

N177AR

THE  
**adlog**<sup>TM</sup>

AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**AIRFRAME  
MAINTENANCE  
RECORDS**

VILIA



# AIRFRAME MAINTENANCE RECORDS

Log No. 4

Aircraft Registration No. N1609H\*

Aircraft Mfg. Cessna Model C-177B6 Serial No. 177R60782

Engine Mfg. Lycoming Model I0360- Serial No. \_\_\_\_\_

Engine Mfg. \_\_\_\_\_ Model \_\_\_\_\_ Serial No. \_\_\_\_\_

Propeller Mfg. \_\_\_\_\_ Model \_\_\_\_\_ Serial No. \_\_\_\_\_

Hub Design No. \_\_\_\_\_ Hub Serial No. \_\_\_\_\_

Blade Design No. \_\_\_\_\_ Blade Serial No's. \_\_\_\_\_

Propeller Mfg. \_\_\_\_\_ Model \_\_\_\_\_ Serial No. \_\_\_\_\_

Hub Design No. \_\_\_\_\_ Hub Serial No. \_\_\_\_\_

Blade Design No. \_\_\_\_\_ Blade Serial No's. \_\_\_\_\_

(All applicable information must be filled in)



**AEROTECH PUBLICATIONS INC.**

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FAX: (631) 765-9359

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\* changed 3/03  
TO N177AR

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2002	4734.4		<b>TOTAL</b> brought forward from previous page
12-3-02		2114.8	Installed L+R nose gear door hinges. Jacked aircraft and retraction checked with no problems noted. Rick Fischer A&P 429069736
2003 JAN 7	4734.4	2114.8	I certify that this airframe was inspected IAW an annual inspection and was determined to be in an airworthy condition with all AD's complied with. Replaced aft cowling baffle.
A/C REG. # <u>1609H</u> DATE <u>7 JAN 03</u> TOTAL A/C TIME <u>4734.4</u> HRS. TACH TIME <u>2114.8</u>			I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>FAR 43.501</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
<u>Rick Fischer</u> <u>A&amp;P 429069736</u> SIGNATURE CERTIFICATE NO./TYPE			
<del>3/21</del>	<del>4743.9</del>		<b>GOODNER - CRIDER AIRCRAFT PAINTING, INC</b> 104 Airport Lane * M-39 P.O. Box 318 Mena, AR 71953
3/21	4743.9		3-24-03 Cessna 177RG N177AR S/N177RG0782 WO#1093 This aircraft stripped and repainted according to manufacturer's specifications. Primary flight controls removed, balanced and reinstalled in accordance with Cessna 177RG Service Manual. Complied with SEB89-1, Rev 3 by replacing aluminium brackets with steel as stated in service bulletin. Paint Brand: Sherwin-Williams Jet-Glo Base Matterhorn White 570-535 Trim: Blue 07450, Red 07436 For Goodner-Crider Aircraft Painting, inc. <u>Rodger Crider</u> Rodger Crider A&P 431330896

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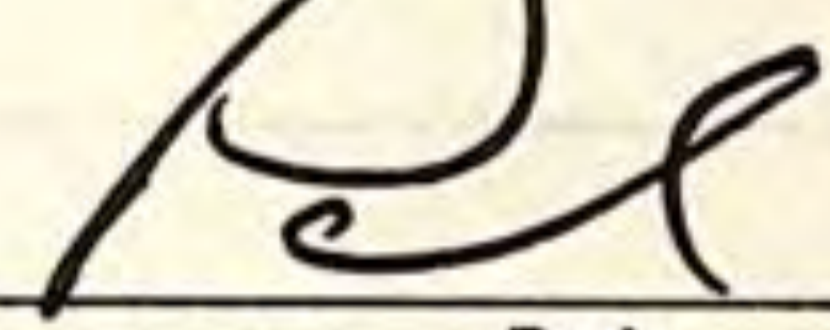
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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2003 3/26	4743.9		TOTAL brought forward from previous page A/C Registration changed to N177AR 1st time - owner
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10/14	4776.9		
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Reebaie Avionics Inc. 525 Airport Rd. Hangar A-5 Hot Springs, AR 71913 R1VR0490  
 LOG ID# 2049 15-October-2003 WO# 2085/1 AC TT 4786.9  
 N1009H S/N 177RG0782 CESSNA 177RG  
 177AR Pg 1/1

\*\*\*\* ITEM # 2085-1 Aircraft due IFR recertification \*\*\*\*  
 DISCREPANCY: Aircraft due IFR recertification  
 ACTION: Transponder/altimeter tests/inspections were performed to comply with FAR 91.411, 91.413 in accordance with FAR 43, Appendix E and F, as indicated. Static system checked to 20,000 feet.  
 Transponder: 1. KT76A s/n 37314  
 Altimeter: 1. 5934P-1 s/n 43-4530  
 Encoder: A-30 s/n 27420  
 Next check due date: 10-31-2005

10-10-03   
 for Reebaie Avionics Inc. Date

2004	<del>4782.2</del> 2162.6	<del>2162.6</del>	<sup>note</sup>
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3/11	4782.2	2162.6	I certify this airplane was inspected I saw the annual inspection check list and is certified to be in airworthy condition with all AD's completed with.
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A/C REG. # N177AR DATE \_\_\_\_\_  
 TOTAL A/C TIME \_\_\_\_\_ HRS. TACH TIME \_\_\_\_\_

I CERTIFY THAT THIS A/C HAS BEEN-INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER \_\_\_\_\_ AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Don Hickman A&P1612744FA  
 SIGNATURE CERTIFICATE NO./TYPE

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2005			TOTAL brought forward from previous page
4/9	4911.9	2275.4	<p>I certify that this airframe was inspected IAW an annual inspection and was determined to be in airworthy condition with all applicable AD's complied with. Replaced engine driven fuel pump due diaphragm leak. A/C returned to service.</p>
			<p>A/C REG. # <u>N177AB</u>      DATE <u>9 APR 05</u>            TOTAL A/C TIME <u>4911.9</u> HRS.      TACH. TIME <u>2275.4</u></p>
			<p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE)-ANNUAL/100 HR INSPECTION AS PER <del>CESSNA</del> <del>FAR'S</del> AND WAS DETERMINED TO BE IN-AN-AIRWORTHY CONDITION.</p>
			<p><u>Don Hickman</u>      <u>AEP 1617744 IA</u>            SIGNATURE      CERTIFICATE NO./TYPE</p>
9/6	2303.3		<p>Replaced O-rings in shimmy dampers and replenished hydraulic fluid.  <u>Don Hickman AEP 1617744 IA</u></p>

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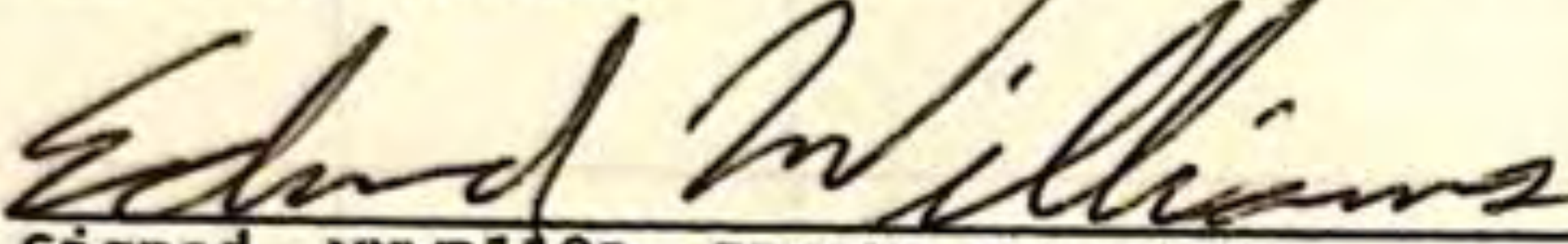
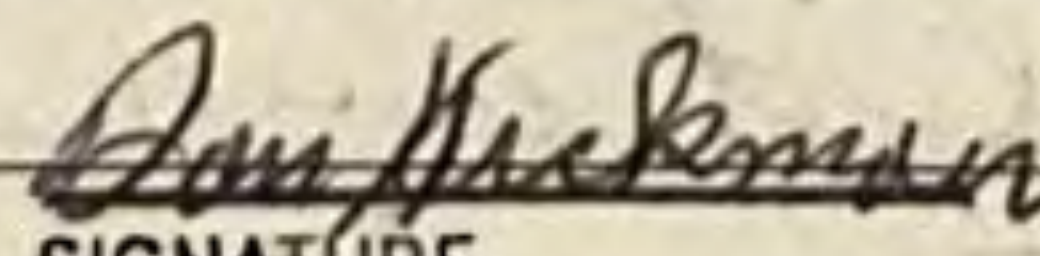
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>2006</b>			<b>TOTAL</b> brought forward from previous page
5/5	4980.0	2960.4	<p>I certify that the landing gear was adjusted to service manual specifications for retraction and extension break-away force. A/c returned to service. All AD's complied with</p> <p>A/C REG. # <u>N177AM</u> DATE <u>5/5/06</u>            TOTAL A/C TIME _____ HRS. TACH.TIME _____</p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>Cessna/FAA</u> AND WAS DETERMINED TO BE IN-AIRWORTHY CONDITION.</p> <p><u>Don Wickman</u> <u>AIP1612744 IA</u>            SIGNATURE CERTIFICATE NO./TYPE</p>
2007 8/16	5058.1	058.1	<p>Removed Lyc. IO360-A1B6D engine s/n L-14515-51A and installed overhauled Lyc. IO360-A1B6 engine s/n L-11332-51A per C-177RG Type Certificate, Cessna Service Manual and AC43.13 series (See Engine Log). Installed Zeftronics voltage regulator and over-voltage light per Zeftronics STC, Cessna Service manual and AC43.13 series. Installed Sky-Tec starter and starter light per Sky-Tec STC, Cessna Service Manual and AC43.13 series.</p> <p>Installed overhauled exhaust system from Aerospace Welding of Minneapolis. Installed new engine oil hoses from Precision Hose Technology of Tulsa. Installed new nose gear and main gear up-and-down hydraulic hoses from Precision Hose Technology of Tulsa. Installed new heater SCAT tubing in engine compartment per C-177RG Type Certificate and AC43.13 series. <i>Installed overhauled landing gear power pack from Aero Acces. of Tulsa.</i> Refurbished baffling and wiring in engine compartment per Type Certificate, Cessna Service Manual and AC43.13 series. Engine and all systems test-run and A/C returned to service. <i>Installed new air &amp; vacuum filters.</i></p>
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\* Changed tach time to horizon tach total time, RE CO ADING LAST FOUR DIGITS  
 Whiting own

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2007			TOTAL brought forward from previous page
8/16 cont'd			Removed Tach Meter. Posted UP-dated Weight & balance sheet to Pilot's Operating Handbook <u>Don Dickman</u> <u>AIP 1612744 IA</u> Signature Certificate No./Type
8/16	5058.1	58.1	All AD's complied with per attached list. AC REG. # <u>N177AR</u> DATE <u>8/16/07</u> TOTAL A/C TIME <u>5058.1</u> HRS. TACH. TIME <u>58.1</u> I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>Cessna/PAW</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. <u>Don Dickman</u> <u>AIP 1612744 IA</u> SIGNATURE CERTIFICATE NO./TYPE
10/16	5101.2	161.2	Installed overhauled Hourgin Tachometer. He returned to service. <u>Don Dickman</u> <u>AIP 1612744 IA</u>
2608			
9/2	5136.4	136.4	I certify this airframe was inspected IAW the Cessna annual inspection check list and is certified to be airworthy with all AD's complied with per attached list. AC REG. # <u>N177AR</u> DATE <u>9/2/2008</u> TOTAL A/C TIME <u>5136.4</u> HRS. TACH. TIME <u>136.0</u> I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER _____ AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. <u>Don Dickman</u> <u>IA 1612744 IA</u> SIGNATURE CERTIFICATE NO./TYPE

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2008	5136.0		TOTAL brought forward from previous page
9/10	5137.8	137.8	IFR Certification
Aerotech International, LLC 525 Airport Rd. Hangar A5 Hot Springs, AR 71913 XKWR110B LOG ID# 40 10-September-2008 WO# 1077/1 REF# 1077 N177AR S/N 177RG0782 CESSNA CE-177-RG <span style="float: right;">Pg 1/1</span>			
DISCREPANCY: 91.411 & 91.413 ACTION: TESTED ALTIMETER P/N 671BK-010 S/N AF43-4. UNIT FAILED. EXCHANGED FOR ALTIMETER P/N 22-977-02 S/N 5921. TESTED ALTIMETER P/N 22-977-02 S/N 5921 IAW FAR 91.411, PART 43 OF APPENDIX E TO AN ALTITUDE OF 20,000 FT. TESTED TRANSPONDER KT-76A S/N 25506 IAW FAR 91.413, PART 43 OF APPENDIX F. ALL TESTS PASSED.			
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">                       Signed XKWR110B EDWARD WILLIAMS                 </div> <div style="text-align: center;">                     9-10-08                      Date                 </div> </div>			
2009			
10/1	5225.1	225.1	Annual inspection per Cessna inspection list and FARs. ALL AD's complied with per list attached. A/c returned to service. Installed new ELT battery and tested satisfactorily per FAR.
Installed new Conquest 6355 12V battery.  A/C REG. # <u>N177AR</u> DATE <u>10/1/2009</u> TOTAL A/C TIME <u>5224.1</u> HRS. TACH TIME <u>225.1</u>			
I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>FARs</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.			
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">                       SIGNATURE                 </div> <div style="text-align: center;"> <u>A9P1612744FA</u>                      CERTIFICATE NO/TYPE                 </div> </div>			

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<b>2010</b>			<b>TOTAL</b> brought forward from previous page
11/1	5326.6	326.6	Annual inspection per Cessna inspection list and FARs. All AD's complied with per attached sheet in AD section of this log.
			A/C REG. # <u>N177AR</u> DATE <u>11/1/2010</u> TOTAL A/C TIME <u>326.6</u> HRS. TACH TIME <u>326.6</u>
			I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>FARs</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
			<u>Don Hudson</u> <u>A#P1612744IA</u> SIGNATURE CERTIFICATE NO./TYPE
2011 12/5	5385.1	385.1	Annual inspection per Cessna inspection check list and FARs. All ADs complied with per attached sheet in AD section of this log.
			A/C REG. # <u>N177AR</u> DATE <u>12/5/11</u> TOTAL A/C TIME _____ HRS. TACH TIME _____
			I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>FARs</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.
			<u>Don Hudson</u> <u>A#P1612744IA</u> SIGNATURE CERTIFICATE NO./TYPE

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2013

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4/10

5441.6

441.6

Annual inspection per Cessna inspection list and FARs. All AD's complied with per list attached. Changed oil added 7 qts Aeroshell 15W-50. Cleaned and gapped spark plugs. Replaced cracked spinner with salvaged fiberglass spinner. Aircraft returned to service.

A/C REG. # \_\_\_\_\_ DATE \_\_\_\_\_  
 TOTAL A/C TIME \_\_\_\_\_ HRS. TACH. TIME \_\_\_\_\_

I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE)-ANNUAL/100 HR INSPECTION AS PER \_\_\_\_\_ AND WAS DETERMINED TO BE IN-AIRWORTHY CONDITION.

*[Signature]* APR 12 2013  
 SIGNATURE CERTIFICATE NO./TYPE

5/29

5442.3

442.3

15A Certification

Aerotech International, LLC 525 Airport Rd. Hangar A5 Hot Springs, AR 71913 XKWR110B  
 LOG ID# 505 29-May-2013 WO# 2207/1 REF# 2207  
 N177AR S/N 177RG0782 CESSNA CE-177-RG TACH 5442.0 Pg 1 / 1

ACTION: TESTED ALTIMETER P/N 22-977-02 S/N 5921 IAW FAR 91.411, PART 43 OF APPENDIX E TO AN ALTITUDE OF 20,000 FT.  
 TESTED TRANSPONDER KT-76A S/N 25506 IAW FAR 91.413, PART 43 OF APPENDIX F.  
 ENCODER P/N A-30 S/N 63208 CORRESPONDENCE WAS TESTED TO 20,000 FT. ALL TESTS PASSED.

Signed XKWR110B *[Signature]* 5-29-13  
 JURGEN BOEHM Date

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DA1

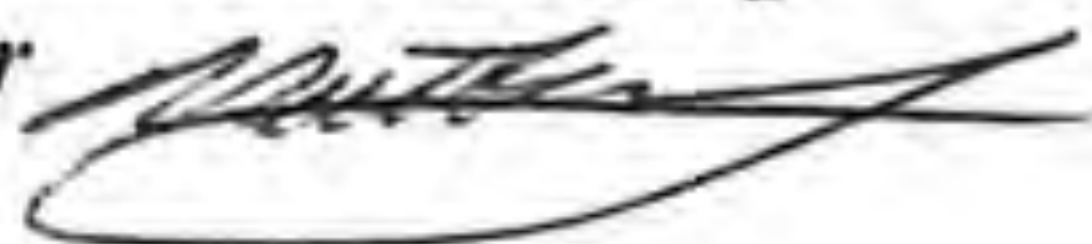
**Airframe**  
**COLGAN AIR SERVICES**

2709 FANTA REED RD.  
LACROSSE, WI 54603

Aircraft: N177AR Model: 177RG  
Date: 01-21-14 Tach Time: 548.2

Removed engine cowling to troubleshoot Alternator inop condition. Removed alternator, rang out wiring, no power at field of alternator, found broken sense wire from Bat terminal of the alternator near the ACU, causing ACU not to be powered and indicator light "lit". Repaired all wiring to the ACU by removing broken plug connector and installing new wires with new connections. Bonded all shielding to ground. Functional test of the alternator-good. Serviced nose strut with nitrogen. Reinstalled cowling.

Matthew Rhodenhizer



AP3272292

**COLGAN AIR SERVICES**

LACROSSE, WI 54603

Aircraft: Cessna Model: 177RG Date: 3-15-2014 Hobbs Time: 5449.35

Corrected with AD2011-10-09 Amendment 39-16690 dated 6-17-2011 by inspection and measurement of the seat rails, engagement of seat pins, inspection of rollers, washers, and hardware, measurement of the seat roller housings, inspection of the springs for the lock pins. AD2011-10-09 is next due at 5549.35 or 3-15-2015 whichever occurs first. .... End.....

Michael Lubinsky



AP3272309

**AIRFRAME:** Jacked aircraft, removed wheels, greased bearings & gear, checked brakes, perform retraction & emergency extension. Checked electrical system & battery. Checked all controls & oiled as needed. Removed all inspection plates & checked structure. Checked cockpit belts, lights, & instrument operation. Functionally tested ELT, per 91-207 (D). Battery due 3-2015.

Ad# 76-07-12R1 C/W by function test. Due 5619.2 Tack. Ad# 2011-10-09 C/W by inspection of seats & Rails. Due 5619.2 or 5-2015. Reattached fwd fuel strainer drain cable, replaced strainer seals & function tested. Checked hydraulic fluid reservoir. Tighten left Aileron aft rod end attach hardware. Adjust Mixture control rigging. Replaced scat ducting to heater inlet. Replaced Tail nav light bulb. Installed Reiff Engine preheater per installation instructions. Weight & Balance Negligible.

Date 5-9-014 Total aircraft time 5519.2 TACH 5519.2 I certify this AIRCRAFT has been inspected in accordance with a Annual inspection per FAR43 App D and was determined to be airworthy. A&P # 393588930 IA


T.C.'s Air Care

Baraboo-Wisconsin Dells Municipal Airport S3440 Hwy 12, Hanger 839 Baraboo, WI 53913 (608)-355-0850

Date 7-12-2014 Tack 558.3. Removed existing Model# Doff10300J Alternator & associated brackets. Installed Plane Power Alternator assembly Model# AL12-F60 per Installation instructions Pt# 10-4001 Dated 2-15-2005. Equipment list revised. Weight & Balance revised. Function tested ok. A&P 393588930



	TOTAL TIME	TACH OR RECORDING	DESC
On Altitude LLC - Repair Station OQLR736Y		Date 04/22/15	WO# 1399
N Number N177AR		Make CESSNA	Model 177RC
I certify that the <b>Static System checks</b> required by 14CFR FAR 91.411 have been performed this date and found to comply with FAR43 Appendix E, par. a. Signed: <i>[Signature]</i>			
I certify that the <b>ATC Transponder Tests and Inspections</b> required by 14CFR FAR 91.413 have been performed this date and found to comply with Far 43 Appendix F. Signed: <i>[Signature]</i>			
Transponder 1	K226	Serial	25506
Transponder 2	KT 26A	Serial	-
I certify that the <b>Automatic Pressure Altitude Recording System Checks</b> required by 14CFR FAR91.217 and FAR91.411 have been performed this date and found to comply with FAR Appendix E, par. c. Signed: <i>[Signature]</i>			
Encoder 1	A-30	Serial	63208
Encoder 2	ACH	Serial	-
I certify that this aircraft/component has been inspected in accordance with current FAA regulations and is approved for return to service. Details of the repair are on file under this work order. Signed: <i>[Signature]</i>			

Altimeter Test Data per FAR 91.411 IAW FAR 43 Appendix E Par B											
On Altitude LLC. Repair Station			Work Order # 1399		Date 04/22/2015						
Tail Number N177AR			Position		PELOT						
Altimeter Mod/Type PARWEN, INC. RA-777-02			Serial Number		592						
Table 1					Table 2						
ALT	TOL	IND	TEST	TOL	IND						
-1,000	20	-5	CASE LEAK	+100	-32						
0	20	-5									
500	20	-15	HYSTERISIS TEST								
1,000	20	-15	50% of Max ALT	75	-10						
1,500	25	-20	40% of Max ALT	75	-10						
2,000	30	-15	AFTER EFFECT	-30	+10						
3,000	30	-25									
4,000	35	-30	TABLE 3		TABLE 4						
6,000	40	-35	FRICTION							BARO SCALE	
8,000	60	-50	ALT	TOL	IND	RG	ALT	DIFF	TOL		
10 000	80	-60	1,000	70	-40	28.10	-1727	-2	25		
12 000	90	-60	2,000	70	-40	28.50	-1340	-15			
14 000	100	-65	3,000	70	-40	29.00	-863	+2			
16 000	110	-60	5,000	70	-40	29.50	-392	-7			
18 000	120	-75	10,000	80	-60	29.92	0	-5			
20 000	130	-30	15,000	90	-60	30.50	531	+4			
22,000	140		20,000	100	-50	30.90	893	-8			
25,000	155		25,000	120		30.99	974	-9			
30,000	180		30,000	140		Next Altimeter Certification Due 05/01/2017					
35,000	205		35,000	160							
40,000	230		40,000	180							
45,000	255		50,000	250							
50,000	280		This Altimeter in reference to the work performed is returned to service.								
On Altitude LLC. Repair Station OQLR736Y			Date 04/22/15		Signed: <i>[Signature]</i> 3330291						

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

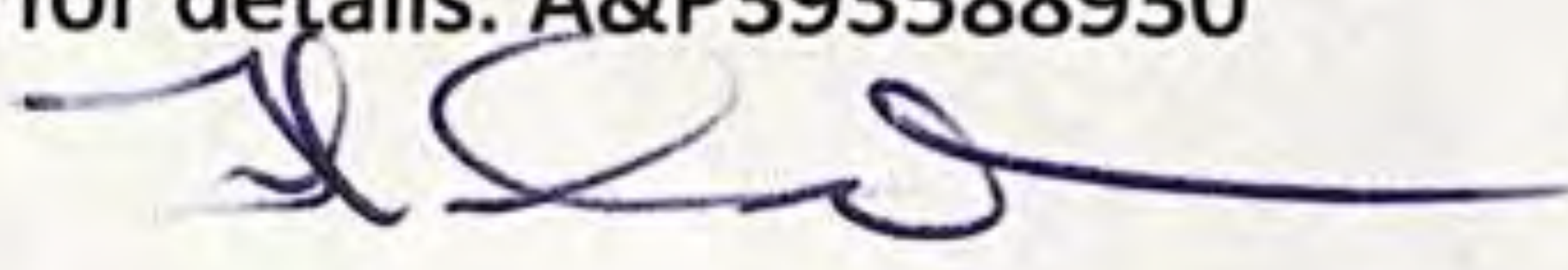
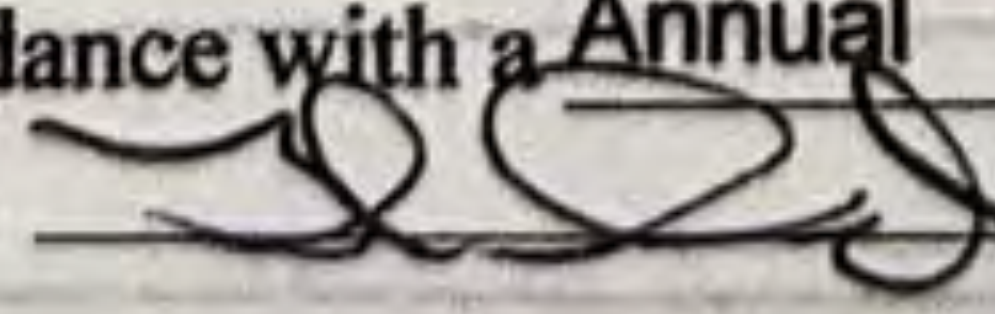
**05/27/2015 N177AR Tach 5613 TTAF 5613**

Replaced air filter element. Secured prop cable to governor bracket & corrected governor attach bolt. Added washers to engine mount bolts to allow for proper torque. Welded right muffler attach point. Replaced cabin heat inlet aeroduct. Replaced 1 rivet in upper nose bowl. Replaced o-rings in shimmy damper & installed proper attachment bushings. Replaced nose wheel bearings & races. Shimmed nose strut for proper length (4.75"). Replaced worn & incorrect aft nose door hardware. Replaced forward nose door turnbuckle attach bolts w/clevis pins. Replaced left brake caliper o-ring. Replaced right brake pads. Replaced main gear actuator o-rings. Removed improper main gear saddle shims. Rigged main gear downlocks. Removed non-standard gear indicator lights & gear motor running light. Installed correct gear indicator light & gear motor running red light in original holes in panel. Repaired throttle microswitch wiring & cam, rigged throttle microswitch warning circuit. Replaced flap follower cable & rigged flaps. Repaired left door upper wedge & replaced pins. Replaced both door seals. Replaced o-rings in fuel selector. Replaced compass w/serviceable compass. Replaced right strobe bulb. Repaired battery box cover. Secured wiring under panel & protected exposed ammeter shunt on co-pilot's side. Placarded fuel tanks. Inspected PlanePower alternator installation previously installed by parties unknown (this is a minor alteration). Replaced vacuum system & relief filters. ELT checked per FAR91.207(d), batteries due 12/22. C/W AD93-05-06, Gerdes ignition switch, per SB92-01 by installing solenoid contactor diode & replacing ignition switch backing plate & contacts, due 2000 hrs. C/W AD11-10-09, seats & rails, visual & dimensional check, due 100 hrs/annually. C/W AD11-206-04, injector lines & supports, visual inspection, due 100 hrs. All routine items checked per inspection sheets. I certify this airframe was inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*[Signature]*  
Robert Russell 34118851A

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9/6/2015	5662	5662	Replaced 4905 Landing Light with Whelen Parmathus Plus Led Landing Light Model P36 PLL 01-0771833-10. Installed per Whelen Installation manual. STC # SA0034480. Owner: David Stans 2877040
<p>DATE: 9-1-2015 Tack 5675.5 Removed existing left &amp; Right Aeroflash power supplies &amp; bulbs. Installed Whelen Strobe assemblies Per STC# SA800EA. See 337 dated this date for details. A&amp;P393588930</p> 			
<p><b>AIRFRAME:</b> Jacked aircraft, removed wheels, greased bearings &amp; gear, checked brakes, perform retraction &amp; emergency extension. Checked electrical system &amp; battery. Checked all controls &amp; oiled as needed. Removed all inspection plates &amp; checked structure. Checked cockpit belts, lights, &amp; instrument operation. Functionally tested ELT, per 91-207 (D). Battery due 12-2022.</p> <p>Ad# 2011-10-09 C/W by inspection of seats &amp; Rails. Due 5807.1 or 5-2017. Replaced main gear tires with 1500x6x6 Flight special 2 tires. Replaced right wing fuel sump drain valve with MDL391-53S. Replaced 1 left brake lining. Replaced rudder steering bellcrank bearings &amp; Bolts. Serviced nose strut with fluid &amp; Nitrogen. C/W SEL57-03. No corrosion noted. Replaced nose gear door turnbuckle &amp; Check rigging.</p> <p>Date <u>5-12-2016</u> Total aircraft time <u>570-7.1</u> TACH <u>5707.1</u> I certify this AIRCRAFT has been inspected in accordance with a <u>Annual</u> inspection per FAR43 App D and was determined to be airworthy.  A&amp;P # <u>393588930</u> IA</p> <p>T.C.'s Air Care Baraboo-Wisconsin Dells Municipal Airport S3440 Hwy 12, Hanger 839 Baraboo, WI 53913 (608)-355-0850</p>			
<b>SUB-TOTAL</b> this page			
<b>TOTAL</b> —Carry forward to next page			

D.

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

09/09/2016 N177AR Tach 5751  
Replaced right and left gear saddles after relining.

*[Signature]*  
Robert Russell 3411885IA

Date: 11/16/2016; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5760.50

\*\*\*Airframe Work\*\*\*

Installed serviceable left hand fuel line p/n 2000010-83 to fuel selector valve. Functional and leak check normal. All work performed in accordance with approved/current technical data.

Nathanael S. Rebiger  
AP3840237

*Nathanael Rebiger*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

12/22/2016 N177AR Tach 5767

Replaced o-rings in both brake swivels. Bled brakes. Replaced nose door hardware to clevis pins and a new grommet.

*[Signature]*  
Robert Russell 3411885IA

**WISCONSIN AVIATION FOUR LAKES, INC.**

DESCRIPTION OF WORK DONE:

**N177AR**

Removed existing ELT System. Installed Artex ELT345 ELT System P/N 8102 per Artex IM Y1-03-0282 Rev. C. ELT inspection and operational testing complies with FAR 91.207(d). Weight & Balance and Equipment List have been updated. **Hex ID: 2DC88 5AFD0 FFBFF battery due: Mar 2024.**-----END-----

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: February 27, 2017 Tach: 5778.96 WO#: 15254 SIGNED: *[Signature]*

3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D  
(608) 268-5006 (608) 268-5038 FAX

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Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

**05/12/2017 N177AR Tach 5792 TTAF 5792**

Replaced air filter element. Replaced taxi light bulb with FAA/PMA Promethius LED bulb. Replaced nose tire. Replaced nose gear actuator up aluminum hydraulic line. Replaced o-rings in shimmy damper. Repaired crossover exhaust pipe heat shield. Removed left muffler forward support bracket to muffler bolt per Cessna service bulletin. Replaced downlock arm bumper strip. ELT checked per FAR91.207(d). CW AD11-10-09 seats and rails, visual and dimensional check, due 100 hrs/annually. CW AD15-19-07 injector lines and supports, visual inspection, due 100 hrs. All routine items checked per inspection sheets. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*Robert Russell*  
Robert Russell 3411885IA

Date: 6/29/2017; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5812.00  
\*\*\*Airframe Work\*\*\*

Replaced right main tire inner tube p/n 097-500-0 with new. Cleaned, inspected and repacked wheel bearings. Re-installed right main wheel and tire assembly. Fabricated new propeller spinner spacer from 2024-T3 .040 aluminum. Alodined, primed and installed on spinner bulkhead. Functional check normal. All work performed in accordance with approved/current technical data.

Allen M. Poulin  
AP3423144

*Allen M. Poulin*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

MYERS AVIATION, INC. OSHKOSH, WI

AIRFRAME LOG ENTRY - N177AR

July 19, 2017 Tach 5834.17

Repaired RH wingtip leading edge by replacing skin, see FAA 337 this date. Painted to match with AlumaGrip Polyurethane paint.

*Steve J. Myers*  
Steve J. Myers AP3521097IA

Date: 9/26/2017; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5888.00  
\*\*\*Airframe Work\*\*\*

Replaced left main tire inner tube p/n 097-500-0 with new. Cleaned, inspected and repacked wheel bearings. Re-installed left main wheel and tire assembly. Functional check normal. All work performed in accordance with approved/current technical data.

Allen M. Poulin  
AP3423144

*Allen M. Poulin*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

Date: 10/16/2017; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5899.50  
\*\*\*Airframe Work\*\*\*

Complied with AD 11-10-09 (6/17/11) and SE83-6 by inspect and measure of seat and seat tracks, in accordance with Cessna SEB11-4, no defects noted. AD 11-10-09 (6/17/11) reference Global AMOC letters L115W-11-1109 (Cessna SEB11-4), Global AMOC letter L115W-11-986 (10 hr extension). Replaced propeller governor cable adel clamp, near firewall, with new p/n MS21919-WDG5. Serviced oxygen system to 2000 psi. Functional check normal. All work performed in accordance with approved/current technical data.

Kenneth Hawley  
AP3711877

*Kenneth Hawley*

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

ANNUAL

DAT

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

05/12/2018 N177AR Tach 5935 TTAF 5935  
Replaced air filter element. Replaced missing rivet in plenum box. Rerouted oil temp line. Replaced O-rings in right gear leg for brake system. Replaced O-ring in left brake caliper. Replaced O-rings in shimmy damper. Repaired emergency gear handle cover hinge. Replaced gear motor solenoid. Replaced O-ring in governor head to shaft assembly. Repaired right door inner handle attach plate. Replaced one spinner bulkhead nut plate. CW AD15-19-07 injector lines and supports, visual inspection, due 100hrs. CW AD11-10-09 seats and rails, dimensional and sheets. FAR43 App D. I certify that this airframe was inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Robert Russell 3411885IA

### WISCONSIN AVIATION FOUR LAKES, INC.

#### DESCRIPTION OF WORK DONE:

N177AR

Updated Garmin GTX 345 from version 2.03 to version 2.12, Garmin GTN 750 from version 6.21 to version 6.41, Garmin G5's from version 3.20 to version 5.0 and Garmin GNC 255 from version 2.02 to version 2.20. All updates done in accordance with applicable TSO and STC service bulletins. Systems ramp check satisfactory.

-----END-----

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 6/27/18 TACH: 5952.26 WO#: AV18-15967 SIGNED: *E. J. Bendurek*

3606 Corben Ct. - Madison, WI 53704 - CRS No7DBKR124D  
(608) 268-5006 (608) 268-5038 FAX

Date: 9/21/2018; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5979.5

\*\*\*Airframe\*\*\*

Removed battery contactor p/n S-1579-2. Installed new battery contactor p/n P52-0034-1. Functional check normal.

All work performed in accordance with approved/current technical data.

Nathanael S. Rebiger

AP3840237

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

Date: 9/21/2018; Aircraft: N177AR; Type: C-177RG; S/N: 177RG0782; Tach: 5979.5

\*\*\*Airframe\*\*\*

Removed battery p/n RG-35AXC s/n 40592158. Charged new Gill battery p/n 7035-28, s/n G02983506 and installed. Functional check normal.

All work performed in accordance with approved/current technical data.

Martin McCauley

AP3654552IA

Wisconsin Aviation - Madison  
3606 Corben Court  
Madison, WI 53704  
608-268-5003



Wisconsin Aviation - Watertown  
1741 River Drive  
Watertown, WI 53094  
920-261-4567

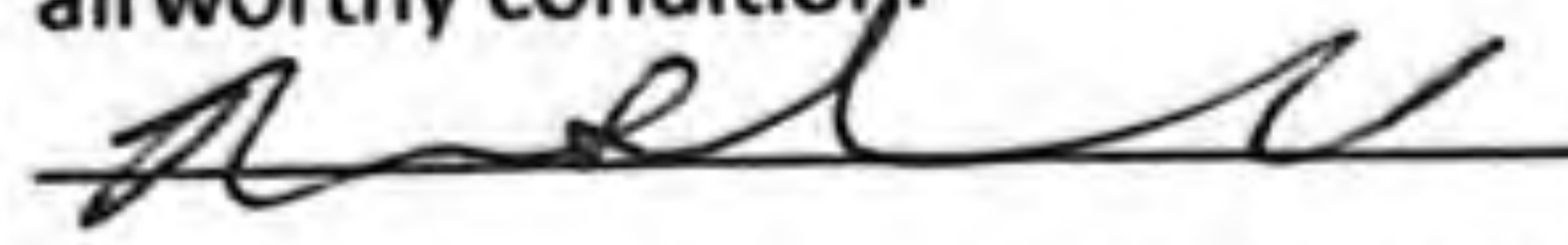
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Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

06/01/2019 N177AR Tach 6011 TTAF 6011

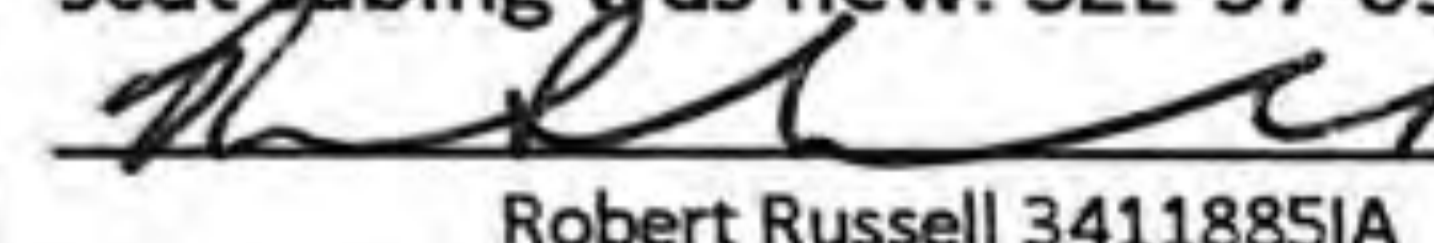
Replaced air filter element. Secured air/oil separator outlet hose clamp. Secured right cabin air vent upper door bracket. Replaced right brake pads. Repaired nose door brackets and replaced three bushing and pins. Rig throttle warning switch. Rigged prop and mixture controls for travel .CW AD 11-10-09 seats and rails, visual and dimensional checks, due 100hrs/annually. CW AD 15-19-07 injector lines and supports, visual inspection, due 100hrs. ELT checked per FAR91.207(d). All routine items checked per inspection sheets. FAR43 APP D. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

 Robert Russell 3411885IA

Aviation Plus LLC  
262-656-1260  
Aviationplusllc.com

12/23/2019 N177AR Tach 6065

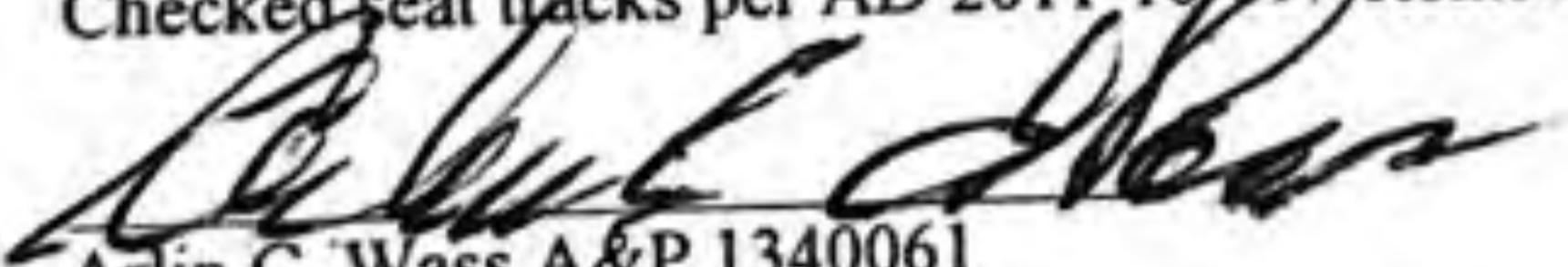
Carrythrough spar inspected for corrosion, spar was clean and had been zinc chromate protected. All overhead scat tubing was new. SEL-57-09 completed for visual inspection.

 Robert Russell 3411885IA


 **ARLIN'S AIRCRAFT SERVICE, INC.**  
200 Wings Way, Belgrade, MT 59714 (406)-898-2012  
CRS QM5R150N (KBZN)

DATE	REGISTRATION	SERIAL #	TAC & TOTAL TIME
2 NOV 2020	N177AR	177RG0782	6078.2

Annual inspection completed this date. Checked cables, pulleys, lights, brakes, tires, and battery. Checked Artex ELT per 91-207(d). ELT Battery due MARCH 2024. Drained sumps. Cleaned gascolator. Ran gear retraction check. Greased gear. Checked wing, gear and tail bolts. Installed a factory-overhauled IO-360-A1B6 engine, S/N RL-13562-51E. Installed a new Power Flow exhaust system, See Form 337 this date. Installed new right and left cowl flap cables. Had prop governor overhauled by Southwest Aero, See Form 8130-3. Installed a Challenger air filter system, see Form 337. Checked seat tracks per AD 2011-10-09. Reinstalled inspection panels and cowl.

 Arlin C. Wass A&P 1340061


I certify that the items above were repaired and/or inspected in accordance with current Federal Aviation regulations and is approved for return to service with respect to the work performed. Pertinent details of the work are on file at Arlin's Aircraft Service, Inc., under Work Order No. 28576.

 Jeremy D. Washlake A&P 3515892 IA

 **ARLIN'S AIRCRAFT SERVICE, INC.**  
200 Wings Way, Belgrade, MT 59714 (406)-898-2012  
CRS QM5R150N (KBZN)



DATE	REGISTRATION	SERIAL #	TAC
26 JUL 2021	N177AR	177RG0782	6106.9

Installed new main gear tires and packed wheel bearings.

 Arlin C. Wass A&P 1340061

S  
T



DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK								
			<b>TOTAL</b> brought forward from previous page								
 <b>ARLIN'S AIRCRAFT SERVICE, INC.</b> 200 Wings Way, Belgrade, MT 59714 (406)-898-2012 CRS QM5R150N (KBZN)											
			<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">DATE</td> <td style="text-align: center;">REGISTRATION</td> <td style="text-align: center;">SERIAL #</td> <td style="text-align: center;">TAC</td> </tr> <tr> <td style="text-align: center;">17 JAN 2022</td> <td style="text-align: center;">N177AR</td> <td style="text-align: center;">177RG0782</td> <td style="text-align: center;">6133.7</td> </tr> </table> <p>Installed a new 500 x 5 6-ply nose wheel tire and packed wheel bearings.</p> <p><i>Arlin C. Wass</i> Arlin C. Wass A&amp;P 1340061</p>	DATE	REGISTRATION	SERIAL #	TAC	17 JAN 2022	N177AR	177RG0782	6133.7
DATE	REGISTRATION	SERIAL #	TAC								
17 JAN 2022	N177AR	177RG0782	6133.7								
Executive Flight Center, 360 Clyde Shelton Drive , Meridianville AL 35759 Date: 09-04-2022 Logbook: Airframe Tail Number: N177RG  Model: 177RG Serial: 177RG0782 TACH: 6223.04 TSO:											
<p><b>Repairs / Maintenance</b></p> <ul style="list-style-type: none"> <li>● Replaced molex connector on landing light circuit with Deutsch connector. Function checked ok.</li> <li>● Removed left brake caliper and Installed 2 new brake linings P/N 066-10500. Re-installed caliper.</li> </ul> <p>The work described on the above work order was performed accordance with current regulations of the FEDERAL AVIATION ADMINISTRATION. <u>Ray Meyer AP3115846IA</u> <i>Ray Meyer</i></p>											
MAKE: Cessna MODEL: 177rg S/N: 177RG0782 REG. NO: N177AR WORK ORDER: EKS0198		 <b>Choice Aviation, LLC</b> Ennis, MT Shop – EKS PO Box 1570 Ennis, MT 59729									
DATE: 12/8/2022 A/C TSN: 6242.78 TACH: 6242.78											
<p><b>Airframe Entries</b></p> <ul style="list-style-type: none"> <li>· Opened airframe for inspection. Lubed pulleys and hinges, inspected cables. Checked lights. inspected and repacked wheel bearings. Swung landing gear and greased. Inspected and charged battery. I certify that this airframe was inspected IAW a Annual/100hr inspection IAW AC43.13 appendix D and was determined airworthy at this time.</li> <li>· C/W ELT inspection and testing per 91.207D. no defects noted at this time.</li> <li>· C/W Ad research thru 12/8/2022</li> <li>· Replaced working rivet with screw and washer. Replaced screw with new screw and washer on top front nose cowl.</li> <li>· replaced ELT Battery with new P/N 8322. Battery next due may 2029</li> <li>· C/W AD 11-10-09 seat rails and roller inspection by visual and dimensional inspection. No defects noted. Next Due 11/30/2023 or Tach 6342.78</li> <li>· C/W AD 15-19-07 by visual inspection of fuel lines and clamps. No defects noted at this time. next due 11/30/2023 or tach 6342.78</li> <li>· C/W AD 76-07-12 function test of Bendix ignition switch. No Defects noted at this time. next due 12/31/2023 tach 6342.78</li> <li>· Removed manifold pressure/ fuel flow gauge and installed overhauled gauge P/N C662037-0106RX S/N 81709 installed.</li> <li>· Replaced 3 Flap wear buttons on L/H flap with new P/N S1093-1</li> </ul>											
DATE: 12/8/2022		SIGNED <i>Jeremy Westlake</i> Jeremy Westlake, IA 3515892 IA									
		Work Order: EKS0198 Printed by EBIS 3 (datcomedia.com)									

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TOTAL  
TIME  
IN  
SERVICE

TACH OR  
RECORDING  
METER  
TIME

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTAL brought forward from previous pages

MAKE: Cessna  
MODEL: 177rg  
S/N: 177RG0782  
REG. NO: N177AR  
WORK ORDER: EKS0250



**Choice Aviation, LLC**

Ennis, MT Shop – EKS  
PO Box 1570  
Ennis, MT 59729

DATE: 4/26/2024  
A/C TSN: 6301.27  
TACH: 6301.27

**Airframe Entries**

· Opened airframe for inspection. Inspected and lubed Hinges, pulleys, cables, and bellcranks. inspected and repacked wheel bearings. C/W gear swing and emergency extension. lubed landing gear and nose gear torque links. inspected aircraft structure and controls. closed airframe. I certify that this airframe was inspected IAW a annual/100hr inspection per AC 43.13 appendix D and was determined airworthy at this time.

· C/W Ad research

· C/W ELT inspection IAW 91.207D. ELT battery due 5/2029

· Replaced R/H wing fuel sump with new sump P/N S2020-3. Leak check good.

· Cleaned and recharged engine airfilter assy.

· Serviced nose strut with Nitrogen.

· C/W AD 11-10-09 seat rails, rollers, pins, and claws by visual and dimensional inspection. no defects noted at this time. next due Tach 6401.27 or 4/30/2025

· C/W ad 15-19-07 by visual inspection of fuel injector lines and clamps. No defects noted at this time. Next due Tach 6401.23 or 4/30/2025.

· C/W Ad 76-07-12 function test of Bendix ignition switch per Ad paragraph 1 a-c. Next due Tach 6401.27 or 4/30/2025.

· C/W AD 23-02-17 per ad paragraph G and H see eddy current report from neptune aviation dated 11/16/2023. No defects noted.

I Certify that this Aircraft has been inspected in accordance with an Annual Inspection as outlined in FAR 43, Appendix D and was determined to be in Airworthy condition.

DATE: 4/26/2024

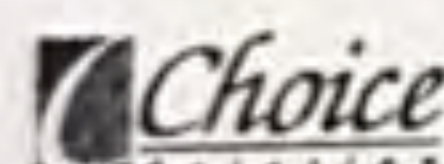
SIGNED:

Jeremy Westlake, IA: 3515892 IA

Work Order: EKS0250

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MAKE: Cessna  
MODEL: 177rg  
S/N: 177RG0782  
REG. NO: N177AR  
WORK ORDER: EKS0261



**Choice Aviation, LLC**

Ennis, MT Shop – EKS  
PO Box 1570  
Ennis, MT 59729

DATE: 5/3/2024  
A/C TSN: 6301.82  
TACH: 6301.82

**Airframe Entries**

· Replaced nose gear tire and tube. Installed owner provided new 5.00X5 tire and tube.

DATE: 5/3/2024

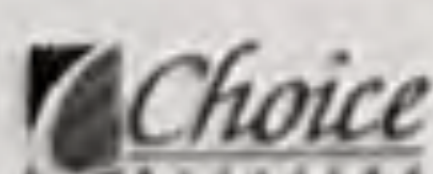
SIGNED:

Jeremy Westlake, A&P: 3515892 IA

Work Order: EKS0261

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MAKE: Cessna  
MODEL: 177rg  
S/N: 177RG0782  
REG. NO: N177AR  
WORK ORDER: HRF2529



**Choice Aviation, LLC**

Hamilton, MT Shop – HRF  
528 Airport Rd  
Hamilton, MT 59840

DATE: 6/26/2024  
A/C TSN: ~~6301.82~~ 6328.42  
TACH: ~~6301.82~~ 6328.42

**Airframe Entries**

I certify the altimeter system, altitude reporting equipment, and static system tests and inspections as required by FAR 91.411 have been performed and the systems have been found to comply with appendix E of part 43.

I certify the transponder and encoder were tested as required by 91.413 and 91.217 and were found to comply with Appendix E and F of 14 CFR Part 43.

I CERTIFY THE TRANSPONDER AND ENCODER WERE TESTED AS REQUIRED PER 14 CFR 91.413 AND 91.217 AND WERE FOUND TO COMPLY WITH APPENDIX E AND F OF 14 CFR PART 43.

Pilot side  Copilot Side  Only

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was inspected and determined to be airworthy with respect to the work performed, and is approved for return to service.

DATE: 6/26/2024

SIGNED:

Work Order: HRF2529

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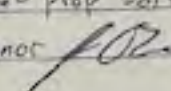
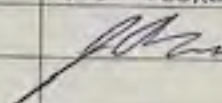
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DATE	TOTAL TIME IN SERVICE	TAGH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
8-18-25	6372.23		Removed spinner backplate and sent to K+K precision welding to repair crack. They repaired crack IAW spec #1000. See details at Repair station GRS #XKKR4366 WO #10024. Reinstalled backplate and prop. Torqued prop bolts per McCauley SFS 227B. Josh O'Connor  AP3613811
8-18-25	6372.23		I have inspected the aircraft for the proposed flight and found it safe for the proposed flight on 8-19.  Josh O'Connor AP3613811IA



NI77AR

ACTT:6373.04

8/27/25

Discrepancy: Aircraft Annual Due. Corrective Action: Inspection completed IAW Cessna 177RG service manual D991-3-13 and FAR43. Checked ELT per 91.207(d). Ops check good. ELT Batt due May 2029. Lubricated IAW service manual "servicing" chapter. Cleaned and lubricated engine air filter. Cleaned fuel strainer. Performed emergency gear extension and multiple fault free gear cycles. Updated GS software to 8.27 and IGRF data to current. AD Compliance check completed. C/W recurring AD's 2011-10-09, 76-07-12, and 15-19-07. No defects noted. All other AD's complied with or not due at this time. See AD compliance sheet entered in aircraft permanent logs. I certify this aircraft has been inspected in accordance with an annual inspection and found to be airworthy.

Work Performed By: Josh O'Connor AP3613811IA