

No. 2

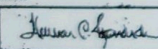


The Standard

ENGINE LOG

ASA-5E-1

REGISTRATION NOT TRANSFERABLE

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION		This certificate must be in the aircraft when operated.
NATIONALITY AND REGISTRATION MARKS N 177LR	AIRCRAFT SERIAL NO. 177RG1080	
MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT CESSNA 177RG ICAO Aircraft Address Code: 50232070		
I S S U E D T O	BOTEILHO RUSSELL J BOTEILHO LORAINE M 1829 W VIA DE LA GLORIA GREEN VALLEY, AZ 85614	This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.
	CO-OWNER	
It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with the Federal Aviation Act of 1958, and regulations issued thereunder.		
DATE OF ISSUE JULY 31, 1986	 ADMINISTRATOR	
U.S. Department of Transportation Federal Aviation Administration		

AC Form 8050-3(6/82) Supersedes previous editions

Book #2



The Standard

ENGINE LOG

ASA-SE-1

The Standard Engine Log
SE-1

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ASA-SE-1

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P N R A S A - S E - 1



9 781560 271659

Engine Record General Information

Manufacturer LYCOMING Model IO-360A1B6D
Serial L-16495-51A Type Certificate _____
This engine is currently installed in aircraft N177LR

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at _____ hours

DATE 19 <u>98</u>	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Dec 21, 1998	Tach	1470.53		clean Engine check engine controls Fuel & oil screen (filter) Replace oil Filter Install new Magneto harness
				R&R Prop governor for O/Hut by Warner Prop CRS 59R 659N
				Install Bruckett air filter element Comp check 1-28/80
				2-24/80 3-24/80 4-27/80 Michael L Bolas A/P 5077-63671

I certify the engine has been inspected in accordance with FAR 43 Appendix "D", in accordance with a Annual inspection, and as of this date, return it to service. T.T. 1470.53
 Date Dec 28, 1998 Tach 1470.53
 Signature Michael L Bolas A # 5077-63671

DATE 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL	Description of Inspection

Component Governor
 Mfg. McCaughey
 Model # C290D35/772
 Serial # 762987
 Blade Model # N
 Blade Serial #1 N
 Blade Serial #2 N
 Blade Serial #3 N
 Blade Serial #4 N
 Repair accomplished MPB
Overhaul and test
 S/B, S/L, A/D complied 5/6/223

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 99				
3/26/99	1490.38			DRAINED & REPLACED OIL & FILTER. 8 QT AEROSHELL W100 & CF100 FILTER ROTATED TIRES. REPLACED ALL BRAKE PADS. <i>R. B. [Signature]</i> 1852823
5/26/99	1539.01			DRAINED & REPLACED OIL & FILTER. 8 QT AEROSHELL W100 & CF100 FILTER <i>R. B. [Signature]</i> 1856223

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 99				
11-12	1559.		1559	OSMOH Engine Overhaul
				Removed Engine and disassembled. Sent Parts Off for Repair. Assembled Crankshaft That was Polished to MOOS on Mains and rods stayed std. C/W SB475B by Imp + Mat to C/W AD91-14-22. C/wts Repaired Per Lyc. SI 1143-B and Inst on Crank, all work done by Aircraft Specialties w.o. 706085. Installed Rods with New Std bearings and New Rod Bolts + Nuts and Torq. Installed Reground Camshaft from A/C spec. in Repaired/Resurfaced Case from DiCo. w.o. 71422. Assembled Case with MOO3 Main Bearings. Installed Factory New Cylinder Kits from Lyc and Torqued Case. Installed Reworked Lifter + Camfollowers from A/C spec. C/W AD96-09-10 by Installed New Oil Pump Kit AC05K19423-S in Acc Housing. Installed Repaired Fuel Injector Servo from Martin Induction w.o. 3134. Installed Rebuilt Saverge Pump RJ 1025-31 from Quality A/C Acc. w.o. 2297. Installed Rebuilt Bendix 3000 May P.N. 10-682555-11 S.N. 914385 from Quality A/C Acc. w.o. 2486 (Co

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 99				
3/26/99	1490.38			DRAINED & REPLACED OIL & FILTER. 8 QT AEROSHELL W100 & CF0100 FILTER ROTATED TIRES, REPLACED ALL BRAKE PADS. <i>R. Salinas</i> 1856823
5/26/99	1539.01			DRAINED & REPLACED OIL & FILTER. 8 QT AEROSHELL W100 & CF0100 FILTER <i>R. Salinas</i> 1856823

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 99				
11-17	1559.		1559	OSMOH "Engine Overhaul"
				Removed Engine and disassembled. Sent Parts Off for Repair. Assembled Crankshaft That was Polished to MO03 on Mains and rods stayed std. C/w SB475B by Insp + Meel to C/w AD91-1422. C/wts Repaired Per Lyc. SI 1143-B and Inst on Crank, all work done by Aircraft Specialties w.o. 706085. Installed Rods with New Std bearings and New Rod Bolts + Nuts and Torq. Installed Reground Camshaft from A/c spec. in Repaired/Resurfaced Case from DivCo. w.o. #71422. Assembled Case with MO03 Main Bearings. Installed Factory New Cylinder Kits from Lyc and Torqued Case. Installed Reworked Lifter + Camfollowers from A/c spec. C/w AD96-0910 by Installed New Oil Pump Kit ALOS K19423-S in Acc. Housing. Installed Repaired Fuel Injector Servo from Martin Induction w.o. 31341. Installed Rebuilt Scavenge Pump R/J 1025-31 from Quality A/C Acc. w.o. 2297. Installed Rebuilt Bendix 3000 Mag P.N. 10-682555-11 S.N. 914385 from Quality A/c Acc. w.o. 2486 (Cont)

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19 99				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-12	1559			(Cont) Installed Old Vacuum Pump and Alternator. Installed New M2622 Light Wt starter and made up New Wt + Bal. Installed Engine on N177LR with New Lord Mounts and fuel + oil hoses Installed Baffling and Exhaust. Installed Flushed Turbo Charger from Quality A/c Access. and Flashed Prop Gov, OH Turbo Controller from Main Turbo and Repaired Waste Gate from Quality A/c Access. WO #2335. Installed Baffling and Prop. Serviced with Phillips 20W50 Type M oil. Test Ran on Ground + Adj oil Pressure. Cooled + Test Flow. Adj Turbo Controller and Idle Mixture C/w AD 93-02-05 By Insp of Injector Lines, C/w AD 96-09-06 by Insp. Replaced Bracket Air filter Element, C/w AD 96-12-07 by Installing Rebuild Mag. See AD Compliance Record in Log Holder for Recur Times. OK for Return To Service.

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19 99				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-15	1559		1559	INSPECTION Date 11-15-99 Total Time 1559 I certify this Engine has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Details on file Repair Station under W/O no. 8364 + 8471 Signed <i>Keut Hunt</i> HETRICK AIRCRAFT, INC. TOPEKA, KANSAS
11-16	1568		1568	REPAIR STATION #M12R006L Changed oil + oil filter + Insp filter OK <i>Keut Hunt</i> HETRICK AIRCRAFT, INC. TOPEKA, KS. REPAIR STA. #M12R006L W.O. No. 8471
2/4/00	1595		1595	DRAINED OIL, REPLACED FILTER. INSTALLED BRT PHILLIPS 20W50 TYPE M, 2FO 100 FILTER. <i>P/B Stiller 123823</i> 36 SMOH

DATE 2000 10	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE SMOH	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/31/00	1617		1559 58	CHANGED OIL & FILTER. ENDED USE OF PHILLIPS HINDEN 20W50 INSTALLED 8QT AEROSHELL 100W & 1EA W/ BLEND, CFC 100 FILTER DRAINED OIL, REMOVED OIL FILTER. <i>1559</i>
7/10/00	1669		110	INSTALLED 8 QT. AEROSHELL 100W & CFC 100 OIL FILTER

177RG(T) SN: 1080 N177LR Lyc.: IO-360A1B6D (Flite Craft Turbo)

Sns: L-16945-51A

11/16/00 Tach: 1705.05 ATT: 1705.05

(7810) Removed 2-4 exhaust collector assembly. Sized #2 riser tubing. Cleaned exhaust deposits out of #2 runner. Lapped slip joint. Treated with high temp anti seize & assembled. Reinstalled collector with new 77611 exhaust gaskets & lock washers.

Torqued to spec. Little Flyers WO# 3390 Roger A. Stern A&P 1765780

Roger A. Stern




DATE 2000 19	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE SMOH	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Dec 14, 2000	Tach 1709.74		1710 1539 151 51 SMOH	Clean in bench check engine controls fuel & oil screens Clean + gap plugs Chg oil & Filter Aeroshell 100 w/dit Reset Mags Timing Check mufflers Comp Check K1-77/50 2-77/50 3-77/50 4-77/50 <i>Michael Stern IA # 507263671</i>
				I certify this engine has been inspected in accordance with FAR 43 Appendix D, in accordance with <i>Annex 1</i> inspection, and as of this date, return it to service. TT 150.74 SMOH
				Date <i>Dec 14, 2000</i> Tach <i>1709.74</i>
				Signature <i>Michael Stern IA # 507263671</i>
5/2/01	1766			CHANGED OIL & FILTER. INSTALLED 8 QT. AEROSHELL W 100 OIL & CFC-100 FILTER. <i>Roger A. Stern 1765780</i>


DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11/26/01	1816			CHANGED OIL & FILTER. INSTALLED 8 QT ARROWHELL 100W # CF0100 OIL FILTER R/S Balala 1852823
Jan 19, 2002	Tach 1832.42			Clean turbocheck engine controls, Fuel & oil screens cleaning pop plugs check Mufflers & exhaust system Comp Check 1-76/80 2-76/80 3-78/80 4-77/80 Michael X Balala AIP # 507263671
				I certify this engine has been inspected in accordance with FAR 43 Appendix "D", in accordance with a <u>Manual</u> inspection, and as of this date, return it to service. T.T. 12695 273.42 SMOH Date <u>Jan 19, 2002</u> Signature <u>Michael X Balala IA</u> Tach <u>1832.42</u> # <u>507263671</u>
4/25/02	1869			CHANGED OIL & FILTER. INSTALLED 8 QT ARROWHELL 100W # CF0100 OIL FILTER R/S Balala 1852823

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/14/02	1905			CHANGED OIL & FILTER. INSTALLED 8 QT ARROWHELL 100W # CF0100 FILTER. R/S Balala 1852823
Feb 5, 2003	Tach 1949.6			clean engine check engine controls fuel and oil filter change oil Arrowshell sawtooth check muffler & exhaust system Comp check 1-75/80 2-77/80 3-78/80 4-75/80 Michael X Balala AIP # 507263671
				I certify this engine has been inspected in accordance with FAR 43 Appendix "D", in accordance with a <u>Manual</u> inspection, and as of this date, return it to service. T.T. <u>370.62</u> SMOH Date <u>Feb 5, 2003</u> Signature <u>Michael X Balala IA</u> Tach <u>1949.6</u> # <u>507263671</u>

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
2004 March 10	2004	Tech reads	2034.39	Clean engine check engine controls, fuel and oil screen (Filter) Chg oil Aero Shell 100 (det) w Clean req plugs Install New Brackett Air filter element Replace Vac pump Comp Check 1-76/80 2-76/80 3-77/80 4-77/80 Mitchell L Balon AIP # 507263671
				I certify the <u>engine</u> has been inspected in accordance with FAR 43 Appendix "D", in accordance with a <u>Annex 1</u> inspection, and as of this date, return it to service. T.T. 475,345MOH Date <u>March 2004</u> Tach <u>2034.39</u> Signature <u>Mitchell L Balon IA # 507263671</u>
5/27/4	2078			REPLACED OIL & FILTER. INSTALLED 8 QT. AEROSHELL WITH CF0 100 OIL FILTER. P/Balalon 1856823

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
7/30/4	2096			INSTALLED 4 RHM323 (FINE WIRE) SPARK PLUGS IN EACH LOWER CYLINDER. P/Balalon 1856823
11/23/4	2128		2150.99	CHANGED OIL & FILTER. INSTALLED 8 QT AEROSHELL 100W + AND CF0 100-1 FILTER. P/Balalon 1856823
April 05, 2005		Tech	2034.39	Clean lube & check engine controls fuel & oil screens, Change oil Aero Shell 100w, Change Filter. Replace Top 4 Spark Plugs Check M.F.S. on + exhaust of m Ad 96-12-07 Mg impulse by inspecting again 300 hrs Mitchell L Balon AIP # 507263671 Comp Check 1-77/80 2-78/80 3-77/80 4-78/80 Mitchell L Balon AIP # 507263671
				I certify the <u>engine</u> has been inspected in accordance with FAR 43 Appendix "D", in accordance with a <u>Annex 1</u> inspection, and as of this date, return it to service. T.T. 594.9 Date <u>April 5, 2005</u> Tach <u>2150.99</u> Signature <u>Mitchell L Balon IA # 507263671</u>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/26/05	2150.99			Update new software version on transponder GTX330 SN: 84110091, From 3.05 to 3.06. Complies with Garmin Mandatory Service Bulletin N° 0409 & FAA AD2004-10-15 SONORA AVIONICS, INC. d/b/a Southwest Avionics Ryan Field, Tucson, AZ FAA CRS NYRR723K Auth.  Sig. 
7/11/05	2179			CHANGED OIL & FILTER. INSTALLED 8QT AEROSHELL W100+ & 2FO100A FILTER. P/B  1856823

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
NOV 23, 2005	TACH 2215.0			REMOVE ENGINE DRIVEN FUEL PUMP REINSTALL NEW PUMP PART # LW15473 TORQUE AND SAFETY. GROUND RUN A/C NO LEAKS NOTED REINSTALL
Jan 19, 2006	Tach 2223.1			Inst. 11 Gami injectors under SIC SE 4082 NM, see 337 This date W/100+ & 2FO100A 507263671
2/6/06	2132			CHANGED OIL & FILTER. INSTALLED 8QT AEROSHELL W100+ & 2FO100A OIL FILTER. P/B  1856823
May 17, 2006	Tach 2248.65			Clean engine check engine controls, fuel & oil screens check muffler & exhaust system Chg Oil from Shell 1100+ Clean & check plugs & p. OK Comp Check 1-75/50 2-75/50 3-76/50 & 75/50 W/100+ & 2FO100A 507263671

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				I certify the <u>Engine</u> has been inspected in accordance with FAR 43 Appendix 'D', in accordance with a <u>Annual</u> inspection, and as of this date, return it to service. T.T. <u>689.65</u> Mod Date <u>May 17, 2006</u> Tach <u>2248.65</u> Signature <u>Michael L. Latta EA # 507263671</u>
<u>June 6, 2006</u>	<u>2250.55</u>			<u>install spin on Oil Filter conversion</u> <u>MT Michael L. Latta EA # 507263671</u>
<u>10/14/06</u>	<u>2285.09</u>			<u>CHANGED OIL & FILTER. INSTALLED 8QT CASFOOL AVIATOR 50W</u> <u>+ CHANGE IN CH 481031 FILTER/Filter 1830823</u>

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<u>Aug 10, 2007</u>		<u>Tech</u>	<u>7304.98</u>	<u>Close engine check engine controls, Seal & oil screens (Filter) Close & check plugs Change Oil Aero Shell 100W and Filter Check Mufflers exhaust system Comp Check 1-66/80 2-78/80 3-76/80 4-76/80 Recommend recheck #1 Cylinder in 4005 hrs</u> <u>Michael L. Latta EA # 507263671</u>
				I certify the <u>Engine</u> has been inspected in accordance with FAR 43 Appendix 'D', in accordance with a <u>Annual</u> inspection, and as of this date, return it to service. T.T. <u>745.87</u> SMO # Date <u>Aug 10, 2007</u> Tach <u>2304.98</u> Signature <u>Michael L. Latta EA # 507263671</u>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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2/29/08 Tach: 2315.67 TTSN: 2315.67 TSMOH: 752.73

Removed engine and associated components. Sent engine to Aircraft Engine Specialists for repair of engine case crack.
 Reinstalled engine and associated components using existing hardware. Engine repair details attached and in Aircraft Engine Specialists W/O E4180 dtd 1/05/08.
 Replaced oil line hose between turbo and oil supply. Replaced both cowl flap cables.
 Replaced alternator drive belt. Serviced with 8 qt. Aeroshell 100W+ oil.
 Inspected final installation and test run engine. No leaks or operational abnormalities noted.
 OK for return to service.

James W Volk 52794430 D2P.

01-15-08
 MODEL: IO-360-A1B6D
 S/N: L-16495-51A
 TTE: UNKNWN
 TSMO: UNKNOWN

2315.67

~~2315.67~~ ~~ST011~~
 Page 1 of 1

AIRCRAFT ENGINE SPECIALISTS, LLC
 2330 SOUTH AIRPORT BOULEVARD, SUITE #5
 CHANDLER, ARIZONA 85295
 (480) 516-0390 CRS # ZF7R728Y

Disassembled engine, clean, inspect, ndt test, repaired (due to crankcase being cracked), assemble and test run in accordance with Lycoming overhaul manual 60294-7-10, STC SE4082NM and STC SA4081NM. Cylinders were checked by Aircraft Engine Specialists w/o J13717 and were found to be in airworthy condition. Ndt testing by Agula NDT w/o 12030703. Engine Components INC. reconditioned camshaft w/o 72611-1, lifters w/o 71639-2. Owner bought and supplied crankcase Divco w/o 87431. AD's were checked for compliance, see AD sheet. Serviceable items reinstalled are mag DALN-3000, pn 10-662555-11, sn 914365, carburetor RSA-5AD1, pn 2524054-11, sn 58413, starter pn MZ5222, sn 9081192, fuel pump pn LW-15473, sn 2105, prop gov pn C290D3-J/712, sn 762987. Engine test run and was found to be in airworthy condition for return to service. Further details of this overhaul may be found at this facility under work order E4180.

James Volk

James Volk

Parts Installed on WO# E4180

QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION	QTY	PART #	DESCRIPTION
1	05S21021	SPRNG OIL FLTR BY-PASS VLV	1	SL81544	PLUNGER (.360)	3	MS49005-2	PLUG
1	06B23072	GASKET	1	STD-1211	PLUG	3	330979-3	O-RING
1	E5K21022	SPACER	1	STD-1930	HOSE	3	72198	PLUG
1	AE3683161E0170	HOSE ASSEMBLY	2	CH48103-1	OIL FILTER	3	QS100M6H	CLAMP
1	AN9-14A	BOLT	2	LW-13641	CUSHION	3	SL12196	NUT
1	LW10286 U/S	GEAR, IDLER	2	SL3313	GASKET	3	SL13212A	BEARING
1	LW-12944	SEAL & GSKT SET	4	333958-3	SEAL	3	SL14820	SNAP RING
1	MS16625-2081	RETAINING RING	4	840812	WASHER	3	SL71907A	WASHER
1	MS35489-20	GROMMET	4	SL11020 M03	BEARING	3	SL75060	ROD BOLT
1	SL1028-B	BALL-CHROME ALLOY	4	SL87193-S	GASKET	18	15H21201	SPRING-SHROUD T
1	SL13884A M03	BEARING	4	STD-1901	SCREW			
1	SL61064	SPRING (360)	4	STD-2180	HOSE			

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/29/08	2364			CHANGED OIL & FILTER. SERVICED WITH 8QT CASTROL 100 AND KELLEY 48103 OIL FILTER <i>Russell Belshe 1856823</i>
Oct 18 2008	Tach 2377			Chg Oil & Filter Aero Shell 100+ Clean & gaskets plugs Rad Oil Cooler sent to Pacific Oil Cooler for Oil Heat I-stroke Air Filter element (Bracket 5705)
1-7 ¹⁶ / ₂₀	Comp Chcks	3- ¹⁷ / ₂₀	4- ¹⁸ / ₂₀	<i>Melvin L Baker IA # 507263271</i>
I certify this <u>engine</u> has been inspected in accordance with FAR 43 Appendix "D", in accordance with a <u>Annual</u> inspection, and as of this date, return it to service. <u>TT 871915 MOTH</u>				
Date <u>Oct 18, 2008</u> Tach <u>2377</u>				
Signature <u>Melvin L Baker IA # 507263271</u>				

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-21-08	2377.			Installed 8qt oil cooler Pacific oil cooler service. work order #67997 ran engine no oil leaks noted see #130-3 dated sep 8-2008. <i>James W. Hill 52784430 ACP.</i>
11/12/08	2385.34			Removed #2 cyl. because of oil pumping, sent to Aircraft Engine specialists for repair. see #130.3 work order # 4496-08-11 dated 11-05-08 put back on engine with new gasket & seals, ran engine no leaks noted. <i>James W Hill 52784430 ACP.</i>
11/12/08	2385.34			CHANGED OIL & FILTER. INSTALLED 8QT AEROSHELL 100+ 48103 OIL FILTER <i>Russell Belshe 1856823</i>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-6-09	2409.72			Remove oil mag and melt it off by quality Aircraft PSE WO# 53753 Dendix 3000 # 10-682555-11 PAN ENGINE (AT) James W Hill 527844430 I.A.
8-7-09	2434.05			CHANGED OIL & FILTER. INSTALLED B&J AEROSHELL W 100+ AND 48103 OIL FILTER. Raully Balle 1856823

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				Date 11-2-09 Tach 2443.2 N177LR SMOH 834.2 Total time 2443.2 Change oil & filter <u>NO old filter just change.</u> checked spark plugs, mufflers, mags, ignition system, carburetor, air filter, intakes, engine controls, compression 124 228 324 425 5 6 checked for oil leaks, checked baffling, starter, gen., alt. Hoses, vacuum pump, oil cooler, primer lines, fuel system, carb heat, mounts, Propeller & spinner, ran engine, up dated AD list see list, I certify that this Engine has been inspected in accordance with a 100 hr. or Annual inspection and was determined to be in airworthy condition James W Hill 527844430 I.A. <u>James W Hill</u>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date 10-12-10 Tach 2475.9 N 177LR SMOH 916.9 Total

Change oil & filter 8 qt shell 30⁺ plus - chg 23 Checked spark plugs, mufflers, mags, ignition system, carburetor, air filter, intakes, engine controls, compression 1⁷⁹/₆₀ 2²⁸/₄₀ 3²⁹/₅₀ 4⁷⁹/₈₀
 5--- 6--- Checked for oil leaks, checked baffling, starter, gen, alt. Hoses, vacuum pump, oil cooler, primer lines, fuel system, carb. heat, mounts, Propeller & spinner, ran engine, updated AD list see list,

I certify that this Engine has been inspected in accordance with Far.43 appendix (D) for a 100 hr. or Annual inspection and was determined to be in airworthy condition
 James W Hill 527844430 I.A. James W Hill

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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10/10/11 2506.1
 Change oil & filter w/ 8qt. 15w-50 Aeroshell
 Compression check #1-⁷⁹/₈₀ #2-⁷⁹/₈₀ #3-⁷⁹/₈₀ #4-⁷⁹/₈₀

N177LR 12-15-2011 Tach: 2511.49
 -Comp check results 1)76/80 2)77 3)75 4)78.
 -Inspected magnetos to engine timing.
 -Drained oil, changed filter and serviced with 8qts of oil.
 -I certify that this engine was inspected I/A/W an ANNUAL INSPECTION and found to be in an AIRWORTHY condition.
 Rusty Gill [Signature] AP2770994IA
25418 Craig Pointe Road
 Topping, LA 71468
 (504) 293-4043

Memoranda

1. Approving National Aviation Authority/Country:
FAA/UNITED STATES

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

4. Organization Name and Address:
Aircraft Engine Specialists 2330 S AIRPORT BLVD, Suite # 5, CHANDLER, AZ 85286

5. Work Order/Contract/Invoice Number:
C4486-08-11

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Cylinder	Lw12993	TBV by Installer	1	C4486	Repaired

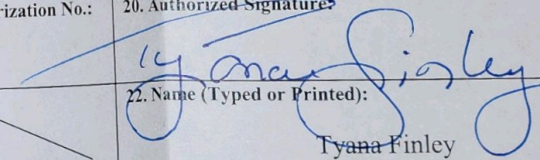
13. Remarks:
Honed to ring finish only. Leak checked cylinder. Replaced piston with serviceable. Sized rings and installed on piston. Work done in accordance with Lycoming overhaul manual #60294-7-10B, section 6. Information pertinent to these cylinders, see Aircraft Engine Specialist WO# C4486-08-11.

14. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 13.

19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13
Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

16. Approval/Authorization No.:

20. Authorized Signature:


21. Approval/Certificate No.:
ZF7R728Y

17. Name (Typed or Printed):

18. Date (m/d/y):

22. Name (Typed or Printed):
Tyana Finley

23. Date (m/d/y):
11-05-08

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Memoranda

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1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: QYAR 53753	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYAR334Y) 5746 E. Apache Tulsa, OK 74115		Phone: 1-877-633-6948 918-435-6948		5. Work Order/Invoice Number: INV # 79574		
6. Item	7. Description	8. Part Number	9. Eligibility	10. QTY	11. Serial/Part Number	12. Status/Work
1	MAGNETO	10-682555-11	(VARIOUS)	1	604JA1318	Overhaul (Exchange)
13. Remarks: <input type="checkbox"/> CSB641 CONDENSOR <input type="checkbox"/> MSB644 COIL & ROTOR (AD 94-01-03R2) <input checked="" type="checkbox"/> MSB645 500 HR. IMPULSE INSPECTION (AD 2005-12-08) The work identified in Block 12 and described in Block 13 except as otherwise specified was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA acceptance Certificate number EASA 145.982. See Attached Work Order Summary for details. (2) pages (RECD: KR)						
I certify the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			18. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:	19. Authorized Signature: David Dutton		21. Approval Certificate No.: QYAR334Y	
17. Name (Typed or Printed):		18. Date (MM/DD):	20. Name (Typed or Printed): David Dutton		22. Date (MM/DD): 02/06/09	

