The Standard

ENGINE LOG

ASA-SE-1

Book III

The Standard

ENGINE LOG

ASA-SE-1

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P N R A S A - S E - 1

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Engine Record General Information

Manufacturer MOONEY **Model** TN 20E 690067

Serial L 66 36 51A 690067 **Type Certificate**

This engine is currently installed in aircraft 10 360 AIA Lyc. 200 H.P.

Minimum Octane Fuel 100LL **Oil Grade:** Summer Winter

Magneto Time **Point Setting** **Firing Order**

Spark Plug Gap

Manufacturer recommended overhaul at 2000 **hours**

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Registered Owner Record

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

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Notes

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DATE 1996	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.)
9/20	2682.50			Major Overhaul of Engine
				Removed Engine for Overhaul Following work
				done at Js Aircraft.- Rebushed Rods, Gears
				checked, Rocker Arms Bushed.; Case Sent to
				Divco, Yellow tagged Prop Governor overhauled
				oil Cooler Flushed, Fuel Injector overhauled
				by Fuel Inj of Dallas Yellow Tag. Crankshaft
				STD. Js Aircraft; Camshaft Dave at AEA
				Dallas. Yellow tag.; New Motor Mt Bolts
				8ea AN 7-44A Nuts 628109/RH 4ea
				All cylinders New @ 2486.0 Revamped and
				Reinstalled; New Starter (STC'd)

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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.)
				4ea Main Bearings P/N 11020
				2ea " " " 13884
				8ea Rod Bearings P/N 74309
				8ea Rod Bolts P/N 12596
				8ea Rod Nuts P/N 12186
				Serviceable Oil Pump Housing 78528
				8ea Lifters P/N 72877
				Nose Seal P/N 13792
				3ea Push Rods P/N 15F-19957-57
				2ea Piston Plugs P/N LW11775
			AD 90-01-09	Oil Gears c/w AD SL18110A SL18109A-5
				Crank Gear c/w ~~AD~~ AD 91-14-22

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DATE 19 96	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.)
				Mags C/W AD 94-01-03 Stamp with C
				New oil Cooler Hoses 111-B-1/2 High Pressure
				Gasket Set P/N SL75439
				Ground Run Engine checked for oil Leaks
				Engine Serviced with Phillips 20W50
				Oil Filter CH 48110 Set Timing 1pt AV Blend
				Flew Aircraft oil Pressure CHT, oil Temp
				Normal Return Aircraft To Service
				Alan K Clark A&P/IA 309385543
	① 2883.- C			

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DATE 19 97	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.)
6-16	2800.0		2800.0	117.7 SMOH
SMOH	117.7			Clean + Gap Spark Plugs Change oil +
317.7	Since Factory New			Filter Phillips 20W50 CH48110. 1pt Av Blend
Cylinder				Install New Alternator P/N ATY 8420
				Compression 1 2 3 4
				76 77 76 76
				I certify that this Engine has been inspected
				in accordance with an Annual inspection
				and was determined to be in Airworthy Condition
				Alan K Clark IA 309385543

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DATE 1998	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.)
6-23	2971.0		2971.0	Change oil and Filter Phillips XC 20w50
SMOH	288.7			Filter CH 48110 Clean + Gap spark plugs Clean
988.7	Since	Factory	New	Fuel filter - 1pt Av Blend - Compression 79/80 77/80 79/80 78/80
Cylinders				Check Timing - @ 25° BTC
				I certify that this Engine has been inspected
				in accordance with an Annual Inspection and
				was determined to be in Airworthy Condition
				Mark Clark IA 309385543

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DATE 1998	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.)
8/4	3006.00			Installed Mixture Control cable Part #
				660166-005 and Swivel joint #660051-B
				ADJUSTED, SAFETIED, ops check O.K
				John Breshen John Breshen A+P 456889906
9/20	3025.00			Changed Spark Plugs, cleaned fuel injectors
				Checked battery Filled 8 qts Phillips 20/50
11/98	3043.75			oil chng. Phillips XC 20/50
1/24/99				
	3071.00			Installed new Spark Plugs, Cleaned fuel
				Injectors, Cleaned gascolator, Changed
	Mags out A			oil 8 qts Phillips 20/50 + Filter

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DATE 1998	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.)
6-23	2971.0		2971.0	Change oil and Filter Phillips XC 20w50
SMOH	288.7			Filter CH 48110 Clean + Gap spark plugs Clean
488.7	Since	Factory	New	Fuel filter + 1pt Air Blend - Compression 79/80, 77/80, 77/80, 78/80
cylinders				Check Timing - @ 25° B/C
				I certify that this Engine has been inspected
				in accordance with an Annual Inspection and
				was determined to be in Airworthy Condition
				Mark Clark IA 309385543

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DATE 1998	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.)
8/4	3006.50			Installed Mixture Control cable Part #
				660166-005 and Swivel joint #660051-B
				ADJUSTED, SAFETIED, ops check O.K
				John Brezsher John Brezsher A+P 456889906
9/20	3025.00			Changed Spark Plugs, cleaned fuel injectors
				Checked battery JBrick 8 qts Phillips 20/50
11/98	3043.75			oil chng. Phillips XC 20/50
1/24/99				
	3071.00			Installed new Spark Plugs, Cleaned fuel
				Injectors, Cleaned gascolator, Changed
	Mags out of			oil 8 qts Phillips 20/50 + Filter JB

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DATE 1999	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.)
1-29	3071.9		3071.9	Removed LT + RT Magnetos for overhaul
				LT Mag Installed 10-363115 Seal
Mags	163605-2			10-357281 Capacitor - 10-357584 Gear
	163605-3			Kit 10-382584 - 10 382585 Contact Assy
				10-357424 Block. RT Mag Installed
				10-353115 Seal - 10-357981 Capacitor
				10-357584 Gear Kit 10-382585 Contact Assy
				10-357163 Serviable Coil Set E Gap
				both Mags Timed Mags to ENG Run
				Engine Mag check 50 RPM & run Both Mags
				Return Aircraft to Service
				Mark Clark A&P 309385543

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DATE 1999	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.)
4-25	3104.68			oil Change 8 qts Phillips XC 20-50
				no additive
5-12	3127.53			Change Spark Plugs
5-25	3131.75			oil Change 8 qts Phillips XC 20-50
				+ AVI additive
6-17-99	3137.25			Annual

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DATE 1999	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.)
17 June 99	3137.25		3137.25	Checked compression cyl #1 = 75/80, cyl #2 = 75/80, cyl #3 = 75/80, cyl #4 = 75/80. All AD notes checked for compliance. Airfram and engine are in an airworthy condition. Installed Champion Ingnition harness. Harry L. Phillips A&P 1821637
				DATE 6-17-99 TOTAL TIME 3137 HOURS I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A/AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. I.A. NO. 428587702
	455 hrs since overhaul			9-20-96

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DATE 1999	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.)
7/20	3141.		3141	Installed NEW Fuel Pump Cleburne Aviation Jane Bell IA 43886502
9/8	3177.0			8 qts Phillips XC 20/50 NEW OIL FILTER Cleaned + Rotated Spark Plugs

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DATE 1900	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.)
	annual			

7/6/00 N9298V IO-360-A1A
TSMOH:588.78 Total:3271.08 S/N:L-663651A
100 hr. inspection completed this date. Compression as follows: #1-78/80 ,#2-75/80, #3-78/80, #4-78/80. Cleaned fuel injector nozzles. C/W A.D. 93-02-05. Due again at any maintenance or repair to fuel injector lines. Routine maintenance as required. A.D.'s C/W thru 00-13. For current status of all A.D.'s see aircraft records. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition.

Gary W. Shelton A&P524808580 IA Gary W. Shelton

3/10/01	3371		8 gts	Phillips X C. 20/20
5/11/01	3386		Fuel	Injectors Cleaned & Spark Plugs Changed

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DATE 1901	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.)
	annual			

7/6/01 N9298V IO-360-A1A
TSMOH:714.37 Total:3396.67 S/N:L-663651A
100 hr. inspection completed this date. Compression as follows: #1-78/80 ,#2-77/80, #3-78/80, #4-77/80. Cleaned fuel injector nozzles. C/W A.D. 93-02-05. Due again at any maintenance or repair to fuel injector lines. Changed oil and filter. Replaced muffler and all exhaust gaskets. Replaced oil cooler lines. Routine maintenance as required. A.D.'s C/W thru 01-13. For current status of all A.D.'s see aircraft records. I certify that this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition.
Gary W. Shelton A&P524808580 IA Gary W. Shelton

9/3/01	3442		760	INSTALLED 4 PLACE EGT PROBES + INSTRUMENT CHECKED O.K. Gary W. Shelton

A+P 524808580IA

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DATE 19 01	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.)
9/01	3445.		763.	Changed Spark Plugs (autolite)
		SHB	13624413	Changed oil 8 qts Phillips XC 20/50
12/6	3477	SHB	795	Changed Spark Plugs (autolite)
		SHB	13624413	Changed oil 8 qts Phillip 20/50
3/02	3503	"	"	Changed oil 8 qts Phillips 20/50
4/21/02	3517		835	REMOVED #2 CYLINDER & REPLACED CYL. BASE GASKET
				APPLIED PRO-SEAL ON CYL. BASE, REPLACED PUSHROD TUBE
				SEALS, INSTALLED CYL. AS PER LYCOMING SERVICE MANUAL
				ENGINE RAN AND FOUND TO MEET SPECIFICATIONS
				WITH NO LEAKS NOTED. [signature] A&P 466714998

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DATE 19 02	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.)
5/7	3520		838	Stewart-Warner oil Cooler 8432R
				Barry W. Shelton A&P 524808580 IA
5/30	3530			Checked & Set Mag Timing. Checked
				Throttle & Mixture Settings [signature] A&P 464724938
6/17	3531.58			Prop BALANCE + Gear - SEE Aircraft Log
9/5	3564			Chng oil 7 qts Phillips XC 20/50
				J H Beck 13624413
12/	3592.2			Chng oil 7 qts Phillips XC
				J H Beck 13624413

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DATE 19 02	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.)
July	3539			

Trust Aviation 512-785-9240
18319-A Werchan Lane Coupland, TX 78715

Date: 07-12-02 **Tach: 3539.1**
Removed oil and filter. Installed new filter and serviced as required. Engine oil filter inspection with no defects noted. Compression are 1) 78, 2) 75, 3) 75, 3) 77/80. Engine air filter replaced. Cleaned fuel injector nozzles C/W A.D. 93-02-05 by inspection. A.D. C/W thru 02-13. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Sven Hendrickson, IA 449396662

7/02				Lone Star Aero replaced gear actuator kit see aircraft log

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9/15	3564			Chng oil See aircraft log
12/16	3592.42			Chng oil, Sparks & Cleaned Fuel Inj. S&S Beck 136 24413
6/18	3630.25			Chng oil Phillips XC 20/50
7/17/03	Annual			2 qts S&S Beck 136 24413

Lycoming IO360A1A, L-6636-51A, July 17, 2003, Tach and TT: 3638.25, SMOH: 955.95. Compression: #1 76/80, #2 76/80, #3 79/80, #4 73/80. Inspected filter for metal, none noted. C/W AD2002-26-01 by inspection of fuel injection lines, no defects noted. Cleaned and gapped spark plugs. Air filter replaced. I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in an airworthy condition.

Signature _____ R. W. McBride, Jr.
AP2710158

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DATE 19 03	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.)
7/17	3638			Chng oil 7 qts Phillips XC 20/50
				Chng spark plugs REM 38E
				SJ Beck 1362 4413
9/3	3680			Chng oil 7 qts Phillips XC 20/50
				Cleaned Spark plugs SJB 1362 4413
11/3	3665			Chng oil 7 qts Phillips XC 20/50
				SJ Beck 1362 4413
04				
2/4	3680			Chng oil 7 qts Phillips 20/50
				SJB 1362 4413
6/2	3705			Chng oil 7 qts Phillips 20/50 SJ Beck
				& new Sparks REM 38E

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Lycoming IO360A1A, L-6636-51A, July 01, 2004, Tach and TT: 3714.5, SMOH: 1032.2. Compression: #1 76/80, #2 75/80, #3 7780, #4 75/80. Inspected filter for metal, none noted. C/W AD2002-26-01 by inspection of fuel injection lines, no defects noted. Air filter replaced. I certify that this engine has been inspected in accordance with a 100-hour inspection and was determined to be in an airworthy condition.

Signature R. W. McBride, Jr.
AP2710158

8/29/04		3728.4		oil Chng 8 qts XC 20/50 Changed oil filter (48 1/2) S.J. Beck
				Cleaned Fuel Filter in engine

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DATE 19 04	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.)
	37273	9/16/04		REMOVED E.D. FUEL PUMP AND INSTALLED OVERHAULED UNIT BY AERO ACC., W.O. # 44467 DATED 2/4/04. PRESSURE CHECKED FUEL SYSTEM, NO LEAKS NOTED. DESCRIBED MAINTENANCE IS AIRWORTHY.
				M-WMCR AP2710158

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DATE 19 05	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.)
1/05	37151			FUEL Hoses, Installed New hose from Firewall to Inlet of Engine Driven pump. Inspected all other Hoses for correct Installation. Pressurised Fuel system to inspect for leaks, None Found.
				David Ortiz AP
				Lone Star Aero CRS. LSZ 252X

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| DATE 19 04 | RECORDI TACH TIME | | |

DATE 1995	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.)
4/05	3749.			Changed oil 7 qts Phillips 20/50 new oil filter Cleaned + reinstalled Spark Plugs cleaned all Fuel Injectors + reinstalled J Fleck
6/1	3765.			Chng oil 7 qts Phillip 20/50 New oil filter
7/13	3772			Chng. oil 7 qts Phillips 20/50 cleaned sparks & rotated

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DATE 2005	RECORDING TACH TIME Tach	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.)
	3772.87			Compression #1 75 #2 80 #3 75 #4 80 Valves Adjusted Then 200 5-14-11
7/13				I CERTIFY THAT THIS ENGINE/AIRFRAME HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL ~~100 HR.~~ INSPECTION AND HAS BEEN FOUND IN AIR WORTHY CONDITION ON THIS DATE 7/13/05 A&P 438949101 I.A. MICHIEL R. WILLIAMS Michiel R Williams
	T.S.M.O.H			
	1090.87			
2006				

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DATE 20 06	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.)
9/2	3800.24			MAJOR OVERHAUL of Engine
				Removed Engine for Major. Work done
				at AiRcraft Engine + Accessories, Dallas, Tx
				Case To Divco, Tulsa, Cylinders done
				at Sentry, Ft. Worth, yellow Tagged.
				Con Rods, bushed, Camshaft, lifters,
				crankshaft certified A&A
				New Barry Engine Mounts,
				New mount bolts + nuts 1628109
				+ AN 7-44A

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DATE 20 06	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.)
9/2	New		4 ea	Main Bearings P/N 11020
			2 ea	Main Bearings P/N 13884
			8 ea	Rod Bearings 74309
			8 ea	Rod Bolts 12596
			8 ea	Rod Nuts 12186
			8 ea	Piston Plugs (Pins) 72198
			8 ea	Autolite Spark Plugs REM38E
			1	New Ignition Harness
			1	NEW Alternator A14 8420, NEW BELT
			1	NEW Fuel Plunger
			1	NEW Crankshaft Idler gear 75072
			1	Overhauled Prop gov.

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DATE 19 06	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.)
			1	Overhauled Fuel Pump
9/6	3800.24			Complied with AD 02-26-01 By visual
				insp Next Due At Annual. Rev Date July 10, 2001
				I certify that this Engine & Propellar Have
				Been Inspected in Accordance with An
				Annual inspection AND were Determined to
				be in Airworthy Condition.
				[illegible] A&P 2821356- 9-9-06

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DATE 19 06	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.)
12/10	3850.60			Pulled #2 Cylinder for repair Sentry Rings not sealing
				Mineral oil
12/15	3850			7 quarts Phillips XC 20/50 run hard for 10 hrs. then
				change to new Filter & new
				XC 20 50
9/10	3880			1 quarts XC 20/50 new Filter
				SJ Beck

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DATE 1907	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entnes must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/18	3889.3			
				Lycoming IO360A1A, L-6636-51A, September 18, 2007, Tach and TT: 3889.3, SMOH: 89.1. Compression: #1 74/80, #2 74/80, #3 72/80, #4 74/80. Inspected filter for metal, none noted. C/W AD2002-26-01 by inspection of fuel injection lines, no defects noted. Checked magneto timing. Inspected and rotated spark plugs. Air filter replaced. I certify that this engine has been inspected in accordance with a **100-hour inspection** and was determined to be in an airworthy condition. Signature [signature] R. W. McBride, Jr. AP2710158
12/20	3905	Oil Change	7 qts	Phillips w/ SD XC [signature]
3/18	3939	"	"	" [signature]
8/15	3953	"	"	" [signature]

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DATE 1908	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.)
8/15/08	3953.61			Installed 2 Bendix Magnetos, S4LN-200 and S4LN-204 in Mooney 9298V and Timed same according to specs.
				S&R Aviation Scott Richter [signature] A&P 543193 07
8/08	2 New	oil	Hoses	N&N Skytec Starter New Conlon Battery & B
9/12	3961.02	T.T.	1161.2 SMOH	Compression #1 73/80 #2 72/80 #3 71/80 #4 72/80, Inspected Filter for Metal, None Noted, All AD's Complied w/ Thru Bi-Weekly 2008-18. I certify this engine has been inspected w/ a 100 hr insp and found to be in an Air Worthy Condition [signature] AP3070388

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DATE 19~~01~~	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.)
March 15			3996	7 qts Phillips XC 20/50 New Filter S J Beck
April-May			4003	8 New Spark Plugs autolite E38 installed + Fuel Nozzles cleaned and reinstalled. Oil Pressure screen Cleaned + retightened. S J Beck

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DATE 19~~01~~	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.)
6/30/09	~~[illegible]~~			**Engine Logbook Release To Service Certificate** Aircraft M/N: Mooney M20E Reg: N9296V ACTT: 4013.27 Engine M/N: Lycoming IO-360-A1A S/N: L-6636-51A SMOH: 213.03 **The following work has been carried out on the Engine:** Inspected oil filter-no metal noted and performed compression check: #1-79/80, #2-76/80, #3-78/80, and #4-77/80. Ran up aircraft-no leaks noted and all systems satisfactory. All work done iaw manufacture's maintenance manual and 43.13. All AD's C/W thru Biweekly 09-26. I certify that this engine has been inspected in accordance with an 100hr/Annual inspection and was determined to be in airworthy condition. 303 Airport Rd. Taylor, Tx 76574 Shaun Schoener A&P 2822892IA Date: July 1, 2009
7/26/09	4037.90	OIL	Chng	7 qts Phillips XC 20/50 S J Beck

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DATE 19/10	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.)
11/10	4062.90			Oil Chng Sparks cleaned 7 qts Phillips XC 20/50 J J Beck
7/10	4087.90			oil Change 7 qts Phillips XC 20/50 J J Beck Comm- 136 24 4113
7/5	4105			Sparks Chng./oil change J J Beck XC 20/50

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Ken's Mobile Mechanics

5407 Honey Dew Terrace, Austin, TX 78749 512-891-9060

Tach 4089.41 N9298V Date 07/24/2010

Performed annual inspection IAW Mooney service manual. Compressions as follows: 78,78,77,79. Cleaned and gapped spark plugs. Checked magneto to engine timing. Performed high tension lead test. Pressure tested exhaust system. C/W AD 08-14-07 by inspection of fuel injection lines and adel clamps, next due 4189.41, AD 09-02-03 by inspection of plug for security and tightness, next due 4139.41. I certify that this engine has been inspected IAW an annual inspection and found to be in airworthy condition at this time.

IA 467537264

ns, Tests, Repairs and Alterations

Name, Rating and Certificate Number of Technician or Repair

er specific entries.)

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DATE 19 11	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.)
5/16				Cleaned & replaced Sparks + oil Chng
				7 qts 20/50 S F Beck
6/27	4103			Mandatory AD Eddy Current Insp.
				on Prop Hub
7/29		Oil Chng		7 qts 20/50 Phillips added w/ Filter
				S F Beck
8/6/11		Cleared + Chng Spark Plugs		S+R Aviation
		4137.09		
8/8/11		☆ Gear Actuator greased due in 100 hrs (4138.88)		
				S F Beck

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Ken's Mobile Mechanics
5407 Honey Dew Terrace, Austin, TX 78749 512-891-9060

Tach 4131.71 N9298V Date 06/27/2011

Performed annual inspection IAW Mooney service manual. Compressions as follows: 78,75,75,78. Cleaned and gapped spark plugs. Checked magneto to engine timing. Performed high tension lead test. Pressure tested exhaust system. C/W AD 08-14-07 by inspection of fuel injection lines and adel clamps, next due 4231.71, AD 09-02-03 by inspection of plug for security and tightness, next due 4231.71. I certify that this engine has been inspected IAW an annual inspection and found to be in airworthy condition at this time.

IA 3279628

ıs, Tests, Repairs and Alterations
Name, Rating and Certificate Number of Technician or Repair
ıer specific entries.)

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DATE 19 11	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.)
10/9	4136.0			Changed Spark Plugs + Oil 7 qts 20/50 Philip S.J. Beck
10/25	4150.			Fuel gascolator cleaned + replaced
	9/13/11			Fuel injectors cleaned + replaced
	11/5/11			New Regulator installed - S.J. Beck New Sealed Concord S.J. Beck

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Mar. 22nd, 2012 N9298V Tach 4176.30 OK

Engine Overhaul:

Lycoming IO-360-A1A serial number L-6636-51A

Engine disassembled for compliance with AD 2004-10-14. Crankcase overhauled by Divco work order #106598. Crankshaft, rods, crankgear, timing gears and timing gear shafts recertified by Aircraft Engine and Accessories wo order # 167404, 167405, and 167406. Reassembled using new Lycoming main and rod bearings, both STD. New r bolts and nuts, torqued in accordance with SI1458F. Reinstalled crank gear in accordance with SB475C using new bolt and lock tab. All new seals and gasket installed as required. Replaced all piston pins with new SL13444-1. Cylinders reinstalled as removed with new base o-rings and drain hoses. Reinstalled engine in aircraft. Replaced Vacuum pump RA215cc s/n18787. Reinstalled both mags following 500 hr inspection by Magneto E.R.. Reinstall prop governor following inspection by R&D Propeller work order #13453. All other components reinstalled as removed. Serviced with Phillips X/C 20W50 oil. Prop and spinner replaced with new Hartzell HC-C2YR-1BFP/F74 serial number NS619B. Prop balanced to engine and operational checked ok. See 337 this date. Approved for re to service.

AP 3503187

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DATE 19 12	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.)
6/22	4193.[illegible]			Changed oil 7 qts Phillips 20/20 SPB
6/23	4197.2		4197.2	CLEANED, GAPPED, TESTED PLUGS, TEST IGNITION LEADS, TIMED MAGS, COMPRESSIONS #1 78/80 #2 78/80 #3 78/80 #4 78/80 COMPLIED W/ AD 08/14/07 BY VISUAL INSPECTION. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW A 100 HR INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION. NEXT DUE 4297.2 TAT — John Dickerson AP3070388
6/27			4198.5	Changed Spark Plugs, Cleaned gascolator SPB

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DATE 19 12	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.)
10/8			4213.02	DUKES ELEC FUEL PUMP REBUILT BY AEROMOTORS, LLC BROWNTOWN WI 53522 INSTALLED DUKES FUEL PUMP P/N 4140-00-19A S/N 8046 John Dickerson AP3070388
10/25			4219.0	8 New Champion Spark Plugs Installed - Shield Beck
11/16			4225.0 4225.0	New Tempest Fuel Pump AF 15473 05-02556 Aircraft Spruce - installed this date John Dickerson AP3070388
4/19/9			4240	NEW RSA Fuel Injection Installed Ned McCay AP3615278 IA.

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DATE 2013	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.)
5/12	4242			NEW Fuel lines on Servo Sheila Beck
6/10	4241			Cylinder Compression #1 78/80 #2 78/80 #3 78/80 #4 78/80 B&G Aviation Brad Shey 8035 15789AP
6/24	4242			Cleaned & installed spark Plugs, 7 qts Phillips XC, Cleaned gascolator, greased Prop; greased governator greased zerks; checked air filter Sheila Beck

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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.)
6-29-13	4241.71	1.	Cleaned	Gapped & Rotated Plugs
SMOH	65.41	2.	Comp Ck's	#1, 78 #2 77 #3, 78 #4, 78 Over 80 psi
TTE	4241.71	3.	C/W AD	12-05-09 Fuel Inj Lines (Visual) Next Due TTE 4341.71
		4.	Cleaned	Fuel Screen, Clnd Injectors
		5.	Checked	Mag Timing
		6.	All Routine	Maint C/W
		7.	Washed	& Ground Run Engine. Ops Ck Good No Leaks Noted

I Certify This Engine Has Been Insp. I.A.W. A 100 Hr Inspection And Was Determined To Be In An Airworthy Condition

Orl McCoy AP3615278 IA.

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N9298V TACH:4320.58 ACTT & Eng.TT SMOH:144.28 Date:7/26/2014

Compression checks **#1** 76/80 **#2** 74/80 **#3** 70/80 **#4** 76/80
Complied with AD 2011-26-04 by inspection of fuel injector lines and reconfiguration of clamps IAW Lycoming SB 342E, DiagramNo. 3, Page 7 of 37; next due by 4420.58 ACTT (Not to Exceed 4430.58 ACTT) Removed, cleaned, gapped, inspected, and reinstalled spark plugs using new M674 gaskets. Replaced exhaust gasket p/n: 77611 on cylinders #1 and #3 with new. Retorqued exhaust stud nuts on cylinders #2 and #4. Checked magneto to engine timing. Removed and reinstalled vacuum pump to facilitate replacement of vacuum pump drive seal 06A19956 and gear assembly 72970 with new. Ran up, checked for leaks; all found satisfactory. ADs checked.

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

California Aero Marketing LLC
2155 - F South Mission Road
Fallbrook, California 92028-4404

T 760.731.2614
F 760.203.0422

Jeff W. Holstein
A&P 3180354 IA

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.)

N9298V TACH: 4434.79 SMOH: 258.49 Date: 3/9/2015

Drained engine oil, inspected it and filter; nothing found. Took oil sample for analysis. Replaced oil filter with new Tempest AA48110-2 filter. Filled engine oil sump with 8 quarts of Phillips XC 20w50 oil. Ran up, checked for leaks, all found satisfactory.

California Aero Marketing LLC
2155 - F South Mission Road
Fallbrook, California 92028-4404

T 760.731.2614
F 760.203.0422

Jeffrey W Holstein
A&P 3180354 IA

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N9298V TACH:4479.69 ACTT & Eng.TT SMOH:303.39 Date:9/25/2015

Compression checks **#1** 77/80 **#2** 65/80 **#3** 77/80 **#4** 76/80

Drained engine oil, inspected it and filter; nothing found. Took oil sample for analysis. Replaced oil filter with new AA48110-2 and filled engine oil sump with 8 quarts of Phillips XC 20w50 oil. Complied with AD 2011-26-04 by inspection of fuel injector lines and reconfiguration of clamps IAW Lycoming SB 342E, DiagramNo. 3, Page 7 of 37; next due by 4579.69 ACTT (Not to Exceed 4589.69 ACTT) Removed, cleaned, gapped, inspected, and reinstalled spark plugs using new M674 gaskets. Checked magneto to engine timing. Fabricated, painted, and replaced broken and loose engine baffles as needed. Ran up, checked for leaks; all found satisfactory. ADs checked.

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

California Aero Marketing LLC
2155 - F South Mission Road
Fallbrook, California 92028-4404

T 760.731.2614
F 760.203.0422

Jeff W. Holstein
A&P 3180354 IA

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.)

N9298V TACH: 4523.12 SMOH: 346.82 Date: 3/8/2016

Drained engine oil, inspected it and filter; nothing found. Took oil sample for analysis. Replaced oil filter with new Tempest AA48110-2 filter. Filled engine oil sump with 8 quarts of Phillips XC 20w50 oil. Replaced leaking oil temperature probe with new p/n: 3080-37 probe and re-torqued #3 oil drain back elbow. Repaired loose baffle at top aft of engine. Ran up, checked for leaks, all found satisfactory.

California Aero Marketing LLC
2155 - F South Mission Road
Fallbrook, California 92028-4404

T 760.731.2614
F 760.203.0422

Jeffrey W Holstein
A&P 3180354 IA

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N9298V TACH:4550.16 ACTT & Eng.TT SMOH:373.86 Date: 8/3/2016

Compression checks **#1** 78/80 **#2** 75/80 **#3** Replaced **#4** 75/80

Drained engine oil, inspected it and filter; nothing found. Replaced oil filter with new AA48110-2 and filled engine oil sump with 7 quarts of Phillips XC 20w50 oil. Complied with AD 2015-19-07 by inspection of fuel injector lines and reconfiguration of clamps IAW Lycoming SB 342E, DiagramNo. 3, Page 7 of 37; next due by 4650.16 ACTT (Not to Exceed 4660.16 ACTT) Replaced #3 cylinder assembly with overhauled steel cylinder assembly for Lycoming IO-360-A1A engine. Replaced both push-rods p/n: 73455 with serviceable and hydraulic lifter assembly 78290 with serviceable. Repaired and re-attached engine baffling loose parts. Removed, cleaned, gapped, inspected, and reinstalled spark plugs using new M674 gaskets. Checked magneto to engine timing. Replaced starting vibrator p/n: 10-176487-121 with new. Ran up, checked for leaks; all found satisfactory. ADs checked.

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

Jeff W. Holstein
A&P 3180354 IA

California Aero Marketing LLC
2155 - F South Mission Road
Fallbrook, California 92028-4404

T 760.731.2614
F 760.203.0422

DATE 19__	RECORDING TACH TIME	TO FL

B&G Aviation LLC
Georgetown Texas 78628 ph 512-864-7632
N9298V
SN#L-6636-51A
Date 8-25-2017

ACTT:4621.23
Tach:4621.23
TTE:4621.23
SMOH:444.93

1.Changed oil & filter serviced with 8 Qts Phillips 20W-50 new filter AA48110-2
2.Cleaned fuel & oil screens
3.Installed new air filter P/N BA6305
4.Compression Cks #1 79 #2 79 #3 79 #4 79 over 80 PSI
5.Cleaned gapped & rotated plugs
6.Installed 2 new spark plugs P/N UREM38E
7.C/W AD 15-19-07 fuel inj lines (visual) next due TTE 4721.23
8.Checked mag timing
9.Allroutine maintenance C/W
10.Washed & ground ran engine Ops Ck good no leaks noted
I certify that this engine has been inspected in accordance
with a 100hr inspection. In accordance with FAR part 43 appendix D
and was determined to be in an airworthy condition
This Engine is approved for return to service in
regards to Work performed.

David McCoy AP 3615278

$ Technician or Repair

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DATE	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
19				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair

CENTRAL TEXAS AVIONICS, INC.
217 CORSAIR DRIVE
GEORGETOWN, TEXAS 78628\

LOG BOOK ENTRY

DATE: 10-3-17
MAKE: Mooney

REG. #: N9298V
MODEL: M20E

A/C HOURS: 4622.04
S/N: 690067

F.A.R. 91.411

I CERTIFY THAT THE ALTIMETERS AND ALTITUDE REPORTING EQUIPMENT TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED ON 10-3-17.

THE LEFT ALTIMETER/ADC P/N 22-980 S/N 300 WAS TESTED TO 20,000 Ft.

THE RIGHT ALTIMETER/ADC P/N — S/N — WAS TESTED TO —.

THE LEFT PITOT/STATIC SYSTEM WAS LEAK TESTED ON 10-3-17. THE RIGHT PITOT/STATIC SYSTEM WAS LEAK TESTED ON —. THE SYSTEMS WERE FOUND IN COMPLIANCE.

WORK ORDER# 10253

TECHNICIAN for
CENTRAL TEXAS AVIONICS INC.
FAA REPAIR STATION #: C84R586N

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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

B&G Aviation LLC
Georgetown Texas 78628 ph 512-864-7632
N9298V ACTT: 4636.92
SN# L-6636-51A Tach: 4636.92
Date 10/5/2018 TSO: 460.62
I certify that this engine has been inspected in accordance
with a 100hr inspection. In accordance with FAR part 43 appendix D
Work accomplished as follows
1. Compressions are #1 79/80, 76/80, 78/80, 77/80
2. Cleaned gapped and rotated the sparkplugs
3. Replaced 2 bad spark plugs
4. Replaced the air filter BA6305
5. Changed the oil and filter serviced with phillips 20W50 and a new filter AA48110-2
Cut open the old filter and inspected.
6. Checked mag timing
This Engine is approved for return to service in
regards to Work performed.
Bradley D Gray A&P 3135226

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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.)

B&G Aviation LLC
Georgetown Texas 78628 ph 512-864-7632
N9298V ACTT: 4650.6
SN# L663651A Tach: 4650.6
Date 10/8/2019 TSO: 474.3
I certify that this engine has been inspected in accordance
with a 100hr inspection. In accordance with FAR part 43 appendix D
Work accomplished as follows
1. Compressions are #1 76/80, 75/80, 76/80, 76/80
2. Cleaned gapped and rotated the spark plugs
3. Installed a new air filter BA6305
4. Changed the oil and filter serviced with Phillips 20W50 and a new filter AA48110-2
Cut open the old filter and inspected.
5. Checked the mag timing
6. Complied with all routine maintenance
This Engine is approved for return to service in
regards to Work performed.
Bradley D Gray A&P 3135226

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DATE 19 ___	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
		B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632 N9298V TTE:4669.83 SN#L-6636-51A SMOH:493.53 Date10-7-2020 Tach:4469.83 1.Changed oil & filter serviced with 8 Qts Phillips 20W-50. New filter AA48110-2 2.Cleaned gapped & rotated plugs 3.Checked mag timing 4.Comp Cks #1 74 #2 74 #3 74 #4 74 over 80 PSI 5.Installed new air filter P/N BA-6305 6.All routine maintenance C/E 7.Ground ran engine Ops Ck good no leaks noted. I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition This Engine is approved for return to service in regards to Work performed. David McCoy AP 3[illegible]5278

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DATE 19 ___	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency
		B&G Aviation LLC Georgetown Texas 78628 ph 512-864-7632 N9298V SN# L-6636-51A ACTT:4673.63 Date 4-13-2022 Tach: 4673.63 TSO: 497.33 1.Changed oil & filter serviced with 8 Qts Phillips 20W-50 new filter AA48110-2 2.Cleaned gapped & tested spark plugs 3.Comp Cks #1 77 #2 77 #3 75 #4 78 over 80 PSI 4.Checked mag timing 5.CW AD 15-19-07 fuel inj lines (visual) next due TSMO 597.33 6.All routine maintenance CW 7.Ground ran engine Ops Ck good no leaks noted. I certify that this engine has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition. David McCoy A&P 3[illegible]5278

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DATE 19 ___	TOTAL TIME IN SERVIC	ncy

B&G Aviation LLC
Georgetown Texas 78628 ph 512-864-7632
N9298V
SN# L-6636-51A
Date 5-8-2023

ACTT: 4674.90
Tach: 4674.90
TSO:498.6

1.Changed oil & filter serviced with 8 Qts Phillips 20W-50 new filter AA48110-2
2.Cleaned gapped & tested spark plugs. Installed 1 new plug
3.Comp Cks #1 71 #2 73 #3 71 #4 74 over 80 PSI
4.Checked mag timing
5.Installed new #4 cylinder oil return line
6.All routine maintenance CW
7.Ground ran engine Ops Ck good no leaks noted
I certify that this ENGINE has been inspected in accordance with a 100hr inspection. In accordance with FAR part 43 appendix D and was determined to be in an airworthy condition.

David McCoy A&P 3[illegible]278

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DATE 19 ___	A.D. NUMBER	TOTAL TIME IN SERVICE	**Airworthiness Directives** Chronological Listing of Compliance and Method of Compliance

N9298V Tach 4676.79 Lycoming IO-360-A1A S/N L-6636-51A Date 01-18-2024
I certify that this engine has been inspected in accordance with a 100hr/Annual inspection and was found to be in a condition for safe operation. Cylinder compressions were 68/80, 65/80, 65/80, 68/80. Run and ops check good. All work competed in accordance with Mooney M20E maintenance manual.
Louis Dean A&P IA 3804378

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