

The Standard Engine Log
SE-2

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P N R A S A - S E - 2



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Engine Record General Information

Manufacturer LYCOMING Model O-360-A1D
Serial L-8819-36A Type Certificate _____
This engine is currently installed in aircraft: N5992Q

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____
Magnetto Time _____ Point Setting _____ Firing Order _____
Spark Plug Gap _____
Manufacturer's Recommended Overhaul at _____ hours

Logbook #3 TAC 2416

DATE 19__	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 Technician or Repair Facility. (See back pages for other specific entries.)
4/12/94	2416			TACH and total time 0 SMOH Reinstalled this engine in Mooney M20C N5992Q. Installed with new engine shock mounts. Propeller, prop governor and vacuum pump reinstalled in 'as is' condition. all other accessories overhauled or replaced with overhauled units. Muffler repaired by CRS N25R069N, sa maintenance release dated 3/29/94. Oil cooler replaced with overhauled unit P/W 84065 S/W 17095 from CRS TB3RB61L, sa maintenance release dated 4/4/94. CWAD 94-06-09 on magnetos - DNA both mags due to date stamps. Engine serviced with A-ushell 15W50 and 6oz. LW 16702. Engine ground run and aircraft test flown for 1 hour following overhauler's recommendations. compression checked - all cyls 70/80 or better. Replaced fuel line fwd of firewall. (cont. →)

DATE 19__	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 Technician or Repair Facility. (See back pages for other specific entries.)
(cont.)				Annual inspection completed this date. This engine and propeller have been inspected in accordance with an annual inspection and are determined to be airworthy at this time. - James G. H. AIP370660403 IA for Roney Aviation, Inc.
MAY 16	2436.66		2048	oil drained screens checked & cleaned replaced gasket, serviced with aero shell 100 8qt & 02LW 16702 Eng. Run check for leaks Hank P. Jensen AIP1481939 Roney Aviation
11/5/94	2478.4	TACH		Changed oil, inspected screens. Serviced with 8qts A-ushell 15W50. Run-up and leak check - OK. - James G. H. AIP370660403 for Roney Aviation, Inc.

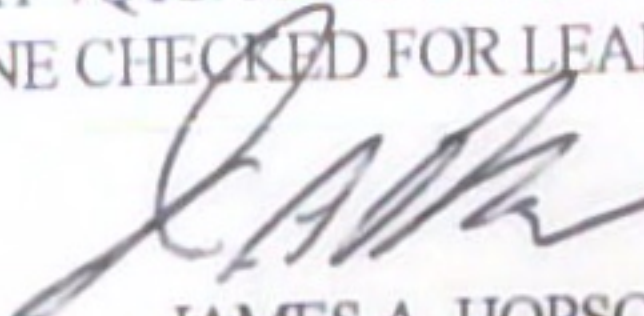
DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/23/95			2490.4	hrs Tach Time changed oil + filter, serviced w/8qts A/S 15W50 Removed, cleaned, gapped + tested spark plugs and Replaced spark plugs <i>Ronald J. Ash AP374762057</i>
3/23/95	2490.4	TACH		and total time, 74.4 SMON Completed annual inspection thru date in accordance with Mooney checklist and FAR 43 Appendix D. Compression test results - #1 77/80 #2 77/80 #3 76/80 #4 76/80. Adjusted idle mixture Adjusted magnets to engine timing. Run-up and leak checks - OK. All A/Ds up to date. thru 95-04 Bi-weekly. This engine and propeller have been inspected in accordance with an annual inspection and are determined to be airworthy at this time. - James Bush ATP370660403 IA for Ronco Aviation Inc.

DATE 19__	DESCRIPTION	ALTERATIONS
8/23/95	Tanis Aircraft Services Inc. P.O. Box 117 Glenwood, Minnesota 56334 FAA PMA TAN AIR Name _____ Preheater _____ Model TAS 100-03 P/N _____ S/N <u>25481</u> Eligible On _____ (over) _____ For complete application and interchange listings see TAN AIR master sheet. Acceptance of these terms, provisions, limitations and exclusions set forth herein. Such terms, provisions, limitations, and exclusions shall not be modified, deleted or supplemented except by an express written acknowledgment of Airborne. Owner <u>DON SCHEIDER</u> Aircraft Tach Time <u>2532</u> SI300-11 Aircraft Make <u>MOONEY</u> Model # <u>M20C</u> Registration # <u>N5992Q</u> Pump Model # <u>211CE</u> Pump Serial # <u>12AK00653</u> Date <u>8-29-95</u> Installing Facility Name <u>G.B. Dubont Co Inc</u> Signature <u>[Signature]</u> (Tear Along Dotted Line)	Number of specific entries.) 15W50 563 1967K AN serviced WSB 510C
10/23/95	this valve is of different configuration - locknut secured with a roll pin. Run-up and leak check - OK. - James Bush ATP370660403 for Ronco Aviation, Inc.	

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 Technician or Repair Facility. (See back pages for other specific entries.)
19 <u>96</u>				
02/27	2601.		1855 moH	ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.
	COMPRESSION READINGS -			
	77/80 21 75/80			REMOVED PROP. REPLACED CRANKSHAFT SEAL, #N LW13792. REINSTALLED PROP WITH NEW O-RING.
	72/80 43 75/80			ADDED 8 QTS AEROSHELL 15W50. INSTALLED TANIS ENGINE HEATER, #IN25481, IN ACCORDANCE WITH TANIS INSTRUCTION AND DRAWING # TAS-100A.
				REPLACED AIR FILTER WITH BRACKETT BA6110 FILTER ASSEMBLY. WASHED DOWN ENGINE.
				Date <u>02/27/96</u> Total Aircraft Time <u>2401</u> I certify this ~~ENGINE~~ has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.
				Signature <u>[Signature]</u> KW2R967K DuPONT-LAPEER ENTERPRISES INC. F.A.A. Approved repair Station No. KW2R967K DuPONT AIRPORT, LAPEER, MICHIGAN 48446

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 Technician or Repair Facility. (See back pages for other specific entries.)
19 <u>96</u>				
05-31-96	2652.48	2	36.48 smOH	changed oil & cleaned suction screen serviced w/ 9 QTS Aeroshell 15W-50 cleaned engine compartment & oil run good. Check ch. Sat. & END-
				OHIO STATE UNIVERSITY AIRPORT
				Date <u>05-31-96</u> Work Order No. <u>29366</u>
				Signature <u>[Signature]</u> Repair Station No. IKBRO28F
8/26/96	2676.0			oil change 8 QTS 15W50 AEROSHELL Burt Beauty DuPONT-LAPEER ENTERPRISES INC. F.A.A. Approved repair Station No. KW2R967K DuPONT AIRPORT, LAPEER, MICHIGAN 48446
11/27/96	2699.0			OIL CHANGE - 7 QTS 15W50 AEROSHELL BURT. - DuPONT LAPEER ENTERPRISES INC.

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 Technician or Repair Facility. (See back pages for other specific entries.)
1997				
3/7/			2714	ENGINE - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine
77/80	2 + 1	76/80		8 QTS. 15W50 AEROSHALL, REPAIRED
77/80	4 + 3	74/80		ENG. BAFELING (SPARK PLUG ACCESS PANEL) REPAIRED BOTH COWL FLAPS, C/W AD 75-09-08 BY INSPECTION OF ENG. MOUNT, 95-07-01 CONNECTING ROD BOLTS ALLOW AT ENG. O/H,
3/7/97			2714	Date <u>3/21/97</u> Total Aircraft Time <u>2714</u> I certify this ENGINE has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition.
5/9/97			2740.0	Signature <u>Burt Bentley</u> FOR <u>KW2R967K</u> OIL CHANGE 7 QTS. 15W50 AEROSHALL DuPONT-LAPEER ENTERPRISES INC. F.A.A. Approved repair Station No. KW2R967K DuPONT AIRPORT, LAPEER, MICHIGAN 48446

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 Technician or Repair Facility. (See back pages for other specific entries.)
HIGH WINDS AVIATION, INC. ENGINE N5992Q TACH: 2771.71 AFTT: 2771.71 07/09/97 WO#1025 CHANGED OIL SERVICED WITH 7QTS. AEROSHALL OIL. REMOVED AND INSPECTED SCREEN WITH SATISFACTORY RESULTS. GROUND RUN ENGINE CHECKED FOR LEAKS AND OPERATION WITH SATISFACTORY RESULTS.  JAMES A. HOPSON A&P 524254883				
ENGINE LOG N5992Q 1-2-98 2802.97 TACH. CHANGED OIL (AEROSHALL 15W50) CLEANED + INSPECTED SCREEN. LEAK CHECK GOOD.				
MAINTENANCE RELEASE The Aircraft and/or Component identified herein was Repaired and Inspected in accordance with current Federal Air Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this Agency, under Work Order No. <u>2291</u> Date <u>5-2-98</u> Signed <u>[Signature]</u> [Signature of Authorized Individual] for MICHIGAN AVIATION CO. - CRS No. KL2R956K OAKLAND/PONTIAC AIRPORT, WATERFORD, MICHIGAN				

DATE 19 <u>98</u>	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 Technician or Repair Facility. (See back pages for other specific entries.)
3/13	2810.6		3945mot	ENGINE--Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes checked mags and timed properly checked prop for leaks and grease. Functionally checked engine. Serviced with 89TS. Aero shell 15W50 - Removed PROP - Replaced CRANK SHAFT SEAL LW13972 - R/R PROP "O" Ring MS28775-228 - Replaced BAN U-BOLT LYC-BOLT # 37619714-325, Replaced BRACKET AIR FILTER ASSY - BA6110 REV. C. Replaced ALL SPARK PLUGS REM 38E, DRESS & PAINT PROP, SOB AD LIST IN BOOK DATE <u>3/13/98</u> TOTAL AIRCRAFT TIME <u>2810.6</u> I CERTIFY THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED <u>Burt Brumby</u> FOR REPAIR STATION L9PR971N

DATE 19 <u>98</u>	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 Technician or Repair Facility. (See back pages for other specific entries.)
4/15	2839.6		~~2839.6~~ 2839.6	Oil change 7qt. Aero-shell 15W50 Burt Brumby FOR LAPEER AVIATION, INC. F.A.A. Approved Repair Station No. L9PR971N DuPont Lapeer Airport, Lapeer, Michigan 48446
11-15-98	2970			Oil Change 7qt. Aero Shell 15W50
2-15-99	2895			Installed Spin-on Oil Filter, Change Oil 15W50
4-10-99	2905			Replaced Gen. Belt
5-2-99	2924			Oil Change 15W50 + Filter
7-3-99	2940			Oil Change " "

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 Technician or Repair Facility. (See back pages for other specific entries.)
19 <u>99</u>				
8-30	2940.6		2940.6	100 hrs + annual inspection completed this date. oil change (acrosnell 15W50) filters changed. spark plugs cleaned & gapped. magneto timing checked. air filter element replaced.
				DATE <u>8-30-99</u> T.T. IN SERVICE <u>2940.6</u> AD'S CHECKED THRU: <u>99-13</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard W Amador</u> NUMBER: <u>ATP 1441031</u> TA
				DATE <u>8-30-99</u> T.T. IN SERVICE <u>2940.6</u> COMPRESSION CHECK: CYL. 1 <u>25/80</u> CYL. 3 <u>75/80</u> CYL. 5 <u>X</u> CYL. 2 <u>25/80</u> CYL. 4 <u>74/80</u> CYL. 6 <u>X</u>
3-18-00	2990			Oil Changed + Filter 15W50 R/O
8-24-00	3028.0		3028.0	100 hrs + annual inspection completed this date. clean & gap spark plugs. oil & filter change (acrosnell 15W50) air filter replaced.
				DATE <u>8-24-00</u> T.T. IN SERVICE <u>3028.0</u> AD'S CHECKED THRU: <u>00-13</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard W Amador</u> NUMBER: <u>ATP 1441031</u> TA
				DATE <u>8-24-00</u> T.T. IN SERVICE <u>3028.0</u> COMPRESSION CHECK: CYL. 1 <u>73/80</u> CYL. 3 <u>76/80</u> CYL. 5 <u>X</u> CYL. 2 <u>74/80</u> CYL. 4 <u>76/80</u> CYL. 6 <u>X</u>

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 Technician or Repair Facility. (See back pages for other specific entries.)
19 <u>01</u>				
9-18-01	3123		3123	100 hrs + annual inspection completed this date. oil & filter change (acrosnell 15W50) spark plugs cleaned & gapped. thrust rod end replaced at carb arm. 707 S.M.O. per Sh.
				DATE <u>9-18-01</u> T.T. IN SERVICE <u>3123.0</u> AD'S CHECKED THRU: <u>01-14</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard W Amador</u> NUMBER: <u>ATP 1441031</u> TA
				DATE <u>9-18-01</u> T.T. IN SERVICE <u>3123.0</u> COMPRESSION CHECK: CYL. 1 <u>75/80</u> CYL. 3 <u>75/80</u> CYL. 5 <u>X</u> CYL. 2 <u>76/80</u> CYL. 4 <u>75/80</u> CYL. 6 <u>X</u>
	3170			Oil Change + Filter R/O 15W50
10-25-02				100 hrs + annual inspection completed this date. clean and gap plugs. oil & filter change (acrosnell 15W50) 195.9 snout
				DATE <u>10-25-02</u> T.T. IN SERVICE <u>3201.9</u> AD'S CHECKED THRU: <u>02-20</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard W Amador</u> NUMBER: <u>ATP 1441031</u> TA
				DATE <u>10-25-02</u> T.T. IN SERVICE <u>3201.9</u> COMPRESSION CHECK: CYL. 1 <u>76/80</u> CYL. 3 <u>78/80</u> CYL. 5 <u>X</u> CYL. 2 <u>76/80</u> CYL. 4 <u>76/80</u> CYL. 6 <u>X</u>

DATE 2003 19	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 Technician or Repair Facility. (See back pages for other specific entries.)
	3250			Oil + Filter Changed 15W50 <i>RJD</i>
	3290			" " " " <i>RJD</i>
1-2-04				100 hrs annual inspection completed this date. oil + filter changed (Amsoil 15W50) spark plugs cleaned + gapped. new carb intake air duct installed <i>RJD 3MUH</i>
DATE 1-2-04			T.T. IN SERVICE 3282.0	AD'S CHECKED THRU: 03-25 I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard B. Miller</u> NUMBER: <u>DTF 1441031</u> <i>TD</i>
COMPRESSION CHECK:				
CYL 1 <u>75/80</u>	CYL 3 <u>75/80</u>	CYL 5 <u>X</u>		
CYL 2 <u>75/80</u>	CYL 4 <u>75/80</u>	CYL 6 <u>X</u>		

DATE 2004 19	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 Technician or Repair Facility. (See back pages for other specific entries.)
12-1-04				100 hrs annual inspection completed this date. oil + filter changed (Amsoil 15W50) spark plugs cleaned + gapped Time S.M. 803.5916.7
DATE 12-1-04			T.T. IN SERVICE 3332.7	AD'S CHECKED THRU: 04-23 I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard B. Miller</u> NUMBER: <u>DTF 1441031</u> <i>TD</i>
COMPRESSION CHECK:				
CYL 1 <u>79/80</u>	CYL 3 <u>77/80</u>	CYL 5 <u>X</u>		
CYL 2 <u>74/80</u>	CYL 4 <u>76/80</u>	CYL 6 <u>X</u>		
	3340			Oil + Filter Changed 15W50 <i>RJD</i>
11-1-05				100 hrs annual inspection completed this date. oil + filter changed (15W50) air filter serviced. spark plugs cleaned + gapped Time S.M. 940.8964.0
DATE 11-1-05			T.T. IN SERVICE 3380.0	AD'S CHECKED THRU: 05-22 I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard B. Miller</u> NUMBER: <u>DTF 1441031</u> <i>TD</i>
COMPRESSION CHECK:				
CYL 1 <u>79/80</u>	CYL 3 <u>77/80</u>	CYL 5 <u>X</u>		
CYL 2 <u>78/80</u>	CYL 4 <u>75/80</u>	CYL 6 <u>X</u>		

DATE 2009 3-2-09	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 Technician or Repair Facility. (See back pages for other specific entries.)
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100 hrs + annual inspection completed this date. oil & filters changed (Philips 20W50XC) spark plugs cleaned, gapped & tested. air filter serviced. time S.M.O. 1033.8 hrs. 1057.0

DATE 3-2-09 T.T. IN SERVICE 3473.0
COMPRESSION CHECK:
CYL. 1 76/80 CYL. 3 77/80 CYL. 5 X
CYL. 2 75/80 CYL. 4 75/80 CYL. 6 X
DATE 3-2-09 T.T. IN SERVICE 3473.0
AD'S CHECKED THRU: 09-04 I CERTIFY THAT
THIS engine HAS BEEN INSPECTED IN ACCORDANCE
WITH A annual INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: Bennett W. Amador
NUMBER: HYP 1441031 IA

DATE 2010 4-5-10	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 Technician or Repair Facility. (See back pages for other specific entries.)
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100-hr + annual inspection completed this date. oil & filters changed. spark plugs cleaned & gapped. air filter element serviced. T.S.M.O. 1074 hrs. 1098.0

DATE 4-5-10 T.T. IN SERVICE 3514.0
COMPRESSION CHECK:
CYL. 1 75/80 CYL. 3 77/80 CYL. 5 X
CYL. 2 75/80 CYL. 4 75/80 CYL. 6 X
DATE 4-5-10 T.T. IN SERVICE 3514.0
AD'S CHECKED THRU: 10-06 I CERTIFY THAT
THIS engine HAS BEEN INSPECTED IN ACCORDANCE
WITH A annual INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.
SIGNED: Bennett W. Amador
NUMBER: HYP 1441031 IA

4-9-10 AD 2509-22-03 8 5/B 61-269 R4
PR-PD
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DATE 2012	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 Technician or Repair Facility. (See back pages for other specific entries.)
5-9-12				100 hr. & annual inspection completed this date. oil & filters changed (Phillips 20W50) spark plugs cleaned & gapped. new air filter element installed. Time S.M.O. 477 hrs. 1195.0
DATE <u>5-9-12</u> T. IN SERVICE <u>3611.0</u> AD'S CHECKED THRU <u>12-05</u> I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>Bernard W. Lockhart</u> NUMBER: <u>AVP 1441031 TA</u>				
COMPRESSION CHECK: CYL 1 <u>74/80</u> CYL 3 <u>73/80</u> CYL 5 <u>X</u> CYL 2 <u>73/80</u> CYL 4 <u>73/80</u> CYL 6 <u>X</u>				

DATE 2013	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 Technician or Repair Facility. (See back pages for other specific entries.)
N5992Q (1965) Mooney M20C ENGINE LYCOMING O-360 A1D S/N L-8819-36A *Engine overhauled by Blueprint Engines, Inc. of Chicago Ridge, IL 60415 on 2-18-1994 @ tach 2416.0 TACH 3625.7 TTE 3625.7 TTSMOH 1195.0 7-10-2013 Completed 100 hr. inspection/checked all Autolite (Unison) REM 40E spark plugs, cleaned, rotated & gapped. Compression 72, 67, 73, 70, consecutively/drained oil, replaced with (7) qts. of Phillips XC 20W-50/replaced oil filter with Champion CH48110-1/replaced #1 cylinder bottom spark plug heli-coil/replaced spark plug with Tempest UREM 40E/checked mag timing to engine, ok/checked heat exchanger, ok/ removed spinner, serviced with #5 grease and re-installed/run engine and check for leaks, found none/ return to service. I certify that I have inspected this engine IAW a 100 hr. inspection and determined it to be in airworthy condition. <u>Donald Lockhart</u> Donald Lockhart A&P 3013789				

DATE 19	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 Technician or Repair Facility. (See back pages for other specific entries.)
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N5992Q (1965) Mooney M20C

ENGINE

LYCOMING O-360 A1D

S/N L-8819-36A

*Engine overhauled by Blueprint Engines, Inc. of Chicago Ridge, IL 60415 on 2-18-1994 @ tach 2416.0

TACH 3630.1 TTE 3630.1 TTSMOH 1199.4

8-5-2013

Removed old regulator, replaced with new ZEFTRONICS voltage regulator, model # G1500N, p/n 224006/ installed IAW instructions furnished by mfg./replaced cooling hose to generator. Instructions for continued airworthiness, furnished by mfg., added to aircraft records. No change in weight and balance. Checked charging system, ok. Return to service.

Donald Lockhart
A&P 3013789

7/25/14 3645.7 3645.7 TTSMOH 1215.0 - C/W @ 100 Hr/ANNUAL Insp. 25
per FAR 43 App. (D) & Mooney MIM - comp. ck - #1 75/80 #2 77/80 #3 76/80 #4 76/80
chg. oil & filter, insp. old filter, no defects, - 7 qts 20/50 XC & temp. filter 4848-2
insp. controls, exhaust system, tighten drain back tube clamps - I certify
that this engine has been inspected IAW 2100 Hr/ANNUAL inspection and was determined
to be in Airworthy Condition Ben Walden IA 1898254 Apr 3-15

DATE 19	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 Technician or Repair Facility. (See back pages for other specific entries.)
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Hops Aviation LLC. 201 Whitney Dr. Pueblo, CO 81004 719-649-8915

N5992Q DATE: 03-22-2015 TACH: 3660.0

Replaced vacuum pump (RAP215CC sn:A57225). Operations of the above item checks acceptable at this time.

Gregory Jones *G Jones* A&P3252805

Hops Aviation LLC. 201 Whitney Dr. Pueblo, CO 81004 719-649-8915

N5992Q DATE: 10-12-2016 TACH: 3676.2 ACTT: 3676.2 EngTT: 3676.2 TSMO: 1260.2

Performed Annual Inspection IAW FAR43App(D). Cylinder compressions: #1 74/80, #2 72/80, #3 71/80, #4 73/80, Verified compliance with AD59-10-07, AD63-22-03, AD64-16-05, AD66-20-04, AD69-24-03, AD72-06-05R2, AD73-23-01, AD74-26-09, AD75-08-09, AD80-04-03R2, AD81-18-04R2, AD82-20-01, AD87-10-06R1, AD89-04-02, AD90-04-06R1, AD91-14-22, AD92-12-05, AD93-11-11, AD93-19-04, AD94-01-03R2, AD94-06-09, AD95-07-01, AD95-26-02, AD96-09-10, AD97-15-11, AD98-01-06, AD98-17-11, AD05-12-06, AD05-19-11, AD06-03-08, AD06-10-21, AD06-12-07, AD07-04-19R1, AD09-26-12, AD12-19-01 (see AD list). All work performed per manufacturer manuals unless otherwise noted. Operations of the above items check acceptable at this time. I certify that this engine has been inspected iaw an Annual Inspection and was determined to be in an airworthy condition.

Gregory Jones *G Jones* A&P3252805IA

Hops Aviation LLC. 201 Whitney Dr. Pueblo, CO 81004 719-649-8915

N5992Q DATE: 2017-12-01 TACH: 3678.3 ACTT: 3678.3 EngTT: 3678.3 TSMO: 1262.3

Performed Annual Inspection IAW FAR43App(D). Cylinder compressions: #1 72/80, #2 71/80, #3 74/80, #4 72/80. Adjusted left magneto, Verified compliance with AD04-10-14 & AD17-16-11 (see AD list). All work performed per manufacturer manuals unless otherwise noted. Operations of the above items check acceptable at this time. I certify that this engine has been inspected iaw an Annual Inspection and was determined to be in an airworthy condition.

Gregory Jones *G Jones* A&P3252805IA

N5992Q DATE: 2019-12-19 TACH: 3678.4 ACTT: 3678.4 EngTT: 3678.4 TSMO: 1262.4
Performed Annual Inspection IAW FAR43App(D). Cylinder compressions: #1 73/80, #2 75/80, #3 76/80, #4 74/80.
Verified compliance with AD04-10-14 (See AD listings for additional information.) All work performed per
manufacturer manuals unless otherwise noted. Operations of the above items check acceptable at this time. I certify
that this engine has been inspected iaw an Annual Inspection and was determined to be in an airworthy condition.
Gregory Jones  A&P3252805IA



1360 Aviation Way. Colorado Springs, CO 80916

ENGINE

Reg. Number:	N5992Q	T. T Eng:	3678.4	Eng. S/N:	L-8819-36A
Date:	10/21/2012	Tach Time:	3678.4	S.M.O.H:	1262.4

MAINTENANCE DESCRIPTION

Performed an ANNUAL inspection on this date. Compression checks as follows: Cyl. 1: 76/80, Cyl. 2: 77/80, Cyl. 3: 77/80 and Cyl. 4: 72/80. Removed, cleaned, inspected, gapped and reinstalled spark plugs. Replaced spark plug gaskets with M674 gaskets. Rotated spark plugs. Complied with AD 15-19-07, fuel injector line inspection. Inspected Ok. Next due at 3778.4 Tach. Checked engine to magneto timing. Checked components for security and condition. Ops check and leak check ok. I certify this engine has been inspected IAW a ~~100-Hour~~ inspection and has been determined to be in an AIRWORTHY condition.

Mechanic's Signature: _____

Certificate Number: AP3710569 IA

[illegible]