

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

**ENGINE  
MAINTENANCE  
RECORDS**



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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TOTALS brought forward from previous page

10/9/91	1787.06	1787.06	1787.06	O.I changed serviced with 6 qts Aeroshell w/100 50 wt Clyde Jones ASP 489647826
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5/30/92	1853.0	1853.0	1853.0	Engine cylinders sent for overhaul by GSN engines cylinders reinstalled Aircraft test flown ok. Engine was inspected in accordance with Lycomings 100 hr inspection is ok for return to service Clyde Jones ASP 489647826
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I CERTIFY THAT THIS Engine  
HAS BEEN INSPECTED IN ACCORDANCE  
WITH 100 Hr. INSPECTION  
AND WAS DETERMINED TO BE IN AIRWORTH  
CONDITION.

DATE 5/30/92 TACH. 1853.0

T.T. 1853.0



Robert G Hall IAS31263665

8/12/92	1871.88	1871.88	1871.88	Removed Alternator installed overhauled Electrosystems 0270 Ser # 2040284 Prestolite Part # ALY6420 5 Clyde Jones ASP 489647826
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8/14/92	1871.88	1871.88	1871.88	Oil changed serviced with 6 qts Aeroshell w/100 50 wt Clyde Jones ASP 489647826
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**ENGINE RECORD - GENERAL INFORMATION**

D MANUFACTURER LYCOMING MODEL O-235-C1  
 SERIAL L-11243-15 TYPE CERTIFICATE E223  
 THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT \_\_\_\_\_  
 MINIMUM OCTANE FUEL 80/87 OIL GRADE SUMMER 50 WT. WINTER 30 WT.  
 MAGNETO TIME 25° BTC POINT SETTING \_\_\_\_\_ FIRING ORDER 1-3-2-4  
 SPARK PLUG GAP \_\_\_\_\_  
 MFG. RECOMMENDED OVERHAUL AT 2400 HOURS.  
see LYCOMING SL # 213A, PART II.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>93</u>				
<u>12/14/93</u>				PARTS LIST - LYCOMING O-235-C1 s/n L-11243-15 1-AS75706 cam; 4-SL17235 valve; 4-SL17236 valve; 4-61196 tube; 8-71105 lifter; 8-67447 brg; 8-AL12186 nut; 8-SL61662 brg; 8-AL78027 bolt; 4-73851 piston; 4-SL13445 pin; 8-SL11625 plug; 1-61174 shaft; 1-SL18109A-S kit; 1-45530 ring; 1-SL75708 shaft; 8-LW14233 ring; 4-LW18352 ring; 4-60072 ring; 4-AL13790 shaft; 8-AL12892 button; 1-13S19646 gear(OHC); 4-61681 o/s guide; 4-SL11626 o/s guide; 4-STD2180 hose; 4-STD1196 hose; 16 60009 key; 8-REM40E plug; 1-M2364 harness; 1-STD1211 plug; 1-STD2213 screw; 8-SL11795 spg; 8-SL11800 spg; 1-SL61499-1 gasket kit; 8-60398 bushing; 16-66610 bush; 4-SL65819 bush END w/o # 5068 12-15-93 GENERAL AVIAITON SERVICES

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>93</u>				
<u>12/14/93</u>				ENGINE MAKE <u>LYCOMING</u> MODEL <u>O-235-C1</u> SERIAL NO. <u>L-11243-15</u> TACH = <u>1963.3</u> Hrs. AIRFRAME IT = <u>1963.3</u> Hrs. ENGINE TT = <u>1963.3</u> Hrs. ENGINE MAJOR OVERHAULED TO FACTORY NEW SPECIFICATIONS I/A/W OVERHAUL MANUAL AND TABLE OF LIMITS. ALL CYLINDERS ARE _____ PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS AGENCY UNDER W.O # _____ ACCESSORIES OVERHAULED = <u>MAGS, STARTER, CARBURETOR ALTERNATOR, new harness &amp; plugs.</u> AD'S C/W = <u>80-25-2R2 = N/A X CODE #</u> SD'S C/W = <u>81-15-4R2 = C/W BY NEW CAN GEAR INSTD.</u> <u>91-14-2 = C/W X INSP. PAR A+B &amp; MOD.</u> <u>78-9-7R3 = C/W 5859AC X 1/2 INSP. Signed <i>L. Field</i></u> <u>NEW TIC, Bendix 54LN-21, S/N 882283 FOR</u> <u>DUE every 500 HRS.</u> <u>82-20-1 = C/W SA623A X INSP. COASTAL AVIATION INDUSTRIES, INC.</u> <u>MAG S/N: 882283 Danbury, CT</u> <u>93-12-3 = C/W X I PC VENTURI INSTD. C.R.S. #TY5R240N</u> <u>93-12-4 = C/W X INSP. N/A.</u>



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
8/11/94	1979	16.0	1979	OIL CHANGE SCREENS CKED OK LEAK CK OK NORTH ATLANTIC AIR, INC. FAA APPROVED REPAIR STATION FOLR9930 SIGNATURE <u>[Signature]</u>
11/23/94	1999.75			Date <u>11/23/94</u> Engine Time <u>1999.75</u> Installed the TAS-100 preheater system S/N <u>23063</u> in accordance with Tanis Aircraft Services instructions and drawings No. <u>100A</u> Name <u>Ronald Pelletier</u> Mechanic # <u>NORTH ATLANTIC AIR, INC. FAA APPROVED REPAIR STATION FOLR9930</u> SIGNATURE <u>[Signature]</u>
11/31/95	2000.31	<del>2000.31</del> 21.31	2000.31	Changed oil and filter serviced w/Aeroshell 15W50. Clean and gap plugs. clean fuel screens. Replace air filter. Reinstall mufflers after repair. see w.o. for details.
				THIS AIRCRAFT/POWERPLANT WAS INSPECTED IN ACCORDANCE WITH <u>Ann Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNATURE <u>[Signature]</u> DATE <u>11/31/95</u> WORK ORDER # <u>9949</u> NORTH ATLANTIC AIR, INC. BEVERLY, AIRPORT, DANVERS, MASS. FAA REPAIR STATION NO. FOLR9930
				8/1/95 OIL CHANGE 1995.3 HRS
TACH	1963.3 AT			Engine overhauled
8/1/95	32 HRS			26.7 5.3 32.0
	S.M.O.H.			
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page

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				
1/14/95	2005.78	42.4	2005.78	REMOVED ENGINE FOR AIRFRAME RECOVERING M. D. Pyle ID 409942746
2/24/96	2005.78	42.4	2005.78	INSTALLED ENGINE. CHECKED MAGNETO TO ENGINE TIMING. CLEAN, GAPPED SPARK PLUGS. INSPECT + CLEAN FUEL + OIL SCREENS. DRAINED OIL + SERVICED WITH 6 QTS. AEROSHELL COMPRESSION <del>TESTED</del> W-80. ALL AD'S COMPLETED WITH #1 74/80 AD 80-21-06 + AD 75-1716 also BY #2 74/80 VISUAL INSPECTION. I CERTIFY THIS ENGINE HAS #3 70/80 BEEN INSPECTED IN ACCORDANCE WITH AN #4 74/80 ANNUAL INSPECTION AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION AT THIS TIME. M. D. Pyle ID 409942746
4/27/96			2035	CHANGED OIL + CLEANED SCREEN SERVICED WITH 6 QTS AEROSHELL W100 OK FOR RETURN TO SERVICE <del>found OK with ATPIS 3686248</del>
			2062	CHANGED OIL, SERVICED w/ 6 QTS. AEROSHELL W80 OK FOR RETURN TO SERVICE ATPIS 090567095
8/10/96			2084	CHANGED OIL, CLEANED SCREEN SERVICED WITH 6 QTS AEROSHELL W80 OK FOR RETURN TO SERVICE ATPIS 090567095
<p>Total Engine Time <u>2102</u> Tach <u>2102</u>                  Date <u>10/1/96</u> Total Aircraft Time <u>2102</u> C/NOH <u>138.62</u></p> <p>I certify this <u>Eng</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. Signature <u>M. D. Pyle</u>                  ID No. <u>9466634</u></p> <p>1. Lubricate all engine controls                  2. clean + gap spark plugs                  3. check valve clearance                  4. adjust mag timing</p>				
Comp Test	1. 60	2. 79	3. 68	4. 74
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

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				TOTALS brought forward from previous page												
DECEMBER 17, 1996			2138	REMOVED ALL CYLINDERS, CYLINDERS OVERHAULED BY COLUMBIA AIRCRAFT SERVICES UNDER THEIR W.D.# 016503 DATED 13 DEC 96. REINSTALLED CYLINDERS I.A.W. LYCOMING MANUAL 60294-7 & SSP1776. ENGINE SERVICED WITH AEROSHELL 40 MINERAL OIL.												
				PERTINENT DETAILS OF THIS REPAIR ARE TO BE FILED AT THIS SERVICE FACILITY UNDER WORK ORDER P418												
				<i>[Signature]</i> AUTHORIZED SIGNATURE WITMER'S AIRCRAFT SERVICE READING REGIONAL AIRPORT READING, PA 19605 610-373-5222												
JANUARY 24, 1997	2151.5		2151.5	CHANGED OIL CLEANED OIL SCREEN ENGINE SERVICED WITH 40 MINERAL OIL CHECKED VALVE CLEARANCE. <i>[Signature]</i> CYLINDER COMPRESSION TEST												
				<table border="1"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> </tr> <tr> <td>74/80</td> <td>76/80</td> <td>74/80</td> <td>76/80</td> <td>14/A</td> <td>14/A</td> </tr> </table>	1	2	3	4	5	6	74/80	76/80	74/80	76/80	14/A	14/A
1	2	3	4	5	6											
74/80	76/80	74/80	76/80	14/A	14/A											
				SUB-TOTALS this page												
				TOTALS—Carry forward to next page												



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				<b>TOTALS</b> brought forward from previous page
MAY 9 1997	2225.4	262.1	2225.4	<p>ENGINE INSPECTED AND SERVICED I.A.W. BELLANCA INSPECTION REPORT FORM AND IS APPROVED FOR RETURN TO SERVICE. CHANGED OIL, CLEANED OIL SCREEN ENGINE SERVICED WITH AEROSHELL 50 MINERAL OIL. INSTALLED BOOTS ON BOTH "P" LEADS. REPLACED CARB HEAT SHAFT AND BEARING BLOCKS. REPAIRED LEFT REAR BAFFLE. REPAIRED COWL/BAFFLE SEALS. ADJUSTED MIXTURE CONTROL FOR FULL TRAVEL. REROUTED AND SECURED ELECTRICAL LEADS. REPAIRED MAG SN# 882283 (COLUMBIA W.D. 016749-1) REMOVED AND REINSTALLED CYLINDERS # 1 &amp; 3 - CYLINDERS OVERHAULED BY COLUMBIA AIRCRAFT (W.D. 016749-1) DETAILS ON FILE W.D. 0569</p>

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

Date MAY 9, 1997 Tach/Hobbs Time 2225.4

Total Time 2225.4

Authorized Signature [Signature] AIP 2181322 PA

WITMER'S AIRCRAFT SERVICE  
 READING REGIONAL AIRPORT  
 READING, PA 19605  
 610-373-5232

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
MAY 22 / 1997			1313.7	CHANGED OIL CLEANED OIL SCREEN ENGINE SERVICED WITH AEROSHELL 40 MINERAL OIL. VALVE CLEARANCES CHECKED ALL 4 CYLINDERS COMPRESSION CHECK AS FOLLOWS ① 14/80 ② 14/80 ③ 14/80 ④ 14/80. PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS SERVICE FACILITY UNDER WORK ORDER 0584 <i>Thomas W. Demmer</i> ADP2181330 AUTHORIZED SIGNATURE WITMER'S AIRCRAFT SERVICE READING REGIONAL AIRPORT READING, PA 19606 610-373-5232
Oct 24 / 97			2286.2	Changed Oil and <del>filter</del> cleaned and Inspected Oil screens, Serviced with 5 Qts of Aeroshell 15W50. Performed compression test? Results as follows: #① 12/80 #② 19/80 #③ 14/80 #④ 14/80. RAN-up, ops checked, leak checked Good. <i>Thomas W. Demmer</i> ADP4570322
1/28/98			2310.9	Changed oil serviced with 5 qt Aeroshell 15W50 run up & leak check ok.
APR 13 / 1998			2327	REMOVED E.L.T. FOR REPAIRS <i>Thomas W. Demmer</i> ADP2181330
			2333	REMOVED CYL'S #1 & 3, REFACED EX VALVES, REPLACED INTAKE VALVES, CUT VALVE SEATS, LAPPED VALVES TO SEATS. REINSTALLED CYL'S WITH NEW SEALS AND GASKETS. <i>Scott A. Smith</i>
				SUB-TOTALS this page JMZR930K
				TOTALS—Carry forward to next page R.O.# 17575-1

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				TOTALS brought forward from previous page
5-4-98	2334	371	2334	ENGINE INSPECTED IN ACCORDANCE WITH FAR 43 APPENDIX D AND SERVICED USING SINGLE ENGINE INSPECTION REPORT AS A GUIDE. ENGINE IS APPROVED FOR RETURN TO SERVICE. CLEANED OIL SCREEN. REAR CENTRAL SUPPORT FOR BAMPLES REPAIRED. ADJUSTED + TIGHTENED LEFT MUFFLER HEAT MUFF. REPLACED CABEN HEAT DUCT FROM MUFF TO FIRE WALL. REATTACHED BAMPLE TIE ROD UNDER #4 CYL. STOP DRILLED CRACK AT BAMPLE AT #2 CYL. STOP DRILLED CRACK AT BOTTOM REAR OF ENG. COWL. REPAIRED BAMPLE SEALS. CW AD 75-17-16 ALTERNATE AIR VALVE INSP. NO CRACKS OR DEFECTS FOUND. + OPERATES CORRECTLY. CW AD 80-21-06 EXHAUST SYSTEM INSP. REMOVED CHAMBS + INSPECTED MUFFLERS NO DEFECTS FOUND. DETAILS OF THIS INSPECTION ON FILE AT THIS REPAIR FACILITY UNDER W/P 0931
				CONT. NEXT Pg
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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				TOTALS brought forward from previous page
5-4-98	2334	371	2334	
				I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>Annual</u> inspection and has been determined to be in an airworthy condition
				Date <u>5-4-98</u> Tach/Hours Time <u>2334</u>
				Total Time: <u>2334</u>
				Authorized Signature <u>[Signature]</u> (A14242531)
				WITMEH'S AIRCRAFT SERVICE READING REGIONAL AIRPORT READING, PA 19605 810-373-5232
8/22/98			2358	Changed oil and serviced with 50wt, AeroShell 15W50
1/18/99			2383	Changed oil and serviced with 50wt, AeroShell 15W50
3/27/99			2415	Changed oil serviced with 50wt AeroShell 15W50
4/23/99			2445	changed oil serviced with 50wt, AeroShell 15W50
5-14-99	2453	490	2453	ENGINE INSPECTED IN ACCORDANCE WITH FAR 43 APPENDIX D AND SERVICED ENGINE IS APPROVED FOR RETURN TO SERVICE. DRAINED OIL AND SERVICED WITH 50WT AERO SHELL STRAIT MINERAL OIL. REPLACED BREATHER HOSE. REMOVED #1 + 4 CYLINDERS + REINSTALLED AFTER REPAIR BY COLUMBIA AIR SERVICE W/O SEE TAGS. INSTALLATION IN ACCORDANCE WITH LYCOMING O/H MANUAL P/N 60294-7
				SUB-TOTALS this page <span style="float: right;">CONT.</span>
				TOTALS—Carry forward to next page

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5-14-99	2457	490	2453	AND VALVE CLEARANCES SET IN ACCORDANCE WITH LYCOMING SERVICE INSTRUCTION 138FC * THE FOLLOWING WERE FINAL COLD CLEARANCES AFTER ADJUSTMENT # 1 CYL .008 .008 # 2 .009 .007 # 3 .009 .009 # 4 .008 .008. REPLACED RIGHT EXHAUST HANGER STRAP. + REVISED BAFFLE SEAL AT SEVERAL SPOTS. REPLACED 1 SPARK PLUG. WITH CHAMPION REMTOR. REPAIRED BROKEN BAFFLE SUPPORT AT #3 CYL. DETAILS OF THIS INSPECTION ON FILE AT THIS REPAIR FACILITY UNDER W/O 1368 CW AD 96-12-07 MAG INPUS SOR AVAILABLE FOR DETAILS I certify that this <u>ENGINE</u> has been inspected in accordance with an <u>Annual</u> inspection and has been determined to be in an airworthy condition Date <u>5-14-99</u> Tach/Mobbs Time <u>2453</u> Total Time: <u>2453</u> <u>490</u> SMOH Authorized Signature <u>Scott Spletzer IA 193421531</u> WITMER'S AIRCRAFT SERVICE READING REGIONAL AIRPORT READING, PA 19605 610-373-6232
4-21-00	SAE 50-100			
543TT	2570	J.T.		
S81	2610	-J.T.		

27 JAN 00 Tach 2510.8 Hrs TT, 547.5 Hrs SMOH. Inspected W/R/T Lycoming 100 Hr Inspection Checklist. Compression #1 74/80, #2 76/80, #3 76/80, #4 74/80. Installed New 61173. Serviced With 6 Qts Phillips 20W-50AD. Adjusted Valves I/A/W SI 1068A. Installed New Alternator Belt 19776-37A. Test Run. No Defects Noted. I Certify That This Engine Has Been Inspected In Accordance With An ANNUAL Inspection And Was Determined To Be In An Airworthy Condition At This Time.



Scott Spletzer A+P 48666152IA

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
7-27-2000	2585.4	Problems	<del>2005.0</del>	TOTALS brought forward from previous page
7-27-2000	Eng SMOH 2622.1			Change oil + Clean Screen add 6 qts shell 100 w. Take Eng oil Sample. Rvw up ck OK. No Leaks Found. General Eng Condition Satisfactory. Wade Kennel AIP 502542324
	2611.3		648.0	32.0 hrs / change oil + clean screen. serviced
10-06-2000	2611.3	648.0	648.0	32.0 Hobbs / with Aeroshell 15W50. Wade Kennel AIP 502542324
2-1-2001	Tach 2614.	Hobbs 651	SMOH 651	ck Compression #1 $\frac{69}{80}$ #2 $\frac{60}{80}$ #3 $\frac{75}{80}$ #4 $\frac{75}{80}$ ck Mag timing. Valve + ck Eng Controls. Install Recondition Prop See Yellow Tag. Inspect Exhaust System. Replace Eng Load Mounts. Inspect Induction Filter. Clean + Gap Plugs. General Eng Condition Satisfactory. 100 hr Insp Complete I certify this Eng has been Insp I/A/w a 100hr Insp and was Found Airworthy. Wade Kennel AIP 502542324 I.A.
5-12-2001			(2) 66.7	Change oil and cleaned screen. Oil sample taken. 56.4 hobbs Using Aeroshell 100 plus P. 6 qdts. No Leaks Found. M. D.
6-1-01				Installed new battery. GIL G-25 (2) 67.7 Tach 69.1 hobbs
7-13-01	690.0	Tach	86.1 hobbs	Changed oil and cleaned screen. Aeroshell 100 5.5 qts. M. D.
11-16-01	711.4	Tach	112.1 hobbs	Changed oil; Aeroshell 15W50 5.3 qts Test Flown. No leaks. M. D.

Quality Aviation, Inc.  
3401 W. Trunk Hwy 21  
Faribault, MN 55021  
1-866-865-1777

N90997 Engine Log book entry.

Date: 01/18/02 Tach: 715.0 Engine TT: 2678.3 Engine TTSMOH: 715.0

Complied with an Annual inspection per Bellanca service manual. Compression check #1 54/80 #2 72/80 #3 54/80 #4 70/80. Adjusted valve tappets in accordance with Textron Lycoming service manual. Complied with AD 80-21-6 muffler baffle inspection. Drained oil, removed screen and inspected for contamination, inspection of screen was found to be satisfactory. Installed screen with new gasket. Engine was serviced with 5 qts of Aeroshell 15W50, run leak check good. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Gerald L. Serres A&P IA 471960279 *Gerald L. Serres*

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
4-25-02		141.7 hrb	730.0	Tach Changed oil and cleaned screen. Used aeroshell 15w50. Ran engine - no leaks. Mdr <i>[Signature]</i>
8-13-02		167.6 hrb	796.9	Tach Changed oil and cleaned screen. Aeroshell 15w50 - Ran engine - no leaks. Mdr <i>[Signature]</i>
02/02/03		770.5	770.5	I HAVE Insp. This engine I.A.W FAR 43 App d. 100 hr inspection, complied with A.d 75-17-16. Found no cracks. Performed compression check. 1) $\frac{70}{80}$ 2) $\frac{74}{80}$ 3) $\frac{64}{80}$ 4) $\frac{72}{80}$ . I Find This engine in servicable condition on this date. 2/02/03 <i>[Signature]</i> P.P 473800038
4/10/03		195.9 hrb	779.4	Changed oil (15w50 Aeroshell) and cleaned screen. Ran engine - no leaks. Mdr <i>[Signature]</i>
02/04/04		798.4	798.4	I HAVE insp This eng I.A.W FAR 43 App d 100 hr insp. checked all current A.d checked compression A $\frac{65}{80}$ or better I Find This engine in servicable condition on This date 02/04/04 <i>[Signature]</i> P.P 473800038
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



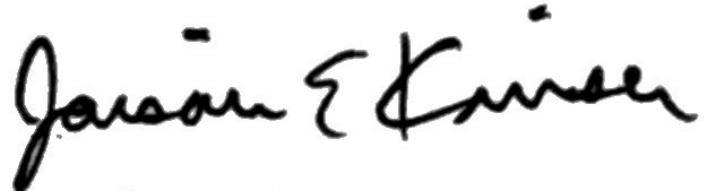


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				TOTALS brought forward from previous page
Dec 28, 2006			Tach time 977.9	Total time 2940.9 TSMOH 977.9
			Compression test #1 $\frac{60}{40}$ #2 $\frac{68}{40}$ #3 $\frac{76}{40}$ #4 $\frac{70}{40}$	
			Changed oil Service with Phillips XC 20W50 Clean & inspect oil filter & found satisfactory Clean fuel screens Ch magneto timing	
			Clean & gap spark Plugs Replace air filter PIN BAII I certify that	
			This engine has been inspected IAW a 100 hr inspection & was	
			determined to be in airworthy condition	
				Erin Hill 16442654P

N90997 Engine Log Entry Lycoming O-320-A2D S/N L-49180-27A  
4-4-2008 Tach. Time: 3052.5 Engine TT: 3052.5 TSMOH: 1089.2

Drained oil. Removed oil screen and inspected; no abnormal metal found. Reinstalled oil screen. Serviced with six quarts of Aeroshell 15W50. Compression test: #1 58/80 #2 67/80 #3 63/80 #4 58/80. Replaced eight spark plugs P/N REM40E. Replaced cylinder drain-back tubes. Adjusted magneto timing to engine. Performed ground run and leak checked engine. No defects found at this time. All applicable Airworthiness Directives checked and complied with thru current biweekly. I certify that this engine has been inspected IAW a 100 hour/annual inspection as per FAR 43 Appendix D and was determined to be in airworthy condition.

Jaison Kinser A&P 2733172 IA



25, 2004 Tach time 977.9 Total time 2940.9 TSMOH  
 Compression test #1  $\frac{60}{80}$  #2  $\frac{65}{80}$  #3  $\frac{70}{80}$  #4  $\frac{70}{80}$   
 Changed oil Service with Phillips XC 20W 50 Clean + inspect oil  
 filter + found sol. + foot on Clean fuel screens Ch magnets timing  
 Clean + gap spark plugs Replace air filter PIN 3AH I certify that  
 this engine has been inspected IAW a 100 hr inspection + was  
 determined to be in airworthy condition  
 Egan *[Signature]* 10442654P

0997 Engine Log Entry Lycoming O-320-A2D S/N L-49180-27A  
 2008 Tach. Time: 3052.5 Engine TT: 3052.5 TSMOH: 1089.2

oil. Removed oil screen and inspected; no abnormal metal  
 Reinstalled oil screen. Serviced with six quarts of Aeroshell  
 Compression test: #1 58/80 #2 67/80 #3 63/80 #4 58/80. Replaced  
 spark plugs P/N REM40E. Replaced cylinder drain-back tubes.  
 Adjusted magnet timing to engine. Performed ground run and leak  
 check on engine. No defects found at this time. All applicable  
 FAA Advisory Directives checked and complied with thru current  
 I certify that this engine has been inspected IAW a 100  
 hour inspection as per FAR 43 Appendix D and was determined  
 to be in airworthy condition.

A&P 2733172 IA *Jason E Kruse*

3057.8 OIL CHANGE; DRAINED OIL, REMOVED OIL  
 SCREEN & INSPECTED; NO ABNORMAL METAL  
 FOUND. REINSTALLED OIL SCREEN, SERVICED  
 WITH 5 QUARTS OF PHILLIPS X/C 20W 50.  
*Jim Pind ATP*

SUB-TOTALS this page

TOTALS—Carry forward to next page



Sparrowhawk Aviation, LLC.

Moraine Airpark (I73)

3664 Clearview Road

Moraine, Ohio 45439


## Engine Log

N90997


<b>Make</b>	Lycoming	<b>Tach/Hobbs</b>	3074.6/616.7
<b>Model</b>	O-235-C1	<b>TSMOH/TT</b>	1111.3/3074.6
<b>SN#</b>	L-11243-15	<b>Date</b>	5/21/2009

### Description

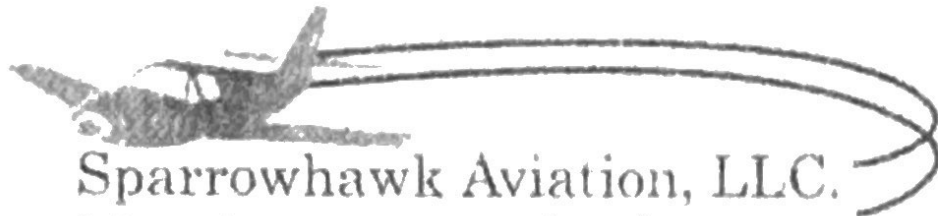
- (1) Performed 100 hour inspection IAW 7ECA service manual.
- (2) Changed oil and inspected oil screen and suction screen.
- (3) Serviced w/ 5 qts. Aeroshell 100 Plus oil.
- (4) Checked all engine control cables and stops.
- (5) Replaced boot between carb heat box and air filter.
- (6) Performed borescope inspection on cylinders.
- (7) Operational & leak checks satisfactory.
- (8) Complied with AD 80-21-06 by inspection of the mufflers.
- (9) All ADs checked through 2009-10.

<b>Compression</b>	#1- 72	#2- 73	#3 - 75	#4- 70		
<b>Brad Templin</b>						
A&P 2846093						

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

<b>Jasson P. Czaika</b>	
A&P 2747316 IA	





Sparrowhawk Aviation, LLC.

Moraine Airpark (I73)

3664 Clearview Road

Moraine, Ohio 45439

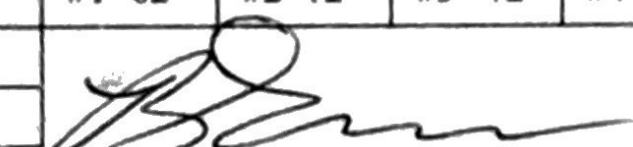
### Engine Log

### N90997

<b>Make</b>	Lycoming	<b>Tach/Hobbs</b>	3098.6/654.5
<b>Model</b>	O-235-C1	<b>TSMOH/TT</b>	1135.3/3098.6
<b>SN#</b>	L-11243-15	<b>Date</b>	5/04/2010

#### Description

- (7) Performed 100 hour inspection IAW 7ECA service manual.
- (8) Checked all engine control cables and stops.
- (9) Performed borescope inspection on cylinders.
- (10) Operational & leak checks satisfactory.
- (11) Complied with AD 80-21-06 by inspection of the mufflers.
- (12) All ADs checked through 2010-09.

<b>Compression</b>	#1- 62	#2- 72	#3 - 72	#4- 71		
<b>Brad Templin</b>						
A&P 2846093						

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

**Jasson P. Czaika**

A&P 2747316 IA



Sparrowhawk Aviation, LLC

Moraine Airpark (T73)

2864 Clearview Road

Moraine, Ohio 45139

## Engine Log

## N90997

<b>Make</b>	Lycoming	<b>Tach</b>	3150.6
<b>Model</b>	O-235-C1		
<b>S/N</b>	L-11243-15	<b>Date</b>	5/1/2011
Removed left muffler and sent to Dawley Aviation for overhaul. Reinstalled overhauled muffler.			
Brad Templin			
A&P 2846093 IA			





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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TOTALS brought forward from previous page

Sparrowhawk Aviation, LLC  
 Moraine Airport (170)  
 3611 Co. Road  
 Moraine, OH 45439

Engine Log

N90997

Make	Lycoming	Tach/Hobbs	3192 0/749 3
Model	O-235-C1	TSMOH/TT	1228 7/3192 0
SN#	L-11243-15	Date	3/9/2012

Description

- (9) Performed 100 hour inspection IAW 7ECA service manual
- (10) Checked all engine control cables and stops
- (11) Drained oil and inspected screen. Serviced engine with 5 quarts of Phillips 20w50
- (12) Removed cylinders 1 and 3 for low compression. Ground valves and valve seats. Replaced rings in cylinder 1
- (13) Replaced magnetos with used serviceable Slick 4370 magnetos and ignition harness
- (14) Operational & leak checks satisfactory
- (15) Complied with AD 80-21-06 by inspection of the mufflers
- (16) All ADs checked through 2012-1

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

Compression	#1- n/a	#2- 72	#3- n/a	#4- 75
Brad Templin				
A&P 2846093 IA				




4-27-2012	3196.7	1233.7	3196.7	DRAINED OIL, REMOVED OIL SCREEN - INSPECTED AND CLEANED SCREEN - NO ABNORMAL PARTICLES REINSTALLED SCREEN, SERVICED WITH 5QTS PHILLIPS 20W50 Jim Ford 3210275
8-18-2012	3217.8	1254.8	3217.8	DRAINED OIL, REMOVED OIL SCREEN, INSPECTED AND CLEANED OIL SCREEN - NO ABNORMAL PARTICLES, REINSTALLED OIL SCREEN, SERVICED WITH 5QTS PHILLIP XR 20W50 Jim Ford 3210275

SUB-TOTALS this page

TOTALS—Carry forward to next page



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				

  
**Sparrowhawk Aviation, LLC**  
 Moraine Airpark (I73)  
 3664 Clearview Road  
 Moraine, Ohio 45439

**Engine Log**


**N90997**

Make	Lycoming	Tach/Hobbs	3283.1
Model	O-235-C1	TSMOH/TT	1319.8/3283.1
SN#	L-11243-15	Date	7/21/2014

Description

- (1) Performed 100 hour inspection IAW 7ECA service manual.
- (2) Checked all engine control cables and stops.
- (3) Drained oil and inspected screen. Serviced engine with 5 quarts of Aeroshell 100W
- (4) Cleaned, gapped and rotated all spark plugs.
- (5) Checked magneto timing.
- (6) Replaced engine mounts and all associated hardware.
- (7) Installed new Skytec starter. Updated weight and balance and equipment list.
- (8) Installed new alternator belt.
- (9) Performed bore scope inspection of cylinders and valves.
- (10) Operational & leak checks satisfactory.
- (11) Complied with AD 80-21-06 by inspection of the mufflers.
- (12) All ADs checked through 2014-14.
- (13) REPLACED RUBBER CRANKSHAFT SEAL WITH NEW PART**

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

Compression	#1-70	#2-77	#3-76	#4-76		
Brad Templin						
A&P 2846093 IA						

**FAA - PMA**

This tag certifies that Sky-Tec Model No. 122-12LS was manufactured new on 08-12-2014 by Sky-Tec under the authority of FAA-PMA No. PQ0852SW Supplement No. 1 in accordance with Sky-Tec's FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to be airworthy. For installation eligibility see [www.skytecar.com/eligibility.htm](http://www.skytecar.com/eligibility.htm) Starter installed on N90997 by Brad Templin (Mechanic) A&P 2846093 IA (Aircraft)

Form CC1108-1

12-14-14		3295.2	DRAINED OIL AND INSPECTED SCREEN. SERVICED WITH 5 QUARTS OF AEROSHELL 80W <i>Jim PMA 3210275</i>
6-28-15		3301.1	DRAINED OIL AND INSPECTED SCREEN, SERVICED WITH 5 QUARTS OF AEROSHELL 80W <i>Jim PMA 3210275</i>


SUB-TOTALS this page  
TOTALS—Carry forward to next page

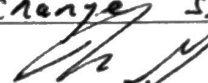
N90997

Make	Lycoming O-235-C1	Hobbs	3301.2 hr.
SN#	L-11243-15	TT	3301.2 hr.
Date	09-01-2015	TSN	1337.9 hr.

Description

- (1) Drained oil and inspected screen, no abnormalities noted.
- (2) Service with 8 Qts. Aeroshell 100W oil.
- (3) Replaced #1 cylinder p/n 16A23034 after overhaul by Harrison engine service w.o. 90599.
- (4) C/W AD 75-17-16 alternate air valve by inspection.
- (5) Researched & c/w all AD's. See compliance records.
- (6) Work performed in accordance with Lycoming service manual current as of this date.
- (7) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-74	#2-71	#3-72	#4-74
Jasson P Czaika				
A&P 2747316 IA				

12-4-15	3316.6	1353.3	3316.6	Removed #4 CYLINDER AND Replaced w/ Chrome Overhauled CYLINDER BY HARRISON ENGINE SERVICE W.O.# 10384. Installed w new Comp Rings TITAN P/N CC202 AND ALL NEW SEALS. ALL WORK PERFORMED IAW LYCOMING SERVICE MANUAL, Mottus J Handwritten AP 3253494.
02-05-16	3340.2	1366.9	3340.2	Oil change Multiveight Phillips First change since new cylinder change.  cert #3042508
12/23/15	3328.0	1354.7	3328.0	OIL CHANGE, <sup>AEROSHELL</sup> 5QTS 80W MINERAL OIL, CHECKED OIL SCREEN - NO CONTAMINANTS, Jim Pmd 3210275 PILOT CERT.
2/15/16	3359.9	1386.6	3359.9	OIL CHANGE, 5QTS PHILLIPS CHECKED & CLEANED OIL SCREEN - NO CONTAMINANTS Jim Pmd CERT # 3210275
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

4760 Airport Road Cincinnati, Ohio 45226  
 (513) 871-9966 fax (513) 871-9261  
 Email Signatureenginesinc.com  
 Repair Station # E5ZR316Y

### CYLINDER RECORD

Make Lyc Model 0-235-C1 Serial No. \_\_\_\_\_  
 Work Order No. E 6581 Technician Terry McRout Date 9/1/15

CYLINDER TYPE steel

CYLINDER NUMBER	1	2	3	4	5	6
CYLINDER S/N						
PISTON PART NO.						
PISTON PIN DIA.						
PIN TO PISTON CLEAR.						
PISTON TO CYL. CLEAR.						
RING GAP CLEAR.						
TOP GROOVE	.090					
SECOND GROOVE	.070					
THIRD GROOVE	.028					
FOURTH GROOVE	.030					
FIFTH GROOVE						
RING SIDE CLEAR.						
TOP GROOVE						
SECOND GROOVE						
THIRD GROOVE						
FOURTH GROOVE						
FIFTH GROOVE						

QTY	PART NUMBER	DESCRIPTION	REMARKS
1	ST 202	RING SET	new
1	LW 73851	PISTON	servicabl.
		PISTON PIN	
		ROCKER SHAFT	

INSPECTOR [Signature] DATE 9/1/15



SEF #5

4760 Airport Road Cincinnati, Ohio 45226  
(513) 871-9966 fax (513) 871-9261  
Email Signatureenginesinc.com  
Repair Station # ESZR316Y

### CYLINDER RECORD

Make Lyc Model 0-235-C1 Serial No. \_\_\_\_\_  
 Work Order No. E 6581 Technician Terry McRout Date 9/1/15

CYLINDER TYPE steel

CYLINDER NUMBER	1	2	3	4	5	6
CYLINDER S/N						
PISTON PART NO.						
PISTON PIN DIA.						
PIN TO PISTON CLEAR.						
PISTON TO CYL. CLEAR.						
RING GAP CLEAR.						
TOP GROOVE	.090					
SECOND GROOVE	.070					
THIRD GROOVE	.028					
FOURTH GROOVE	.030					
FIFTH GROOVE						
RING SIDE CLEAR.						
TOP GROOVE						
SECOND GROOVE						
THIRD GROOVE						
FOURTH GROOVE						
FIFTH GROOVE						

QTY	PART NUMBER	DESCRIPTION	REMARKS
		RING	
1	ST 202	RING set	new
		RING	
		RING	
		RING	
1	LW 77851	PISTON	servicable
		PISTON PIN	
		ROCKER SHAFT	

INSPECTOR [Signature] DATE 9/1/15



# INVOICE

## HARRISON ENGINE SERVICE, Inc.

FAA Approved Repair Station No. LR2R988K

PHONE (219) 362-9707  
1-(800) 348-0257  
FAX (219) 324-5395  
E-Mail: hes@harrisonengine.com

301 DETROIT STREET

LAPORTE, INDIANA 46350

SOLD TO:

SHIP TO:

Eric Zimmerman  
2580 Fenner Road  
Troy, OH 45373

DATE SHIPPED		SHIPPED VIA		INVOICE DATE		INVOICE NO.		PAGE	
11/19/15		UPS		11/19/15		66561		1	
CUSTOMER NO.			TERMS			INVOICE AMOUNT			
Z090			CCVISA			1,451.12			
QTY.	PART NUMBER	DESCRIPTION	UNIT PRICE	DISC.	AMOUNT	TOTAL			
		Work Order: 10384 P.O. Number: NOTE Cyl Type: LYC. O-235 C Cyl.Part No.: 71828 Cyl. Class: 1.							
1	SL11626 P030	Guide	34.34		34.34				
1	AEL60337 P30	Seat	42.16		42.16				
1	SL19034	Valve	249.58		249.58				
1	14B23919	+ Piston	600.40		600.40				
1	CC202	Ring Set	160.97		160.97				
TOTAL PARTS					1,087.45				
Clean and Inspect Cyl.					25.00				
NU-CHROME ®					135.00				
Radius Spark Plug Holes S.I. #1135					12.00				
Install Exhaust Seat					15.00				
Install Exhaust Guide					12.50				
Reface Intake Seat					10.00				
Disassemble Valves					10.00				
Assemble Valves					10.00				
Paint Cylinder					17.00				
Reface Intake Valve					6.00				
TOTAL LABOR					252.50				
* WORK ORDER TOTAL *						1,339.95			

Continued

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
	3359.9	1326.6	3359.9	TOTALS brought forward from previous page
7/18/16	3390.9	1417.6	3390.9	OIL CHANGE, 5QTS PHILLIPS 20W-50, CHECKED AND CLEANED OIL SCREEN - NO CONTAMINATES <i>Tim Pmd CERT# 3210275</i>

N90997

Make	Lycoming	0-235-C1	Tach	3400.0 hr
SN#	L-11243-15		TT	3400.2 hr
Date	10-01-2016		TSmoh	1436.9 hr

Description


- (1) Changed oil removed oil suction screen and inspect, no abnormalities noted.
- (2) Serviced w/ 8qts aeroshell 100 Reinstalled suction screen with MS35769-21 gasket.
- (3) Researched & C/W all AD's. See compliance records.
- (4) Work performed in accordance with Lycoming service manual current as of this date.
- (5) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-77	#2-79	#3-76	#4-73	#5-	#6-
<i>Timothy D KERNS</i>						
A&P 3390695 IA Z						

*Tim*

9-27-16	3400.1	1426.8	3400.1	OIL CHANGE, 5QTS PHILLIPS 20W-50, CHKD & CLEANED OIL SCREEN - NO CONTAMINATES <i>Tim Pmd CERT# 3210275</i>
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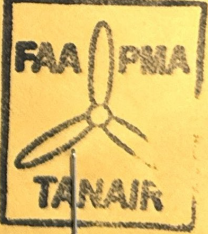
6-8-17	3430.0	1456.8	3430.0	OIL CHANGE, 5QTS PHILLIPS 20W-50, CHECKED & CLEANED OIL SCREEN & SUCTION SCREEN - NO CONTAMINATES. <i>Tim Pmd CERT# 3210275</i> INSTALLED NEW TANIS TT02628 HEATER ELEMENTS IN CYLINDERS # 2, 3, 4 PER TANIS PROCEDURES <i>Tim Pmd CERT# 3210275</i>
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18781 County Rd 22  
Glenwood, MN 56334  
WWW.TANISAIRCRAFT.COM  
952-224-4425

Item: THREADED HEAT ELEMENT

P/N: TT02628-115/50



*Beach*

Eligible: The article shipped under this approval is a subcomponent on applicable FAA-PMA approved Tanis systems.

SUB-TOTALS this page:

TOTALS—Carry forward to next page

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
3/1/2018	3452.4	1479.0	3452.4	TOTALS brought forward from previous page
				<p>Lycoming O-235-C1 SN L-11243-15                      Drained oil. Rem. insp/cleaned oil screen. No abnormalities noted. Re-installed screen. Serv. w Sgt's Phillips 20W-50.                      Magns timed to engine                      Carb. drained / batt replaced / torqued to value                      Inlet screen rem/cleaned/re-installed                      Researched all ADs. All ok - see compliance record                      Work performed IAW Lycoming Serv. Man. Baffle repaired                      Compression:                      #1 76/50 #2 66/80 #3 66/50 #4 76/50                      Repl. air filter with BA-11                      → 260.4 hrs. on magns                      I certify This engine has been inspected IAW an annual inspection &amp; was found to be in an airworthy condition.                      Mara Jon Boony A+P 3406745 1/A</p>
12/30/18	3478.7	1505.3	3478.7	<p>OIL CHANGE, SGT'S PHILLIPS X/C 20W-50                      CLEANED &amp; INSPECTED OIL SCREEN - NO CONTAMINANTS Jim Pmd 3210275</p>
1-4-19	3478.7	1505.3	3478.7	<p>INSTALLED NEW SPARK PLUGS, TEMPEST UREM37BY (8) Jim Pmd 3210275</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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
4/8/2019	3486.7	1513.3	3486.7	<p>TOTALS brought forward from previous page</p> <p>Lycoming O-235C1 SN L-11243-15</p> <p>Drained oil. Rem/insp/cleaned oil screen. No abnormalities noted. Re-installed screen. Serv = 5 qts Phillips 20wt-50. Magn timed to engine. Carb cleaned / hot replaced &amp; torqued. Inlet screen rem/cleaned/re-installed. Resealed &amp; c/w all A/Ds - see compliance record.</p> <p>Work performed IAW Lycoming serv. man. Compression</p> <p>#1 22/80 #2 62/80 #3 68/80 #4 66/80.</p> <p>29 4.7 lbs on mags. —————&gt; 7</p> <p>I certify this engine has been inspected IAW an annual inspection &amp; was found to be in an —————&gt; airworthy condition</p> <p>Merla Lou Boone AP 3406745 1/A</p>

SUB-TOTALS this page

TOTALS—Carry forward to next page

N90997 Model 7ECA S/N 909-73 Hobbs: 760.7 Tach 3549.8

Engine Lycoming O-235-C1 S/N L-11243-15 ETT: 3549.8 TSO: 1576.4

C/W Annual/100 hour inspection using the Citabria Service Manual as a guide.

Compressions were as follows : 1) 70, 2) 65, 3) 65, 4) 70

Drained oil and inspected oil screen. Serviced with 5 qts Phillips 20w50

Cleaned and inspected carb inlet screen

Cleaned gapped and rotated spark plugs

Timed mags to engine

Kevin Pierron A&P 3343189IA 25 May 2020



11-28-2020

DRAINED OIL AND INSPECTED OIL  
SCREEN. SERVICED WITH 5QT PHILLIPS  
20W-50

TT : 3567.9  
TTSOH : 1594.5  
TACH : 3567.9

HOBBS - INOP

11-28-2020

TT - 3567.9

TTSOH - 1594.5

TACH - 3567.9

4-18-21

TT - 3579.8

PHILL X/C

TTSOH - 1606.4

TACH - 3579.8

3-9-22

TT - 3598.4

PHILL X/C

TTSOH - 1625.0

TACH - 3598.4

12-21-2022

OIL CHANGE ~~ADDED~~ DRAINED

OIL ADDED 5 QTS PHILLIPS



20W-50 + 160Z MMO

TACH

3624.9

HOBBS

836.0

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
				<p>N90997 Model 7ECA S/N 909-73 Hobbs:763.3 Tach                      Engine Lycoming O-235-C1 S/N L-11243-15                      Removed left and right magnetos for overhaul. Reinstalled magnetos after overhaul by FAA CRS#PO5R554Y. Timed magnetos to engine.                      Left On:S4LN-21 S/N 882283                      Right on: S4LN-20 S/N A587188</p> <p>Kevin Pierron A&amp;P 3343189IA 20 Oct 2020 </p>
				<p>N90997 Model 7ECA S/N 909-73 Hobbs: 766.9 Tach 3581.1                      Engine Lycoming O-235-C1 S/N L-11243-15 ETT: 3581.1 TSO: 1607.7                      CW Annual/100 hour inspection using the Citabria Service Manual as a guide.                      Compressions were as follows : 1) 70, 2) 65, 3) 65, 4) 70                      Removed and inspected oil screen                      Cleaned and inspected carb inlet screen                      Cleaned gapped and rotated spark plugs                      Timed mags to engine                      Removed and reinstalled right muffler after repair by Aerospace Welding, CRS# UWDR792L</p> <p>Kevin Pierron A&amp;P 3343189IA 14 July 2021 </p>
				<p><b>SUB-TOTALS</b> this page</p> <p><b>TOTALS</b>—Carry forward to next page</p>

N90997 Model 7ECA S/N 909-73 Hobbs: 858.9 Tach 3638.8

Engine Lycoming O-235-C1 S/N L-11243-15 ETT: 3638.8 TSO: 1665.5

C/W Annual/100 hour inspection using the Citabria Service Manual as a guide.

Compressions were as follows : 1) 77, 2) 63, 3) 61, 4) 75

Removed and inspected oil screen

Serviced with 6 qts Aeroshell 15w50

Cleaned and inspected carb inlet screen

Cleaned gapped and rotated spark plugs

Replaced engine mount rubber isolator bushings, P/N 71032, and engine mount bolts, P/N AN8-42a. Torqued and saftied to MM spec

Kevin Pierron A&P 3343189IA 9-5-2023



N90997 Model 7ECA S/N 909-73 Hobbs: 815.7 Tach 3610.2

Engine Lycoming O-235-C1 S/N L-11243-15 ETT: 3610.2 TSO: 1636.9

C/W Annual/100 hour inspection using the Citabria Service Manual as a guide.

Compressions were as follows : 1) 71, 2) 60, 3) 64, 4) 74

Removed and inspected oil screen and sump screen

Cleaned and inspected carb inlet screen

Cleaned gapped and rotated spark plugs

Timed mags to engine



10-2-2024  
 TT -  
 TTSMO -

OIL CHANGE, 5 QTS PHILLIPS X/C  
 20W-50, CHK'D & CLEANED  
 OIL SCREEN - NO METAL

CONTAMINANT  
 VISIBLE

*Jim Ford*

CERT #  
 3210275

N90997

Make	Lycoming O-235-C1	Tach	3660.9 hr
SN#	L-11243-15	TT	3660.9 hr
Date	10-07-2024	TSMOH	1697.6 hr

Description

- (1) Drained oil, removed screen and inspected, no abnormalities noted.
- (2) Serviced with 5 Qts Phillips 20W50 XC oil.
- (3) Researched & verified all AD's. See compliance records.
- (4) Work performed in accordance with Bellanca and Continental service manuals current as of this date.
- (5) I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Compressions	#1-78	#2-68	#3-76	#4-70
--------------	-------	-------	-------	-------

Jasson P. Czaika  
 A&P 2747316 IA

*Jasson P. Czaika*

N19099Z

OIL Δ 3-25-2025

5 QTS X/C

1 QTS MMO

NO FILTER CHK

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

wo: WO\_930

Engine Annual - page 1 of 1



Steel Aviation · 53 North Street Ext · Phillipsburg, Ohio 45354 · 937 332 7587

**N90997**

**LYCOMING, 0-235-C1, S/N: L-11243-15**

**November 07, 2025**

TACH: 3671.7

SMOH: 1762.4

1. C/W Annual Inspection in accordance with FAR 43 Appendix D using - Bellanca Aircraft Corp. Periodic and 100 hr inspection checklist as a guide.
2. Drained oil and serviced with. Installed P/N 61173 - Lycoming Oil Press. Housing Gasket, Installed (6 qt) P/N 20W-50X/C - Oil.
3. Removed and cut open oil filter.
4. Checked Compressions: #1:78/80, #3:68/80, #2:64/80, #4:76/80 M/O:47.
5. Checked Magneto timing per data tag.

I certify that this ENGINE has been inspected in accordance with an (annual) inspection and was determined to be in airworthy condition. Details of work performed are on file with Steel Aviation under work order: WO\_930.

Jeff Pleiman A/P I/A 3304319