

ENGINE MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N31EH

Engine Manufacturer Lycoming

Model I0-360 A1B6D

Serial No. L-16702-51A

Date installed on aircraft 10/4/97

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right
☐ Front

☐ Left
☐ Rear



AEROTECH PUBLICATIONS INC.
PO BOX 1359 / SOUTHOLD, NY 11971-0965
(516) 765-9375
FAX: (516) 765-9359

Engine Overhauled at A-C Total time and Engine Total Time 295.3

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
		51.6		TOTALS brought forward from previous page
6-5-98		165.5	13.9	100 hr Inspection Completed. Changed Oil & Filter. Installed Aeroshell 100W oil. CH48110 Filter. Comp. CK #1-70 2-73 3-72 4-70, Fuel Filters Cleaned Fuel Injectors cleaned Spark Plugs Cleaned & Gaped, AD-98-02-08 C/W by Visual Inspection No Corrosion or Pits. Perme. Check OK P 1480372
				CESSNA MODEL 177RG N31EN SN: 177RG1155 June 5, 1998 Hobbs 13.9 TTAF 3067.6 Lycoming IO-360A1B6D s/n L-16702-51A SMOH 65.5 I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.
				Ray Krottinger AP 460648337 IA
				I HAVE INSPECTED THIS AIRCRAFT N31EN AND FIND THAT IT MEETS THE REQUIREMENTS FOR THE CERTIFICATION REQUESTED AND HAVE ISSUED A STANDARD SPECIAL EXPORT AIRWORTHINESS CERTIFICATE DATED 6-10-78 THE NEXT ANNUAL INSPECTION IS DUE 6-5-99 DAR-118 FS-SW
6/22		117.0	51.5	Jonathan Cowley Changed oil + filter CH48103 + Aeroshell 100. Repaired CHT harness and ran up engine. CHT OK + no leaks. James Rivers A+P 463905554 w/ 98077 dated 6/22/98
				117011 Highway 37751
				75125
				SECTION 9 BODR043K
				SUB-TOTALS this page
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				TOTALS brought forward from previous page
7/31		170.7	0111.1	Oil & filter change with CH48103 and Aeroshell 100. Adjusted governor cable rigging and High RPM stop and blended rich in propeller tip. Flight test ok. <i>James Rivas</i> A/P 463905554 Maintenance Release The aircraft and/or appliances identified above was repaired and/or inspected in accordance with current Federal Aviation Regulations and was approved for return to service. Pertinent details of the maintenance performed are on file at this agency under work order # <u>98105 dated 7/31/98</u> Authorized Signature <i>James Rivas</i> Date <u>7/31/98</u> Total Time <u>170.7 SM OH</u> Bourland Field, Inc. Rt. 5, Box 247Z (17611 Highway 377S) Fl. Worth, TX 76126 Repair Station # BQDR043K
10.26.98		220.80	0161.2	Changed oil & filter using Aeroshell 100 and a CH48103. Cleaned & lubed starter bendix. Cleaned, gapped and rotated spark plugs. Checked mag timing and washed engine. Run-up ok no leaks noted. <i>James Rivas</i> A/P 463905554 Bourland Field, Inc. Rt. 5, Box 247Z (17611 Highway 377S) Fl. Worth, TX 76126 Repair Station # BQDR043K
				SUB-TOTALS this page
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				TOTALS brought forward from previous page
032299			0229.0	changed oil & filter using AeroShell 100 and a CH48103 filter, James R A2463905554
8-24-99	3237.9	299.5	299.5	77 HOBAS 970.3 - Engine Disassembled and Top overhauled with these new parts installed CASE IO360 match 1619 SNL-18004-51A Diaco R.S. DB2R762K WDC. 68790, Thrustuds 76220, Berings SL11020-mo3, SL13521 m10, LW13884 mo3, Piston Pin Plugs 60828, SL13641 magneto cushions, SL3601-SC Ring sets and SL12994 gasket set, Engine Reassembled IAW. Lyc. oil manual 60294-7. Drained oil cooler, installed CH48103 filter Added 9 quarts shell 100 mineral Engine Reinstalled in N31EN IAW. Cessna manual D2009-4-13. Complied with AD93-0205 Fuel line insp. Replaced #4 inj line LW12098-0-210. Replaced fuel hoses Firewall to Pump, Pump to inj oil hoses to oil cooler, Drain vac + vent hoses, cleaned gapped + Rotated Plugs. Adj Eng timing Repaired Eng Baffleing, Replaced scab hose Replaced BAS705 air filter, cleaned inlet Fuel inj screen, Purged fuel system, Eng Run up and leak checked. AD5 checked thru BW-99-10. Continued next Page → ← 9
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				TOTALS brought forward from previous page
3-17-00	3425.4	487.0	487.0	Completed 100 Hour Inspection. Changed engine oil and filter, serviced with 8 Qts aeroshell w65. %w AD 93-02-05 by inspection of fuel nozzle fuel lines next due at tach 587.0. %w AD 96-12-07 by inspection of magneto impulse coupling checked ok next due at tach 987.0, Lube felts and checked contacts.
DATE <u>3-17-00</u> T.T. IN SERVICE <u>3425.4</u> COMPRESSION CHECK: CYL. 1 <u>70/80</u> CYL. 2 <u>71/80</u> CYL. 3 <u>71/80</u> CYL. 4 <u>75/80</u> CYL. 5 <u>75/80</u> CYL. 6 <u>75/80</u>				DATE <u>3-17-00</u> T.T. IN SERVICE <u>3425.4</u> AD'S CHECKED THRU: <u>BW00-04</u> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 Hour</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Jeremy McKay</u> AIP 51876249
3-23-00		494.4	494.4	Replaced each spark plug with new champion RHM38E. Jeremy McKay AIP 51876249
5-11-00		535.2	535.2	changed engine oil + filter ADDED 8 QTS Aeroshell W 100 <u>Gary Thomas</u> AIP 529311793
6-29-00		584.5	584.5	C/W 100 hr inspection changed engine oil + filter ADDED 8 QTS Aeroshell W 100 cleaned Gapped + rotated SPARK PLUGS
DATE <u>06-29-00</u> T.T. IN SERVICE <u>3522.9</u> COMPRESSION CHECK: CYL. 1 <u>74</u> CYL. 2 <u>72</u> CYL. 3 <u>72</u> CYL. 4 <u>75</u>				DATE <u>06-29-00</u> T.T. IN SERVICE <u>3522.9</u> AD'S CHECKED THRU: <u>BW00-11</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Gary Thomas</u> AIP 529311793
SUB-TOTALS this page				
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TOTALS brought forward from previous page				
07-20-00	3570.4	632.0	632.0	changed engine oil + Filter ADDED 8 QTS Aeroshell W 100 Gary Thomas ATP529311793
8-18-00	3888.8	680.4	TACH 680.4	Completed 100 hour inspection. Changed engine oil and oil filter, Serviced with 8 Quarts Aeroshell W100 oil. C/W AD 93- 02-05 by inspection of injector lines, due again by Tach 780.4 OR 8/01.
DATE 8-18-00 T.T. IN SERVICE 3888.8 AD'S CHECKED THRU: BW 00-14 I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: Gary Thomas ATP529311793				
9-10-00	3930.4	722.5	TACH: 722.5	changed engine oil + Filter ADDED 8 QTS Aeroshell W 100 Gary Thomas ATP529311793
9-29-00	3980.4	777.5	777.5	C/W 100 HR INSPECTION Changed engine oil + Filter ADDED 8 QTS Aeroshell W100, C/W AD 93-02-05 BY INSPECTION OF injector lines checked OK next due @ 877.5
DATE 9-29-00 T.T. IN SERVICE 3980.4 AD'S CHECKED THRU: BW 00-17 I CERTIFY THAT THIS engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: Gary Thomas ATP529311793				
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10-27-00	Tach:	817.7		changed engine oil & Filter ADDED 8 Qts Aeroshell W 80 <i>Darryl Thomas ACP 529311793</i>
1-26-01	4079.2	876.3	876.3	c/w 100 Hr. inspection, changed engine oil and filter, added 8 qts. aeroshell 65W oil. c/w AD 93-02-05 by inspection of fuel injector lines, checked O.K. due again at 976.3. c/w AD 00-18-53 by using supplement #1 of SB 543A (dated Oct. 1, 2000) changed converter plate gasket p/n 06B23072, no further action required.
1-26-01 T.T. IN SERVICE 4079.2 COMPRESSION CHECK: CYL 1 <u>75/80</u> CYL 2 <u>76/80</u> CYL 3 <u>X</u> CYL 4 <u>76/80</u> CYL 5 <u>78/80</u> CYL 6 <u>X</u>				1-26-01 T.T. IN SERVICE 4079.2 ALSO CHECKED TIRU: BW 01-01 I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>[Signature]</i> ACP 520926527
3-20-01	Tach:	916.9		changed engine oil & filter, added 8 Qts Aeroshell W 65 oil. <i>[Signature]</i> ACP 520926527
5-23-01	TOTAL TIME: 4175.6	TSMO: 972.7	TACH: 972.7	Changed engine oil and oil filter, serviced with 8 Quarts Aeroshell W 80 OIL. Replaced Bottom spark plug in # 2 cyl. c/w AD 93-02-05 by inspection of fuel injector lines I/A/w SB 342A, No defects noted due again by 5/2002 or TACH 1072.7. c/w AD 96-12-07 by inspection of impulse coupling → —Continued Next page—
				SUB-TOTALS this page
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				TOTALS brought forward from previous page
5-23-01			972.7	—Continued From Previous Page.— → of Magneto D4LN-2021 5/2 13878T, No defects noted due again by Tach: 1472.7 Adjusted and lubed contacts.
				DATE 5-23-01 T.T. IN SERVICE 4175.6 AD'S CHECKED THRU: <u>BW 2001-09</u> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hour</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>James W. King AIP 518762049</u>
				DATE 5-23-01 T.T. IN SERVICE 4175.6 COMPRESSION CHECK: CYL. 1 <u>7 1/8</u> CYL. 3 <u>7 1/8</u> CYL. 5 <u>7 1/8</u> CYL. 2 <u>7 1/8</u> CYL. 4 <u>7 1/8</u> CYL. 6 <u>7 1/8</u>
5-28-1			980.3	Replaced crankshaft seal check for leaks OK. <u>King Stolz AIP 518602172</u>
7/26/01	Tach 1022.8 TTIS: 4229.7 TSMO: 1022.8			Changed engine oil and filter. Added 8 qts shell W100. <u>Chin Oyer APS19215227</u>
8-13-01	Tach: 1068.7 TTIS: 4271.6 TSMO: 1068.7			c/w 100 Hr. inspection, changed engine oil and filter. Added 8 Qts Aeroshell w100 oil. c/w AD 93-02-05 by inspection of injector lines, checked O.K. Next due: 1168.7 Replaced SCAT tubing from intake to left heater shroud.
				DATE 8-13-01 T.T. IN SERVICE 4271.6 AD'S CHECKED THRU: <u>BW-01-15</u> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr.</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>James W. King AIP 520926332</u>
				COMPRESSION CHECK: CYL. 1 <u>76/100</u> CYL. 3 <u>77/100</u> CYL. 5 <u>77/100</u> CYL. 2 <u>76/100</u> CYL. 4 <u>76/100</u> CYL. 6 <u>76/100</u>
				SUB-TOTALS this page
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	4301.3	1098.4	1098.4	TOTALS brought forward from previous page
Nov. 1, 2001	4301.3	1098.4	1098.4	Engine disassembled due to cracked crank case. Replaced crank case with new one Part# 11B 20061-104-5 Ser# TPD983PT. Installed new main bearings Part# LW-13884me3 and LW-16711M03 Piston Rings SL3601 Piston Pin Plugs 60828 Spark Plugs RHM38E all Gaskets and Seals. Reassembled as per Lycoming O-H manual 60294-7. Fuel servo Ser# 60768 and Fuel dist valve Ser# 407H overhauled by rocky mountain aircraft Acc. W.O. # 772. New Fuel pump installed part # LW15473. engine reinstalled in Cessna N31EN as per Cessna manual D20009-4-13. Serviced with Aeroshell 65 non detail, C/W A-D 93-20-05 by insp of fuel lines and clamping next due at Tach 1198.4 Engine Run-up leaked checked OK for return to service, 100Hr insp C/W.
				DATE <u>Nov. 1, 2001</u> T.T. IN SERVICE <u>4301.3</u> AD'S CHECKED THRU: <u>2001-21</u> . I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Aug Holly</u> ACP518602172
12-12-01	4322.0	1119.1	1119.1	Completed an engine check up. Changed oil and filter. Serviced with 8 qts shell w65 oil. Chris Ogh ACP514215727
				SUB-TOTALS this page
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03-13-02	4348.3	1145.4	1145.4	changed engine oil & Filter ADDED 8 QTS AEROSHELL W 65 Harry Thomas ATP52931173
6/11/02	4400.0	1197.1	1197.1	COMPLETED A 100 HR. INSPECTION. CHANGED ENGINE OIL & OIL FILTER. SERVICED ENGINE WITH ⑧ QTS AEROSHELL W-100 OIL. C/W AD 93-02-05 BY INSPECTION OF FUEL INJECTOR LINES. DUE NEXT AT 6/03 OR TACH: 1297.1 CLEANED INDUCTION AIR FILTER. DATE 6/11/02 T.T. IN SERVICE 4400.0 AD'S CHECKED THRU: 06/02-10 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: J. C. Alder ATP 519026460
6/14/02			1201.2	Replaced valve cover gas ket on #2 cylinder p/n: 67193. leak check. No leaks found. fused Shimmy ATP520926332
7/11/02	4444.5	1241.6	1241.6	CHANGED ENGINE OIL & OIL FILTER. SERVICED ENGINE WITH ⑧ QTS. AEROSHELL W-100 OIL. John C. Alder ATP 519026460
9-6-2002	4496.8	1293.9	1293.9	Change oil and Filter Shell W-100 C/W A-D 93-02-05 Fuel Inj lines checked OK Next Due at tach 1393.9 Replace air filter DATE 9-6-2002 T.T. IN SERVICE 4496.8 AD'S CHECKED THRU: 02-16 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: Meg Dolly ATP518602122
				SUB-TOTALS this page
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12-2-02			1329.5	Replaced left and right contact assemblies in the Magneto. Checked "E" gap and reset timing, lubricated distributor block felts. <i>James McKay</i> AP 519762249
1/21/03	4546	1343.1	1343.1	Changed engine oil and oil filter. Serviced w/ 8 Qts. Aeroshell W65 oil. <i>James McKay</i> AP 520926332
3-11-03	4596	1393.1	1393.1	Completed a 100hr. inspection I/A/W Cessna model 177RG service manual. Changed oil and oil filter, serviced w/ 8 qts. of Shell W65 oil. C/W AD 02-26-01 this AD supersedes AD 93-02-05 fuel injection lines checked O.K. Next due @ 1493.1
DATE 3-11-03 T.T. IN SERVICE 4546.0 COMPRESSION CHECK CYL 1 78/80 CYL 2 77/80 CYL 3 77/80 CYL 4 78/80 CYL 5 77/80 CYL 6 78/80 DATE 3-11-03 T.T. IN SERVICE 4546.0 AD'S CHECKED THRU: BW-03-04 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION. SIGNED: <i>James McKay</i> AP 519762249				
5-30-03	Tach:	1434.0		Changed oil + Filter Serviced w 8 qts Aeroshell W 100 oil - No abnormal indications in the removed oil Filter <i>D. J. Peat</i> AP 2613300
7-17-03	TACH: 21692 T.T.I.S	1489.1		Completed a 100hr. inspection I/A/W Cessna model 177RG service manual. Changed oil and oil filter, serviced w/ 8 qts. - Next
				SUB-TOTALS this page
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7-17-03	TACH: 1489.1			-last. Aeroshell w/100 oil. Cleaned, gapped and retated spark plugs. C/w AD 02-26-01 by inspection of injection lines, and clamps E/A/13 MSB-342D, V O.K. next due @ 1589.1 Compression test as follows #1 77/80 #2 76/80 #3 77/80 #4 78/80 DATE 7-17-03 T.T. IN SERVICE 1489.1 AD'S CHECKED THRU: R12-3-13 I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Clayton H. P. 212511</u>
8-11-03	TACH 1537.8			CHANGED OIL & FILTER SERVICED w/ 8 QTS OF AEROSHELL W/100. <u>Monica A/P 2719585</u>
9-8-03	Tach : 1584.6 TTIS : 4787.5 TSOH : 1584.6			C/w 100 hr inspection IAW Cessna 177R6 Maint. Manual. - -Changed oil & Filter - Serviced w/ 9 qts Aeroshell W/100 oil - C/w AD 02-26-01 by inspection of injector lines clamped system IAW MSB 342D - (C/w AD) 96-12-07 by inspection of impulse coupling & stop pins - Replaced block Assy. (PN: 10-682054) and brushes (PN-10-160844) in Magneto per TCM X40000 Master Service Manual. - Serviced Spark plugs - Compression ✓ OK as below - DATE 9-8-03 T.T. IN SERVICE 4787.5 AD'S CHECKED THRU: <u>R12-3-17</u> I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>D. Ray Bird AP 2613300</u> COMPRESSION CHECK: CYL 1 69/80 CYL 3 75/80 CYL 5 X CYL 2 75/80 CYL 4 79/80 CYL 6 X
11-5-2003	4626.1	1686.8	1635.2	Audit of engine time this date Engine total time 4626.1 Time since major overhaul 1686.8 SUB-TOTALS this page <u>Aug Holtz A/P 2767079</u> TOTALS—Carry forward to next page

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	4626.1	1686.8	1635.2	TOTALS brought forward from previous page
Nov 5, 2003	4626.1	1686.8	1635.2	Completed 100 Hr insp. changed oil and filter Acroshe'll 80W. Replace prop governor (see eng log) after overhaul. C/W A-D 02-26-01 by insp of fuel injector lines and clamping next due at tach 1735.2
DATE <u>11-5-03</u> T.T. IN SERVICE <u>4626.1</u> COMPRESSION CHECK CYL. 1 <u>75</u> CYL. 3 <u>75</u> CYL. 5 <u>X</u> CYL. 2 <u>75</u> CYL. 4 <u>75</u> CYL. 6 <u>X</u>				
DATE <u>11-5-2003</u> T.T. IN SERVICE <u>4626.1</u> AD'S CHECKED THRU <u>0003-21</u> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 Hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Aug Stolz</u> AIP 2767079				
1-30-04	Tech:	1680.7	—	Inspected & Dressed Prop as Required D. Key Beal AP 2613300
1-30-04	Tech	1680.7	—	Changed oil & Filter - no abnormal indications in old Filter - Serviced w/ 12 quarts Acroshe'll W 65 oil — D. Key Beal AP 2613300
3-23-04	Tech. 4720.0 4720.9	1730.0 1781.6	Tech 1730.0	Completed a 100 Hr. inspection, IAW Cessna 172 RG service Manual. Changed oil and Filter, serviced with 8 qts shell W 80 oil. C/W AD 02-26-01 Lyc. fuel injector lines by inspection of lines and clamps OK next due: 1829.0 Cleaned gapped and rotated plugs. — continued to Next —
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3-23-04	4720.9	1781.6	1730.0	Cont. from prev. Compression Test. as follows #1 $\frac{25}{80}$ #2 $\frac{25}{80}$ #3 $\frac{25}{80}$ #4 $\frac{25}{80}$
				DATE 3-23-04 T.Y. IN SERVICE 4720.9 AD'S CHECKED THRU: B.W. 04-04 CERTIFY THAT THIS engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100% INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: Chris Ogden AP2789673
8-20-2004	4767.5	1828.2	1776.6	engine disassembled due to camshaft failure. Reassembled as per hys. overhaul manual 60294-7 with new camshaft # LW-18840 Tappets 72877 Piston rings 74241, 14# 21950 Piston pin plugs 60828, gaskets seals. Serviced with aeroshell 50 Non-dct. engine installed in cessna 31EN as per Cessna manual D20009-4-13. C/W A-D 02-26-01 Fuel in g lines and clamps by inspection Next due at tach 1976.6 C/W A-D 96-12-07 by insp of impulse coupling and stop pins next due at tach 2276.6. Engine run-up and leaked checked OK for return to service. Aug Hottel AP2767079
10-5-04	4720.9	1876.9	1825.3	Completed an Annual inspection IAW Cessna 177RG Series Service Manual. Changed oil and filter serviced with 8 qts shell W80 oil.
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10-5-04	4720.9	1876.9	1825.3	- continued from previous page - Compression Test #1 $\frac{75}{80}$ #2 $\frac{75}{80}$ #3 $\frac{75}{80}$ #4 $\frac{75}{80}$. C/W AD 02-26-01 by inspection of fuel injector lines and clamps ✓ OK next due at tach 1925.3. Cleaned, gapped and rotated spark plugs replaced #2 upper and #3 bottom plugs RHM38E
				DATE 10-5-04 T.T. IN SERVICE 4720.9 AD'S CHECKED THRU BU 04-181 CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Shawn Dwyer</u> A/P5463311495/4
11-23-04	4777.2	1933.2	1881.6	Changed oil & filter. Serviced w/ 8qts AeroShell w65 oil. _____ F.F. Dwyer A/P 2843533
3-16-05	4816.2	1972.2	1920.6	COMPLETED 100 hr INSPECTION 1/4 LW CESSNA 177R6 SERIES SERVICE MANUAL. CHANGED OIL & FILTER, SERVICED w/ 8 QTS OF SHEW W65 OIL. REPLACED SPARK PLUGS FROM CYLINDERS, #1, #2 & #4 w/ NEW CHAMPION RHM38E PLUGS. REPLACED GASKET UNDER OIL FILLER TUBE w/ NEW GASKET, P/N 72059. TORQUED & SAFTIED A/R. TIGHTENED UP ALT. BELT A/R. CONT...
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				TOTALS brought forward from previous page
9-12-05	4950.9	2106.9	TACH 2065.3	CHANGED ENGINE OIL & FILTER, SERVICED w/ 8 QTS OF STEEL W100 OIL. <i>[Signature]</i> P2719585
9-22-05	4966.3	2122.3	2080.7	INSTALLED OVERHAUL KIT STANTEN P/N M2-4222 S/N C073155 FROM KELLY AEROSPACE 9-22-05 <i>[Signature]</i> P2719585
10-14-05	5099.8	2160.5	TACH 2108.9	COMPLETED 100 HR INSP. 1141W CESSNA 171RB SERIES SERVICE MANUAL. CHANGED ENGINE OIL & FILTER, SERVICED w/ 8 QTS OF STEEL W80 OIL. CLEANED SERVICED & ROTATED SPARK PLUGS. C/W AD 02-26-01 BY INSP. OF FUEL INT. LINES & CLAMPS PER MSB 342E — OK NEXT DUE @ 2208.8. REPAIRED ACT. BRUSHES w/ BRUSH KIT P/N ES4118. OPS & COOL. REPAIRED ① ENGINE COWL CORD MOUNT w/ NEW P/N J7444-14. REPAIRED INDUCTION AIR FILTER w/ NEW P/N BA5705 ELEMENT.
DATE 10-14-05 T.T. IN SERVICE 5099.8				DATE 10-14-05 T.T. IN SERVICE 5099.8
COMPRESSION CHECK, CYL 1 74/90 CYL 2 73/80 CYL 3 73/80 CYL 4 78/80 CYL 5 73/80 CYL 6 78/80				AD'S CHECKED THRU 10-15-19 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100% INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>[Signature]</i> P2719585
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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
				TOTALS brought forward from previous page
				N31EN TACH: 2152.4 10 NOV 2005
				CHANGED OIL AND FILTER. Re-Serviced
				With 8 quarts AS 100-50W. INSTALLED
				CH48103 Filter. RAN ENGINE, NO LEAKS
				at this time.
				<i>[Signature]</i> AP.4202322818A.
12-12-05	5169.4 2178.5	2230.1 2178.5	TACH 2178.5	CHANGED OIL SERVICE WITH SKILL WGS 12-12-05 <i>[Signature]</i> AP.4202322818A.
12-15-05	5169.4	2230.1	TACH 2178.5	COMPLETED A 100 HR INSP. 1/A/W LESS NA 177B6 SERIES SERVICE/MAINT. MANUITE. CHANGED ENG OIL FILTER W/ NEW P/N CH48103-1. CLEANED, SERVICED & ROTATED SPARK PLUGS. O/W TO 02- 26-01 BY INSP. OF FUEL INJ. LINES & CLAMPS 1/A/W MSB 342E. V OK NEXT DUE @ 2278.5 OR AFTER ANY FUEL INJ. LINE REMOVAL OR MAINT. REPTURED ① ENG LOW L ORO MI. REPTURE W/ NEW J7444-14.
DATE 12-15-05	T.T. IN SERVICE 5169.4	DATE 12-15-05	T.T. IN SERVICE 5169.4	AD'S CHECKED THRU: <i>[Signature]</i> 05-24 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>[Signature]</i> AP.2719585
COMPRESSION CHECK:				
CYL. 1 75/80	CYL. 3 77/80	CYL. 5		
CYL. 2 75/80	CYL. 4 78/80	CYL. 6		
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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
				TOTALS brought forward from previous page
3/16/06	5218.8	2279.5	TACH 2227.9	Changed oil and Filter serviced Engine w/ 8 qts Acrosshell ^{W65} W65 oil <i>[Signature]</i> APP 571150844
5-23-06	5267.2	2328.3	2276.3	Completed a 100 Hr inspection IAW Cessna 177 RG Series Service Manual. Changed oil and Filter serviced with 8 qts shell w 100 oil. Cleaned gapped rotated spark plugs. Compression Test as follows #1 75/80 #2 78/80 #3 78/80 #4 75/80. DATE 5-23-06 T.T. IN SERVICE 5267.2 AD'S CHECKED THRU 06-10 I CERTIFY THAT THIS Eng. W. HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hr. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED <i>[Signature]</i> APP 27151622
7-17-06 7-16-06	5322.3	2383.4	TACH 2331.4	CHANGED ENGINE OIL & OIL FILTER, SERVICED W 8 QTS OF SHELL W100. <i>[Signature]</i> APP 2719585
10-19-06	5352.4	2413.5	TACH 2361.5	COMPLETED AN ANNUAL INSP IAW CESSNA 177RG SERIES SERVICE MANUAL CHANGED ENG. OIL & OIL FILTER, SERV- ICED W/ 8 QTS OF SHELL W65 OIL. CLEANED, SERVICED & ROTATED SPARK PLUGS. C/W AD 02-26-01 BY INSP OF FUEL INJECTION LINES & CLAMPS I/A/W MSB 342 E. CONT. TO NEXT P. 6.
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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
				Page No. _____
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CONTINUED FROM LAST...				✓ OK NEXT DUE @ 2461.5, NEXT ANNUAL OR AFTER ANY FUEL INT. LINE MAINTENANCE. AD 06-06-16 CRANKSHAFT REPLACEMENT FOUND TO BE N/A BY ENGINE S/N & OR CRANK-SHAFTS/N NOT LISTED IN SUPPLEMENT 1 OF MSB 566. AD 06-20-09 CRANK-SHAFT RETIREMENT FOUND TO BE N/A. ENGINE S/N NOT LISTED IN TABLE 1 OF MSB 569A. REMOVED & REPLACED ROCKER BOX COVER GASKET #1 CYL. PIN 67193 GASKET. REMOVED & REPLACED BOTH PUSH ROD TUBE SEALS ON FWD TUBE #3 CYL. PIN LW18661 SEAL. REINSTALLED BOX COVER W/NEW GASKET PIN 67193. REMOVED & REPLACED AIR INTAKE FILTER W/NEW BASTOS ELEMENT INSPECTED COMPONENTS I/A/W DOC 1-194 ✓ OK. COMPRESSION ✓ #1 76/80, #2 78/80, #3 75/80 & #4 76/80.
				DATE 10-19-06 T.T. IN SERVICE 5350.4
				AD'S CHECKED THRU BU 06-20 I CERTIFY
				THAT THIS ENGINE HAS BEEN INSPECTED
				IN ACCORDANCE WITH AN ANNUAL
				INSPECTION AND WAS DETERMINED TO BE IN
				AIRWORTHY CONDITION.
				SIGNED: <i>[Signature]</i> 4027195851A

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	5388.5	2449.5	2397.5	TOTALS brought forward from previous page
4-04-07				Inspection performed I/A/w Cessna guide. Changed oil with 3 qt's Amsoil 40w and installed new filter. Cleaned and gapped plugs. Compression checked satisfactory on all cyls. Reinstalled prop after O/H. Washed, run and leak checked OK. I certify that this eng. was insp. I/A/w an annual insp. and was determined to be in airworthy condition. Ronald O Murphy AP2109072-IA
1 MAY 06	5526.0	2523	2472	Inspection was performed IAW CESSNA Guide compressions 1 72, 2 74 3, 72, 4 72 over 80 Replaced fuel line from fuel pump to servo installed fuel flow servo for fuel flow indicator installed under STC 56094455E and STC 5A 2584UN, 5A0043256. Removed fuel nozzles and installed Gami injectors under STC 5E094455E. Replaced scatt hose from intake in couings to heater muff. Replaced 1 spark plug the others were cleaned and gapped. Replaced bolt on Exhaust heat shield. Engine was ground tested. No defects found. I certify that this engine was inspected IAW an annual inspection and was determined to be airworthy <i>[Signature]</i> 22594461

Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 2522.5 Computed TT 5275.5 SMOH 2572.6 Date 01-28-2009

Installed overhauled magneto from Quality Aircraft Accessory, PN 10-382555-11 S/N 33901. Set timing as per Textron Lycoming engine manual. Ground run, operational and leak check satisfactory.

Ronald O. Murphy AP2120772IA

Ronald O Murphy

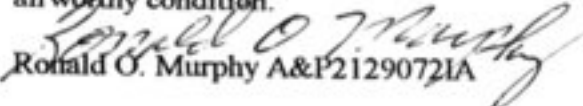
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6-20-09	5302.9	2600	2548.9	Inspection performed I/A/w Cessna guide. Oil not changed at this time. Check and gapped plugs. All Compressions checked above 75%. Installed new Bronckett filter element. Worked, run and leak checked OK. — I Certify that this eng. was insp. I/A/w an Annual insp. and was determined to be in Airworthy Condition. Ronald O Murphy A/P 2129072IA
11-9-09			2572.6	Ronard prop governor and reinstalled after O/H by US propeller service. Ground run and adjusted. Check satisfactory. — Ronald O Murphy A/P 2129072
7-24-10	5340.4	2637.5	2586.4	Inspection performed I/A/w Cessna guide. Changed oil with 8 qts Ron Hall 15W50 and installed new filter. — I Certify that this eng. was insp. I/A/w an Annual insp. and was determined to be in Airworthy Condition. — Ronald O Murphy A/P 2129072IA Check and gapped plugs. Compression checked at 80 PSI. #1. 76, 2. 75, 3. 75, 4. 77. Installed new fuel line from flow divider to firewall. Worked, run and leak checked OK. —
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Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 269.5 Computed TT 5375.5 SMOH 2672.6 Date July 19, 2011

Inspection performed I/A/W Cessna guidelines. Drained oil, installed new AA-48103 oil filter, and serviced engine with 8 quarts Aero Shell 100W/50 oil. Removed, cleaned, inspected all plugs, performed compression check. The results as follows, Cylinder #1 75/80, #2 73/80, #3 77/80, #4 76/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation. Lubrication engine controls.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.


Ronald O. Murphy A&P2129072IA

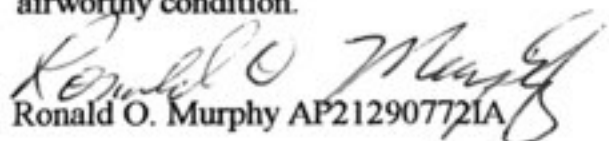
Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 2651.1 Computed TT 5405.7 SMOH 2702.8 Date August 31, 2012

Inspection performed I/A/W Cessna guidelines. Drained oil, installed new AA-48103 oil filter, and serviced engine with 8 quarts Aero Shell 100W/50 oil. Removed, cleaned, inspected all plugs, performed compression check. The results as follows, Cylinder #1 75/80, #2 73/80, #3 77/80, #4 76/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation. Lubrication engine controls.

Installed new Tempest AA 3215-CC Instrument air pump, and C/W AD 08-14-07 Fuel Injector Line routing and chaffing inspection. Ground run aircraft, leak check OK.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.


Ronald O. Murphy AP21290772IA

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
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N341RG S/N 177RG-1155 Tach 2689.0 Computed TT 5443.0 SMOH 2740.1 Date September 26, 2013

Inspection performed I/A/W Cessna guidelines. Drained oil, installed new AA-48103-2 oil filter, and serviced engine with 8 quarts Aero Shell 100W/50 oil. Removed, cleaned, inspected all plugs, installed 4 each new plugs in all top cylinders. Performed compression check. The results as follows, Cylinder #1 70/80, #2 70/80, #3 76/80, #4 70/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation, lubricated engine controls.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Ronald O. Murphy
Ronald O. Murphy AP212907721A

Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 2714.4.0 Computed TT 5468.4 SMOH 2765.5 Date 10-09-2014
Inspection performed I/A/W Cessna guidelines. Drained oil, installed new AA-48103-2 oil filter, and serviced engine with 8 quarts Aero Shell 15W50 oil. Removed, cleaned, inspected all plugs. Performed compression check the results as follows, Cylinder #1 75/80, #2 75/80, #3 76/80, #4 74/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation, lubricated engine controls.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Ronald O. Murphy AP212907721A

Ronald O. Murphy

Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 2734.8 Computed TT 5488.8 SMOH 2785.9 Date 11-16-2015
Inspection performed I/A/W Cessna guidelines. Drained oil, installed new AA-48103-2 oil filter, and serviced engine with 8 quarts Aero Shell 15W50 oil. Removed, cleaned, inspected all plugs. Performed compression check the results as follows, Cylinder #1 78/80, #2 76/80, #3 78/80, #4 74/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation, lubricated engine controls.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Ronald O. Murphy AP212907721A

Ronald O. Murphy

Murphy Aviation 150 Air Harbor Rd. Greensboro, N.C. 27455

N341RG S/N 177RG-1155 Tach 2753.8 Computed TT 5507.8 SMOH 2804.9 Date 11-30-2016

Inspection performed I/A/W Cessna guidelines. Serviced engine with 1-quart Aero Shell 15W50 oil, engine oil not changed due to time in service. Removed, cleaned, inspected all plugs. Performed compression check the results as follows, Cylinder #1 75/80, #2 74/80, #3 76/80, #4 72/80. All sparkplugs gapped and reinstalled. Installed new BA-5705 Air filter element. Washed engine, check all control linkage for proper operation, lubricated engine controls.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Ronald O. Murphy AP212907721A

Ronald O. Murphy

8-75-18 2792.0

Changed oil with 7 qts Aero Shell 15W50 and installed new filter. Washed, run and back checked OK. Ronald O. Murphy
A/P2129072

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DATE

Performed annual inspection IAW Cessna 100 series maintenance manual. Compression check performed the results as follows. 1)74/80 2)72/80 3)76/80 4)76/80. Installed new bracket air induction filter element PN BA-5705. C/W AD 15-19-07 external fuel injector lines, routing, mounting, and leakage check. AD 17-16-11 DNA as per MSB632B table 1. Sparkplugs removed, cleaned, inspected, and reinstalled. All engine compartment controls, lubricated and checked for proper operation. Ground run up performed for leak check and proper operation.
I certify this engine has been inspected in accordance with and annual inspection and was determined to be in airworthy condition.

NG WORK

Ronald O Murphy AP 2129072 IA

*Ronald O Murphy***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 2844.5 Date: 04/23/2018**

Engine oil changed, serviced engine with 7 qts of AeroShell 50/100W oil. Installed new oil filter p/n 48103-2. Aircraft ground run up and leak check performed satisfactorily.

Ronald O Murphy A/P 2129072

*Ronald O Murphy***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 2893.1 Date: 12/22/18**

Drained and serviced with 6qts of AeroShell 15W50 oil. Leak check satisfactory.

James D. Holt A&P 3894805 IA

*James D. Holt***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 2900.2 Engine TT: 5654.7 SMOH: 2951.3 Date: 1-11-2019**

Performed annual inspection IAW Cessna 100 series maintenance manual. Compression check performed the results as follows. 1)74/80 2)72/80 3)76/80 4)73/80. Installed new bracket air induction filter element PN BA-5705. C/W AD 15-19-07 external fuel injector lines, routing, mounting, and leakage check. Sparkplugs removed, cleaned, inspected, and reinstalled. All engine compartment controls, lubricated and checked for proper operation. Removed and reinstalled left heater shroud after welding repair. Ground run up performed for leak check and proper operation.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

James D. Holt A&P 3894805 IA

*James D. Holt***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 2941.5 Date: 5/1/2019**

Changed oil and filter. Serviced with 6qts of AeroShell W100-50W oil and new filter p/n AA48103. Ran engine, leak check satisfactory.

James D Holt A/P 3894805

*James D. Holt***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 2966.7 Date: 8/19/2019**

Replaced ignition harness assembly with overhauled Kelly Aerospace harness p/n 10-821414-6.

James D Holt A/P 3894805

*James D. Holt***Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455****Tail #: N341RG S/N: 177RG1155 Tach: 3005 Engine TT: 5759.5 SMOH: 3056.1 Date: 2-1-2020**

Performed annual inspection IAW Cessna 100 series maintenance manual. Compression check performed the results as follows. 1)74/80 2)75/80 3)76/80 4)74/80. Installed new bracket air induction filter element PN BA-5705. C/W AD 15-19-07 external fuel injector lines, routing, mounting, and leakage check. Replaced intake tube o-ring on #3 cylinder. Replaced all 4 valve cover gaskets with new silicon gaskets. Sparkplugs removed, cleaned, inspected, and reinstalled. All engine compartment controls, lubricated and checked for proper operation. Ground run up performed for leak check and proper operation.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

James D. Holt A&P 3894805 IA

James D. Holt

Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3004.1 **Date:** 1/2/2020

Changed oil and filter. Serviced with 7qts of AeroShell W100-50W oil and new AA48103 oil filter.

Cleaned engine and checked for leaks. All operations satisfactory.

James D Holt A/P 3894805

Murphy Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3012.3 **Date:** 05/25/2020

Repaired alternate air door and replaced spring with new p/n 1650019-4.

James D Holt A/P 3894805 *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3055.0 **Engine TT:** 5809.5 **SMOH:** 3106.1 **Date:** 03/26/2021

Inspected airframe per the Cessna 177RG Service Manual and FAR part 43 appendix D. Performed compression check, results: 1) 70/80 2) 74/80 3) 78/80 4) 76/80. Replaced Brackett air filter element with new BA-5705. Changed oil and filter. Serviced with 7qts AeroShell W100 and new AA48110-2 filter. C/W AD 15-19-07, external fuel injector lines by inspecting per Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G (and supplements 1-3); no defects noted, **next due 3165.0 tach time.**

Lubricated engine controls, ran aircraft and checked all operations; no defects or leaks noted.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

James D Holt A/P 3894805 IA *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3079.7 **Date:** 09/05/2021

Cleaned engine. Replaced 8 new valve rocker shaft cover gaskets p/n 66732. Ran aircraft, all operations found to be satisfactory; no leaks noted.

James D Holt A/P 3894805 *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3087.6 **Date:** 09/29/2021

Changed oil and filter. Serviced with 8qts Phillips 100AW Victory oil and new filter. Ran aircraft on ground, all operations found to be satisfactory; no leaks noted.

James D Holt A/P 3894805 *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3108 **Date:** 10/28/2021

Replaced all 8 spark plugs with new Tempest URHM38S fine wire spark plugs.

James D Holt A/P 3894805 *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3116.2 **Date:** 12/8/2021

Installed Superior vacuum pump cover plate p/n 210518-000005770 on accessory case after vacuum pump removal.

James D Holt A/P 3894805 *James D. Holt*

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG **S/N:** 177RG1155 **Tach:** 3131.8 **Date:** 1/11/2022

Changed oil and filter. Replaced oil filter adapter gasket p/n 06B23072. Replaced #1- and #2-cylinder intake gaskets using p/n 71973. Serviced with 8qts Phillips 20W50 XC oil and new Tempest filter p/n AA48103-2. Cut filter, found no metal. Sent oil analysis to Blackstone Laboratories. Tightened oil return lines and clamps. Removed magneto, replaced Bendix magneto points p/n ES10-382585 and capacitors p/n KA10-400574, and reinstalled using new gasket p/n LW-12681 (work performed per Continental manual X42003-3 dated August, 2011). Ran aircraft on ground, all operations satisfactory.

James D Holt A/P 3894805 *James D. Holt*

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
				TOTALS brought forward from previous page

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG S/N: 177RG1155 Tach: 3159.5 Engine TT: 5914.4 SMOH: 3210.6 Date: 03/14/2022

Inspected engine per the Lycoming IO-360 Series Operators Manual p/n 60297-12 8th edition (dated 10/2005) and FAR 43.9/43.11. Performed compression check, results: 1) 76/80 2) 78/80 3) 78/80 4) 77/80. Oil and filter change not due per TIS (next due 3181.8). C/W GAMIjector kit GL10 document 1P-98-001 Rev. B by inspecting and cleaning as required by STC SE09445SC, no defects noted. C/W AD 15-19-07, external fuel injector lines by inspecting per Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G (and supplements 1-3); no defects noted. Ran engine on ground, no leaks or operational defects noted.

I certify this engine has been serviced and inspected IAW an annual inspection, was found to be in an airworthy condition and is approved for return to service.

James D Holt A/P 3894805 IA *James D. Holt*

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 27271

DATE 08/31/2022MAKE LYCOMINGMODEL IO-360-A1B6DS/N L-16702-51AENGINE TOTAL TIME 5921.0TSMOH 0.0TBO 2000


Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Officer M. Nelson
Authorized Signature

08/31/2022

Date

Test Ran Lycoming IO-360-A1B6D Engine Serial Number L-16702-51A for 2 hours 15 minutes, RPM 2700, oil pressure 81 lbs, oil temperature 200 degrees, CHT 391. Magneto check at 2100 RPM, L 120 RPM, R 120 RPM. Compression test cylinder #1 79/80 #2 79/80 #3 78/80 #4 79/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M. WO# 27271

Signed: *Officer M. Nelson* Date: 08/31/2022

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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
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Page No.

Date: 10/27/2022, Aircraft: N341RG, Type: 177RG, S/N: 177RG1155 Tach: 3166.1, Hobbs: 4016.9, Eng TT: 5921.0
 Engine: Lycoming IO-360-A1B6D, s/n: L-16702-51A
 Removed engine, Lycoming IO-360-A1B6D, s/n: L-16702-51A, then reinstalled after overhaul performed by Triad Aviation, Inc., ref WO# 27271, dated: 31-Aug-2022. Engine installed using new Lord engine mounts, bolts, and associated hardware. Bolts torqued to 40 ft lbs per Cessna 177RG Service Manual. Installed new BA5705 Brackett induction air filter. Replaced alternator belt with new. Repaired engine baffles as necessary. Etched and alodined all baffles then primed with zinc phosphate primer and painted gloss black. Cut and installed new baffle seals using BA-8071 sheet.
 Removed original exhaust system and installed Power Flow, Inc (PFS) "improved performance" exhaust system in accordance with Power Flow Systems, Inc. STC No. SA03623AT, per PFS-13706 Tuned Exhaust System Installation Instructions and Instructions for Continued Airworthiness, Report No. PFS-13752-00, Revision F, dated 19-Apr-2019. Form 337 submitted. Revised aircraft weight and balance.
 Installed new hoses on engine. Installed new P5000 engine oil quick drain. Installed new CH48103-1 oil filter. Serviced engine with 8 qts of AeroShell 100 mineral oil.
 Performed compression test: #1 79 /80, #2 79 /80, #3 78 /80, #4 79 /80. Ground operation and leak checks were performed and no leaks noted. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Shop Order No. 27247, Dated: 27-Oct-2022.

SIGNED:

Inspector for FAA CRS PP4R448M

Triad Aviation, Inc. 3439 South Aviation Drive, Burlington, NC 27215

336-227-1467

Date: 2/02/2023, Aircraft: N341RG, Type: 177RG, S/N: 177RG1155 Tach: 3201.8, Hobbs: 4053.1
 Lycoming IO-360-A1B6D, s/n: L-16702-51A
 Drained engine oil. Removed old oil filter. Installed, torqued, and safetied new Champion CH48103-1 oil filter. Serviced engine with 8 qts of AeroShell 80 mineral oil. Ground operation and leak checks were performed and no leaks noted. The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under Shop Order No: 27899, Dated: 02-Feb-2023.

SIGNED:

Inspector for FAA CRS PP4R448M

Triad Aviation, Inc. 3439 South Aviation Drive, Burlington, NC 27215

336-227-1467

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG S/N: 177RG1155 Tach: 3220.2 Engine TT: 5975.1 SMOH: 54.1 Date: 04/18/2023

Inspected engine per the Lycoming IO-360 Series Operators Manual p/n 60297-12 8th edition (dated 10/2005) and FAR 43.9/43.11. Performed compression check, results: 1) 77/80 2) 76/80 3) 75/80 4) 76/80. Oil and filter change not due per TIS (next due tach 3251.8). Torqued fuel injectors due to noted leaks. C/W GAMIjector kit GL10 document 1P-98-001 Rev. B by inspecting and cleaning as required by STC SE09445SC, no defects noted. C/W AD 15-19-07, external fuel injector lines by inspecting per Lycoming Engines Mandatory Service Bulletin (MSB) No. 342G (and supplements 1-3); no defects noted. Ran engine on ground, no leaks or operational defects noted.

I certify this engine has been serviced and inspected IAW an annual inspection, was found to be in an airworthy condition and is approved for return to service.

James D Holt A/P 3894805 IA *James D. Holt*

Holt Aviation LLC 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG S/N: 177RG1155 Tach: 3237.8 Date: 6/30/2023

Changed oil and filter. Serviced with 7 qts AeroShell W100 Plus oil and new Tempest AA48103-2 oil filter. Cleaned engine. Applied RTV to rear oil cooler line to protect against chafing. Ran engine on ground, no leaks or operational deficiencies noted.

James D Holt A/P 3894805 *James D. Holt*

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