND REGISTRATION N7575V 177R60866

ENGINE MODEL AND SERIAL IO-360-A1B6D 3/2 L-15354-51A

INSTRUCTIONS

This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations.

NOTE: Record Service Bulletins and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record.

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MAINTENANCE RECORD

DATE 2003 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
9/3/03	2104.4		<p>Serviced and inspected as per Cessna 177RG service manual. Changed oil & filter w/ Phillips X/C. See A.D. list for compliance</p> <p>Replaced #2 Cylinder assembly complete with piston, rings, gaskets & seals. ECI S/N 3947-2. See maintenance release attached. Replaced oil pump impellers with new Kit P/N SL18169A-S, new LW10342 body. Oil pump pad on accessory housing was remachined by Central Cylinder Service. Replaced all accessory housing drive seals & gaskets. Replaced sump gasket, oil return hoses, intake pipe gaskets & seals. Installed overhauled starter bendix drive. C/W S.B. 301B 400 Hour valve inspection and installed new valve cover gaskets. Reset magneto points timing. Installed new</p>	

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MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 19			oil suction screen. Ran engine, checked operation and for leaks.	
			TACH/ REMI THER 2104.4 TOTAL 2104.4 SMOH 1109.1 DATE 9/3/03 WO# 13684	
			I CERTIFY THAT THIS AIRCRAFT/POWER PLANT/ ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNATURE <u>Charles Hayes</u> FOR LIVINGSTON AVIATION, INC. WATERLOO, IA FAA APPROVED REPAIR STATION NO. LVOR169J	

Work Order 14060
N 7575V
SN# 177RG0866
Tach & TT 2152.3
SMOH 1157.0
Date 10/12/2004

MAINTENANCE RECORD



Livingston Aviation
2814 Betsworth Dr
Waterloo, IA 50703
Repair Station # LVOR169J

DATE
19

Engine Log Entry

1. Complied with annual Inspection of engine using approved Cessna inspection guide.
2. Complied with compression check, results as follows 76/80 73/80 72/80 76/80
3. Changed oil and filter. Inspected old element for metallic partical contamination, none noted Serviced with 8 qts. Of phillips x/c 20W50 & new filter CH 48103 filter. Washed engine and cowl. Test run & leak checked, no leaks detected.
4. Complied with AD2002-26-01 (1-31-03) inspection of fuel injector lines and clamps. No discrepancies noted at this time.

END

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order # 14060 Date 10-12-04.

Livingston Aviation INC.
Waterloo, Iowa

Signed Lawrence Gruman Lawrence Gruman

FAA APPROVED REPAIR STATION #LVOR169J

Work Order 611
 N 7575V
 SN# L-15354-51A
 TACH 2213.3
 ATT 2213.3
 ETT 2213.3
 SMOH 1218



Livingston Aviation
 2814 Betsworth Dr
 Waterloo, IA 50703
 Repair Station # LVOR169J

DATE
 19__

Engine Log Entry

GNATURE,
 E TYPE
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Serviced and inspected in accordance with Cessna 177RG service manual. Changed oil and filter with Phillips X/C. Inspected old filter for metal, none found. Checked compression #1:75/80, #2:71/80, #3:77/80, #4:77/80. Ran engine, checked operation and for leaks. C/W AD2002-26-01 (1/31/06) Fuel injector line insp. Checked OK at this time. **END**

I certify this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order #611 Date 1/2/2007.

Livingston Aviation INC.
 Waterloo, Iowa

Signed *Lawrence Guzman*

FAA APPROVED REPAIR STATION #LVOR169J

Work Order 962
 N 7575V
 ENG. SN# L-15354-51A
 TACH 2226.40
 ATT 2226.40
 ETT 2226.40
 SMOH 1231.00
 DATE 3/26/2008



Livingston Aviation
 2814 Betsworth Dr
 Waterloo, IA 50703
 Repair Station # LVOR169J

DATE
 19__

ENGINE LOG ENTRY

GNATURE,
 E TYPE
 IER

Serviced and inspected in accordance with Cessna 177RG service manual. Changed oil and filter with Phillips X/C. Inspected old filter for metal, none found. Checked compression- #1:73/80,#2:72/80,#3:77/80,#4:75/80.

C/W AD 2002-26-01 (1/31/2003) Fuel injector line inspection. No discrepancies at this time. Next due at 2326 hrs. Reinstalled governor after overhaul by Aircraft propeller service. Ran engine, checked operation and for leaks.

I certify this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under work order # 962 Dated 3/26/2008.

Livingston Aviation INC.
 Waterloo, Iowa

Signed *Lawrence Guzman*

FAA APPROVED REPAIR STATION #LVOR169J



2720 BETSWORTH DR., WATERLOO, IOWA 50703

October 7, 2008 Tach: 2242.2 WO #4696
 Installed overhauled alternator (P.N. D0FF10300J, S.N. 73196) from Modified Aircraft Accessories, (their WO #8603).
 Ground run, OK.
 Dan Swatek-Briggs A&P 472725338
Dan Swatek-Briggs

Work Order 1933
 N 7575V
 SN# L-15354-51A
 Tach 2284.90
 Total 2284.90
 SMOH 1289.50



Livingston Aviation
 2814 Betsworth Dr
 Waterloo, IA 50703
 Repair Station # LV0R169J

DATE

19__

Date 9/1/2011

Engine Log Entry

Serviced and inspected IAW Cessna 177RG Service Manual using Cessna inspection form as a guide. Changed engine oil and filter. Serviced engine with Phillips X/C engine oil. Changed engine oil filter PN: CH48103-1. Inspected old filter for metal contamination. None found. **C/W AD 2008-14-07** Bendix fuel injector line inspection due each 100hrs or when maintenance is performed on injector lines. Inspected IAW para (j)(k) and Lycoming SB 342E No discrepancies at this time. Next due at **2384** hrs or when servicing has been performed. Checked compression as follows: #1: 74/80 #2: 78/80 #3: 76/80 #4: 77/80. Performed operational and leak check of engine. All checks good at this time.

END

I certify that this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection and was determined to be in airworthy condition. Pertinent details are on file at this agency under Work Order **1933** and Date **09/01/2011**.
 Livingston Aviation Inc. Waterloo, Iowa Signed Dustin Kestner

FAA APPROVED REPAIR STATION # LV0R169J

NATURE,
 TYPE
 R

*Battery changed may 2011
 on road at Livingston*

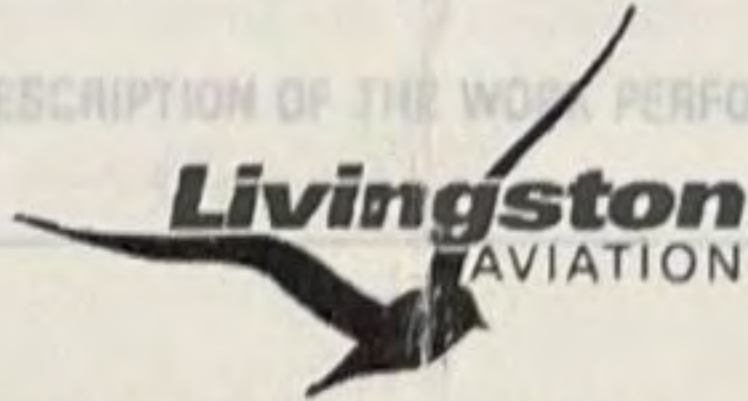
MAINTENANCE RECORD

DATE

19__

Work Order 2028
 N 7575V
 SN# L-15354-51A
 Tach 2293.80
 Total
 Date 12/22/2011

DESCRIPTION OF THE WORK PERFORMED



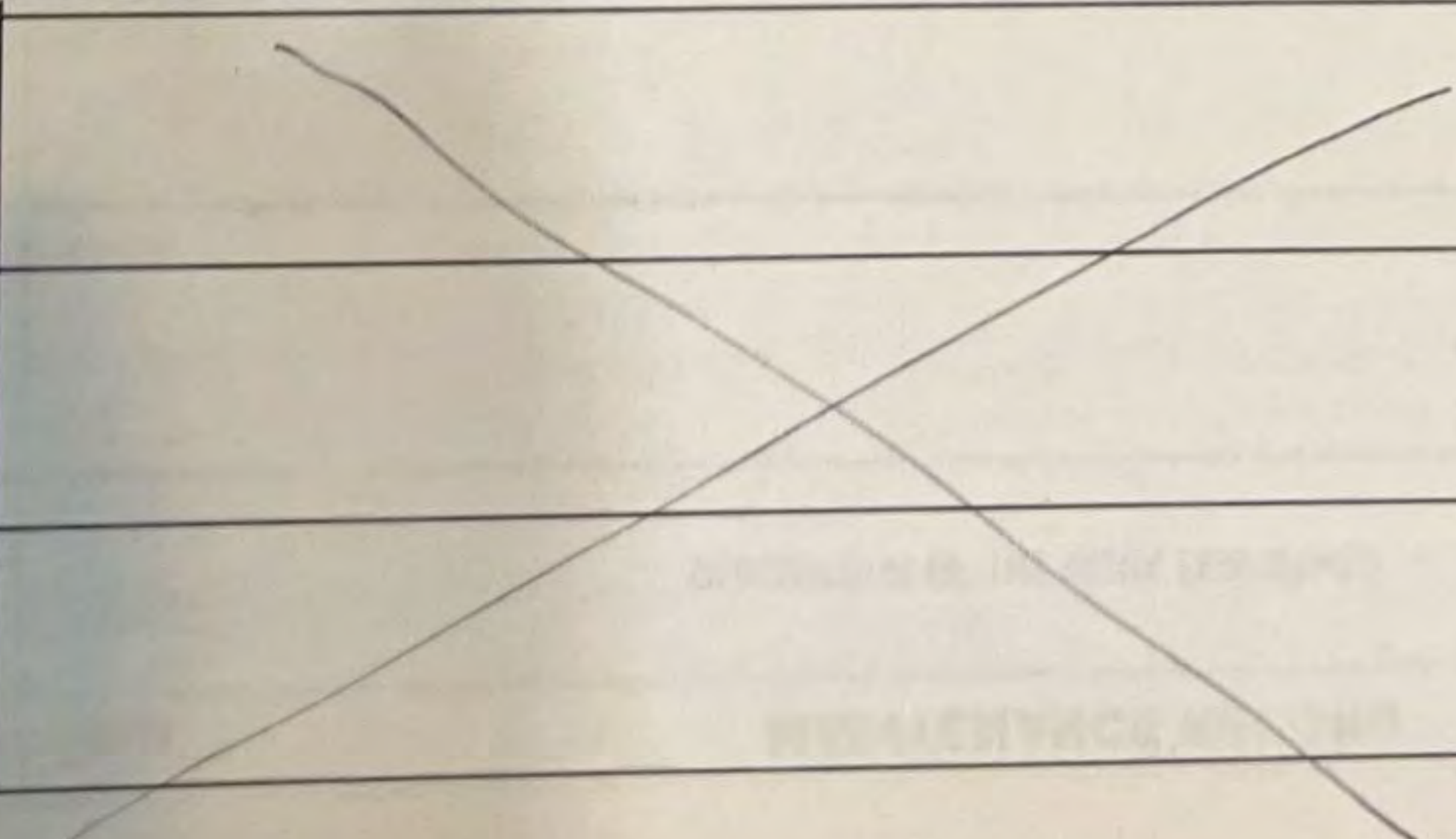
Engine Log Entry

Installed overhauled MZ4222 starter S/N K090179.
 Pertinent details are on file at this agency under Work Order # 2028 Date 12/21/2011.
 Livingston Aviation Inc. Waterloo, Iowa Signed Charles Shaves

FAA APPROVED REPAIR STATION # LV0R169J

AUTHORIZED SIGNATURE,

Livingston Aviation
 2814 Betsworth Dr
 Waterloo, IA 50703
 Repair Station # LV0R169J



MAINTENANCE RECORD

DATE
19__

TOTAL
IN
HOU



2720 BETSWORTH DR., WATERLOO, IOWA 50703

SIGNATURE,
DATE TYPE
NUMBER

November 6, 2012 Tach: 2299.4 TTAF: 2299.4 TTeng: 2299.4 TSMOH: 1304.4

WO #5114

- Engine inspected and serviced IAW Cessna Model 177RG Service Manual and Inspection Form.
1. Installed new inboard exhaust stud, P.N. SL31C-12, in #4 cylinder.
 2. Reinstalled LH muffler after repair by Dawley Aviation (their WO #107095).
 3. Service, tested and reinstalled spark plugs. Magneto to engine timing, OK.
 4. Drained oil and filled sump with Phillips 20W50 XC oil. Installed new AA48103-2 oil filter. Cut old filter, no abnormal particles found.
 5. Compression check as follows: #1-72/80, #2-78/80, #3-72/80, #4-72/80.
 6. Washed engine and ground ran. No defects or leaks noted at this time.
 8. C/W AD 2011-26-04 External fuel injector lines by inspecting lines IAW Lycoming SB 342F. Replaced all support clamps with new. Due again by 12/1/2013, 2399.4 ttaf or whenever maintenance is done on the fuel lines.
 7. Researched AD notes through bi-weekly 2012-21. See separate AD Compliance Record.

I certify that this engine has been inspected IAW an **annual inspection** and determined to be airworthy at this time.

Andrew J. Regier

A&P 3597876 IA

Andrew J. Regier

MAINTENANCE RECORD

DATE
19__

TOTAL
IN
HOU



2720 BETSWORTH DR., WATERLOO, IOWA 50703

SIGNATURE,
DATE TYPE
NUMBER

December 6, 2013 Tach: 2307.8 TTAF: 2307.8 TTeng: 2307.8 TSMOH: 1312.8 WO #5249

Engine inspected and serviced IAW Cessna Model 177RG Service Manual and Inspection Form.

1. Service, tested and reinstalled spark plugs. Magneto to engine timing, OK.
2. Drained oil and filled sump with Phillips 20W50 XC oil. Installed new AA48103-2 oil filter. Cut old filter, no abnormal particles found.
3. Compression check as follows: #1-66/80, #2-74/80, #3-70/80, #4-66/80.
4. Washed engine and ground ran. No defects or leaks noted at this time.
5. Researched AD notes through bi-weekly 2013-24. See separate AD Compliance Record.

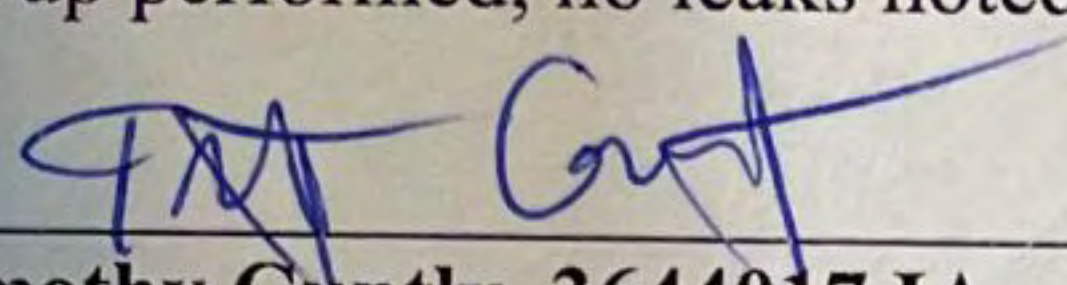
I certify that this engine has been inspected IAW an **annual inspection** and determined to be airworthy at this time.

Andrew J. Regier

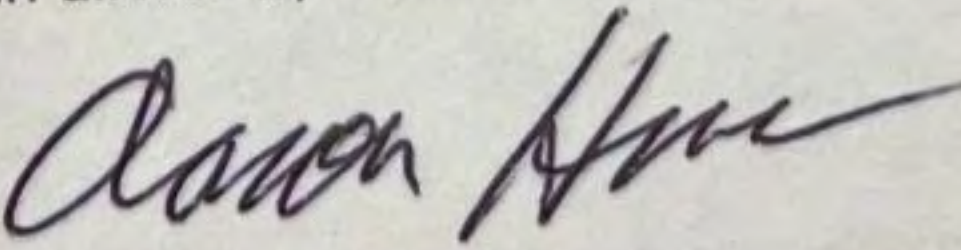
A&P 3597876 IA

Andrew J. Regier

MAINTENANCE RECORD

DATE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	
19__	ENGINE N7575V	Heritage Aero Inc. 1651 Grumman Dr. Rockford, IL 61109 815-395-0500		DATE: 7/26/2017 TACH: 2357.8
	Trouble shoot high oil temp. Performed compression test #1-74, #2-78, #3-78, #4-78. Drained oil, Cut open oil filter and inspect for metal. No metal found. Installed new AA48103 oil filter, serviced engine with 8 quarts of Phillips 20W50XC oil. Examine exhaust system for defects. No defects found. Removed vernatherm. Installed new AEL19600REVE vernatherm. Checked oil cooler for obstructions-none found. Ground run up performed, no leaks noted. Returned aircraft to service.			
	 Timothy Guntly 3644017 IA			

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			N7575V/ S.N. 177RG0866/ AFTTIS: 2401.3/ TACH:2401.3 Date: 07/16/2018 Eng S.N.L-15354-51A/ Eng TTIS: 2401.3 Eng TTISOH: 1406.2 Performed a 100Hour inspection on this engine using the applicable Cessna service manual inspection guide. Cylinder compression#1 .65/80, #2 75/80, #3 77/80, #4 77/80. Serviced engine with 8 quarts of Aeroshell W100 oil. Removed, cleaned, inspected and reinstalled spark plugs. Complied with AD 2015-19-07, inspection of fuel injector fuel lines and clamps with no defects noted, next due at AFTTIS: 2501.3 or 07/2018. I certify this Engine has been inspected in accordance with a Cessna 177RG 100hr inspection and was found to be in airworthy condition at this time.	
			Aaron Hare A&P 3345395	

Called new exhaust p
 called new intake p
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 studs
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MAINTENANCE RECORD

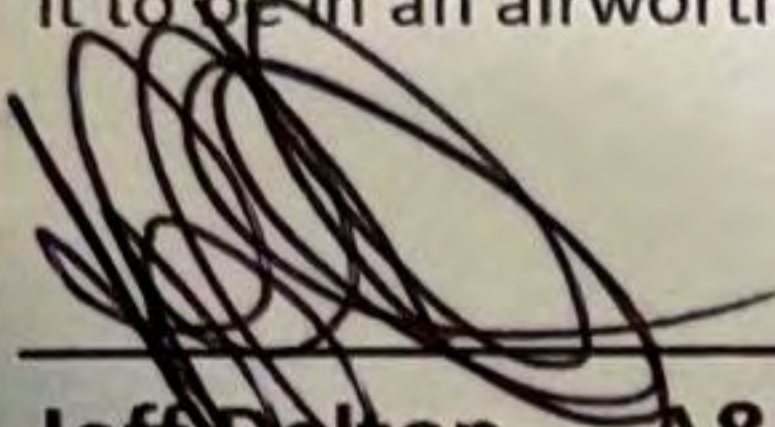
DATE 19__	TOTAL TIME IN SERVICE	
	HOURS	10ths

N7575V C177RG HOBBS: 2904 9/15/2020

AUTHORIZED SIGNATURE
 CERTIFICATE TYPE
 & NUMBER

S/N 177RG0866 Tach/TT: 2494.3
Lyc. IO-360-A1B6D S/N L-15354-51A TTSMOH- 1499.2 TTSN-2494.3

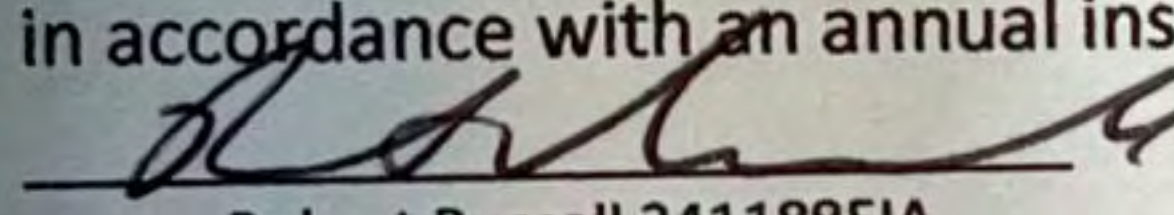
Complied with 100hr/**ANNUAL** Inspection IAW current Lyc. operators manual sec. 4. Oil changed, serviced w/ Aeroshell 15w50 oil. Comp- #1- 78, #2-78, #3-77, #4-78. Complied with AD 2015-19-07 by inspection of fuel injection lines and clamps, Next due tach 2594.3 Engine ground run and leak checked, idle speed and mixture settings adjusted IAW current MM. I have inspected this Engine IAW an **ANNUAL** inspection and determined it to be in an airworthy condition IAW FAR 43 app. D.



Jeff Dalton A&P 3234389 IA

Aviation Plus LLC
262-656-1260
Aviationplusllc.com

10/01/2021 N7575V Tach 2554 TTE 2554 SMOH 1558
 Compressions: 1)70, 2)77, 3)x, 4)77.. Changed oil and filter (8qts Phillips 20/50 MINERAL). Welded hole in #4 cylinder intake tube. Replaced oil dipstick tube cap seal O-ring. 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 3411885IA

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE	
	HOURS	10ths

DESCRIPTION OF THE WORK PERFORMED

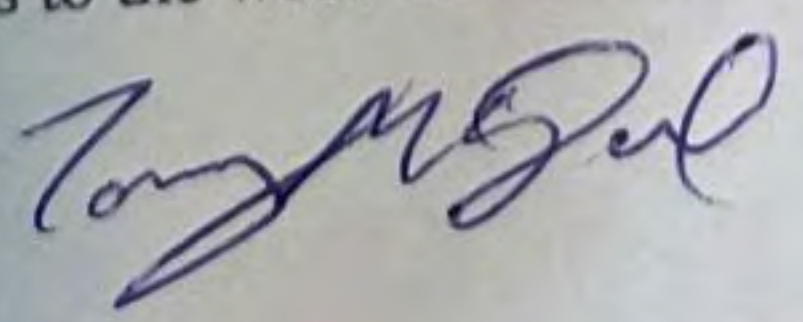
AUTHORIZED SIGNATURE
 CERTIFICATE TYPE
 & NUMBER

AIRCRAFT DEPOT

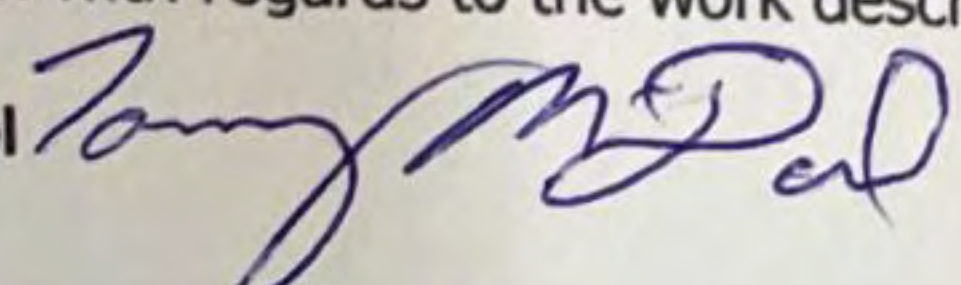
6-27-23 To M.
 5240 South Collins St. Arlington, TX 76018 361-813-7322
 Date: ~~10/04/2023~~ Registration: N7575V Tach Time 2593.1
 Lycoming IO-360-A1B6D S/N L-15354-51A TTE: 2593.1 SMOH: 1597.1

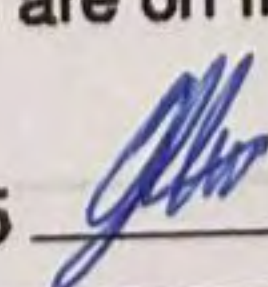
Performed a 100-hour inspection this date in accordance with the manufactures service manual and current FAA regulations. Drained the oil and removed the oil filter. Removed suction screen to inspect for contaminants and none were noted. Added 7 quarts of Phillips 20 X 50 XC and a new CH48103-1 filter. The old filter was cut open to inspect for contaminants and none were noted. Removed all spark plugs, cleaned, gapped and spark tested all plugs and reinstalled. Checked all moveable controls, firewall seals, fuel injection system, exhaust, and intake system. Inspected the alternator and belt. Inspected the oil cooler and lines. No obstructions or leaks were observed. Set cushion on all engine controls as required. Installed a Garmin GI 275 to include CHT's and EGT's on each cylinder. A fuel flow transducer was installed in line on the fuel supply line. New oil psi sensor, oil temp, and manifold psi sensors were also installed. See the airframe log as well as the 337 for additional information and part numbers. The operational check of installed equipment was good all performed to the manufacture's guidelines. C/W AD 2008-14-07 by visual and physical inspection of fuel injector lines IAW para (j), due next at 2693.1 Tack or annual whichever comes first. All AD complied with through the bi-week 2023-20. Washed the engine and ran up for leak test. No leaks noted at this time. Compression results are as follows: 1- 75/80 2- 72/80 3- 70/80 4- 76/80. The work described above was done I.A.W. current FAA. Regulations and manufactures service manuals. This engine was inspected in accordance with a 100-hour inspection and was determined to be in an airworthy condition with regards to the work described above.

Tommy McDaniel
3517538 AP



MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p>AIRCRAFT DEPOT</p> <p>5240 South Collins St. Arlington, TX 76018 361-813-7322 Date: 06/08/2024 Registration: N7575V Tach Time 2617.0 Lycoming IO-360-A1B6D S/N L-15354-51A TTE: 2617.0 SMOH: 1621.0</p> <p>Performed a 100-hour inspection this date in accordance with the manufactures service manual and current FAA regulations. Drained the oil and removed the oil filter. Removed suction screen to inspect for contaminants and none were noted. Added 7 quarts of Phillips 20 X 50 XC and a new CH48103-1 filter. The old filter was cut open to inspect for contaminants and none were noted. Removed all spark plugs, cleaned, gapped and spark tested all plugs and reinstalled. Checked all moveable controls, firewall seals, fuel injection system, exhaust, and intake system. Inspected the alternator and belt. Inspected the oil cooler and lines. No obstructions or leaks were observed. Set cushion on all engine controls as required. C/W AD 2008-14-07 by visual and physical inspection of fuel injector lines IAW para (j), due next at 2617.0 Tack or annual whichever comes first. All AD complied with through the bi-week 2024-11. Washed the engine and ran up for leak test. No leaks noted at this time. Compression results are as follows: 1- 78/80 2- 79/80 3- 69/80 4- 77/80. The work described above was done I.A.W. current FAA. Regulations and manufactures service manuals. This engine was inspected in accordance with a 100-hour inspection and was determined to be in an airworthy condition with regards to the work described above.END.....</p> <p>Tommy McDaniel  3517538 AP</p>	

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p>wo: WO0384 Engine · page 1 of 1</p> <p style="text-align: center;">ARCUS AERO</p> <p style="text-align: center;">Arcus Aero · 508 LV Selz Rd · Bridgeport, Texas 76426 · 3073882288</p> <p>N7575V August 08, 2025 TACH: 2648.7 LYCOMING, IO-360-A1B6D, S/N: L-15354-51A TSMOH: 1652.7 TSMOH: 1652.7</p> <p>Performed annual inspection of engine per Lycoming inspection guide. Drained and replaced oil, replaced oil filter element. Checked magneto timing. Cylinder compressions #1 76, #2 76, #3 72, #4 76. Spark plugs cleaned and gapped. Magnetos timed. All applicable ADs complied with through bi-weekly supplement 2025-16. Installed P/N BA-5705 - Element for Brackett BA5710, Installed P/N AA48103-2 - Tempest 103 oil filter, Installed (8) P/N 1083556 - Phillips Victory oil.</p> <p>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Arcus Aero under work order: WO0384.</p> <p>James Lewis A&P and IA 4009675 </p>	