



The Standard

ENGINE LOG

ASA-SE-1

The Standard Engine Log
SE-1

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ASA-SE-1

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Renton, WA 98059-3153



P N R A S A - S E - 1



9 781560 271659

Engine Record General Information

Manufacturer Lycoming Model IO-360A1ZA

Serial L-5774-51A Type Certificate S/N 690012 190168V

This engine is currently installed in aircraft Mooney M20F

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at 2000 hours

Maintenance Release

The aircraft, airframe, aircraft engine, propeller or appliance identified below was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repairs are on file at this repair station under Work Order # **44783**

Dated **4-5-95**

Inspected By *[Signature]*

Cert. #

SERVICEABLE

Name **Brooks Aero**
 Unit **Muffler**
 Aircraft **Mooney M-20** ID#
 Disposition **Repaired**
 Reason For Removal
 Removed By Date
 A D or Service Bulletins
 Work Performed

FAA Certificate No. **NJ5R069N**

DAWLEY AVIATION

140 INDUSTRIAL DR.
 BURLINGTON, WI 53105
 1-800-338-5420

TS

DATE	RECORDING TIME	REPAIRS
4-1	30.10	

DATE	RECORDING TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
4/1	30.10			R+R Engine oil w/ 8qts Quess Phillips x/c. Engines run - no leaks found - END -
				Knott Studio AP 219800350
				R+R Dry Air Pump with (1) P/N 011C overhauled by
				Probie Aviation - END -
				Knott Studio AP 219800350
4/10	7.2			
4/10	8.9			

Repaired front bottle brace. 12 pop gunner under bottle & hardware w/ (1) P/N 3-10
 bolt, (1) AN1310-3 nut, (2) P/N 10-10 washers, (1) AN1570-3 washers, (1) N53445-132
 cutter pin. Removed and cleaned all fuel screens and filters. Worked engine.

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.)
				36.6 Tech
				2740.7 Hrs. On <u>Aircraft</u> certify that this <u>Engine & Prop</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. A.D.s checked thru biweekly <u>95-05</u>
				Signed <u>Gray V. Voth</u> (A & P) <u>(M.A.)</u>
				No. <u>362626258 PA</u> Date <u>4-1-95</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.)
5-7-96	54.3		2758.4	Annual Inspection
				Inspected Engine & Prop As per MF6's Annual/100 Hr Maintenance Manual. Clean all Fuel Drains & Sumps. Clean Injectors. Clean & Lubricate Engine & Prop controls. CW AD 93-02-05 Injector lines - Due 100 Hrs Intervals or Annually. Next due at 2858.4 TT or 6-1-97
				clean & Gap Plugs. High Tension Test Plug wires. Check MAG Timing. Compression Test #1 $\frac{29}{80}$ #2 $\frac{26}{80}$ #3 $\frac{29}{80}$ #4 $\frac{29}{80}$
				pressure Test Exhaust. Repair spark plug wire Springs & B" Nuts. Repair Alternator wires & Install Rubber Insulators. Replace Air Filter with (1) BA-6305 Element. Remove & clean oil Screen. No metal found.

[illegible]

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.)
6-3-97	69.1		2773.2	Annual Inspection. - Inspected Engine & Prop as per MFG's 100 Hr / Annual Inspection Manual. Cleaned all Fuel Sumps & Drains. Clean Injectors & Inspect. Check MAG Timing. Clean & Gap Plugs. High Tension Test Plug wires. Pressure Test Exhaust. R&R #3 Exhaust Gasket with (1) RA 72611 Gasket. R&R Engine oil with 8 qt 20W-50 Phillips. Clean oil Screen & Inspect. Compression Test. #1 $\frac{25}{80}$ #2 $\frac{26}{80}$ #3 $\frac{26}{80}$ #4 $\frac{24}{80}$ AD 75-09-08 mount Inspection due at 2858.4 H Engine & Prop were Test Run & Flown. all RPM's, Pressures, & Temperatures within MFG's Specs.

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.)
Returned to Service Airworthy.				
69.1 Tach 2773.2 Hrs. On <u>AIRCRAFT</u> I certify that this <u>Engine & Prop</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. A.D.s checked thru biweekly <u>97-10</u> Signed <u>Benny V. Zott</u> (AEP) (IA) No. <u>362626258TA</u> Date <u>6-3-97</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.)
8-11				AD 97-15-11 Piston Pin Installation not Performed on this aircraft since Dec. 15, 1995 - <u>owner</u> 90681
7-18	83.0		2787.1	Annual Inspection clean all Fuel Sumps & Drains. clean and lube all controls. Check MAG Timing. High Tension Test Plugwires. clean & Gap Plugs. Compression Test #1 <u>25</u> / <u>80</u> #2 <u>28</u> / <u>80</u> #3 <u>29</u> / <u>80</u> #4 <u>30</u> / <u>80</u> . Pressure Test Exhaust. Clean Injectors. R&R Engine oil with 8 qt 20W-50 phillips. clean oil Screen. Repair Rivets on oil cooler Bracket. Repair Ground Strap on Alternator. Engine & Prop were

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.)
				Test Run. all Temperatures, Pressures, & RPM's within MFG Specs. Returned to Service Airworthy.
				83.0 Tach
				2752.1 Hrs. On <u>AIRCRAFT</u> I certify that this <u>Engine & Prop</u> has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. A.D.s checked thru biweekly <u>98-12</u>
				Signed <u>Bruce V. Zuck</u> (AEP) (I.A.)
				No. <u>362826258 IA</u> Date <u>7-1-98</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.)
8-19-98	84.0	Tach		R & R Alternator & voltage Regulator with Overhauled units. Alternator Replaced with A by 8420 R, serial # 8072832. Regulator replaced with OECO model 20082 Serial # 1963. ops check of Fuel load Electrical system within MFG's Specs & mounted 36504R

DATE 18 ____	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.)
8-2-99	93.2	2797.3	11	Annual Inspection clean all Fuel Sumps & drains. clean & lube all Engine & Prop controls. check MAG Timing. High Tension Test Plug wires. clean & Gap Plugs. Compression Test- #1 ²² / ₈₀ #2 ²⁸ / ₈₀ #3 ²⁸ / ₈₀ #4 ⁸⁰ / ₈₀ . Pressure Test Exhaust. clean all Injectors. CW AD 93-02-05 Injector Line Inspection. Due Annually or 100 Hrs. Replace Clamp on Ram Air cable- Adjust. clean & profile Prop. Inspect Prop for cracks, nicks, & leaks. Tighten Rocker Arm Covers to stop minor oil leaks. Adjust position of Heat Shrouds. Engine & Prop

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.)
				were Test Run & Flown. All RPM's, Temperatures, & Pressures within MFG's Specs.
				93.2 Tach
				2797.3 HRS ON Aircraft I certify that this Engine and Prop has been inspected in accordance with an Annual inspection and was determined to be Airworthy.
				By V. Zott 3626262581A 8-2-99

DATE 2000 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.)
9/18/00	103.7		2867.8	Inspected & lubed engine IAW manufacturer's MAINT manual. Removed, cleaned & reinstalled spark plugs, tightened loose bolt on oil pan, replaced Air filter element with Bosch # 6305. Performed Comp Check. #1 $78/80$ #2 $77/80$ #3 $77/80$ #4 $78/80$. Worked down engine & components. Replaced Alternator belt with Gates 15375. Dressed Propeller. Run up engine all temps & pressures ok good. No leaks noted.
			2807.8	Hrs. On Aircraft I certify that this Engine & Propeller has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition. A.D.s checked thru biweekly 2000-17
				Signed <u>[Signature]</u> (A & P) (I.A.) No. <u>374726515</u> Date <u>9/18/00</u>

DATE 19 2001	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.)
12-24-01	105.2			Inspected engine, prop and accessories IAW Manuf. man. Removed, cleaned, gapped and reinstalled spark plugs. Inspected mag points and gears and checked timing. Inspected oil screen and serviced engine w/ 8qts 20W50 oil. Serviced all engine controls. Lubed prop. Lube cond flaps. Repaired spinner nutplates and installed new fasteners. Compression check: #1 $76/80$ #2 $77/80$ #3 $76/80$ #4 $75/80$. Tightened misc. fasteners. Inspected fuel injection lines. Inspected all engine wiring and indicator sensors. Inspected exhaust for leaks and cracks. All recurring AD's complied with. I certify that this engine and propeller have been inspected IAW an annual inspection and were determined to be in airworthy condition. An engine run was conducted w/o defect. AD's current through 12-01. Kenneth Stuck 20522350 APTA

Centennial Aircraft
Reg. #: N9068V
Tach: 108.2

1. Completed 1
 2. Complied with
Lyc SB342D,
reclamped all
work
 3. AD2001-07-0
 4. AD2001-23-0
 5. AD2002-09-0
blade S/N's F
 6. AD2003-01-0
 7. AD2003-06-0
 8. Drained oil, o
 9. Compressions
 10. Installed new
S/N 0303049
 11. Installed ignit
 12. Replaced 4 e
- CONTINUED

3. Replaced #3 C
4. Fabricated and
firewall from 5
5. Replaced term
6. Replaced engi
7. Post inspection

certify that this engine was inspected in accordance with an Annual inspection and found to be in an airworthy condition.

This engine was repaired and inspected in accordance with the applicable manufacturer's maintenance manuals and current Federal Aviation Administration regulations, and only that work performed is approved for return to service. Pertinent details are on file at this repair station under Work Order # SO-03-1239.

Robert Holdridge
Robert Holdridge
Centennial Aircraft Services, Inc.,
Battle Creek, MI 49015

DATE: 7-23-03
CRS # W2OR467Y

or Repair

WARNING

- When installing drive/gear/driver onto magneto, torque nut provided to 120 to 320 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

RH

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Union Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR Magneto, see L-1500 Manual.

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. 4370
Magneto Serial No. 03030497
Date of Installation 6-17-03
L-1543

DATE

19__

Reg. #: N9068V
Tach: 116.4

Make: Lycoming
Total Time: 2820.5

Model: IO-360-A
SMOH: 349.6

Serial #: L-5774-51

Technician or Repair

- Completed Annual inspection per Mooney M20F Series Maintenance Manual and Lycoming Operators Manual.
- Complied with AD2002-26-01 by inspection of fuel injection lines per Lycoming SB342E. Next due 9/05 or at fuel injection work
- Compressions: #1 75/80 #2 74/80 #3 76/80 #4 75/80
- Drained oil, cleaned screen. Serviced with 8 quarts Aeroshell 15W50.
- Dressed propeller blades.
- Adjusted idle mixture and speed.
- Post inspection run up and leak check good.

I certify this engine has been inspected in accordance with an Annual Inspection and was found to be in airworthy condition.

This aircraft was repaired and inspected in accordance with the applicable manufacturer's maintenance manuals and current Federal Aviation Administration regulations, and only that work performed is approved for return to service. Pertinent details are on file at this repair station under Work Order # SO-04-1383

Robert Holdridge
Robert Holdridge Chief Inspector
Centennial Aircraft Services, Inc., 2850 Territorial Road West
Battle Creek, MI 49015

DATE: 9/20/04
CRS # W2OR467Y

DATE 2006	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE AIC	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.)
050506	1217		2825.87	354.9 smc H Annual Inspection
				Inspected Engine & Prop As per MFG's maintenance manuals. Inspect Injection lines As per AD 2002-26-01
				NEXT due Annually or at line work. Cleaned all Sumps & Drains. Pressure Test Exhaust. compression Test.
				#1 $\frac{28}{80}$ #2 $\frac{26}{80}$ #3 $\frac{29}{80}$ #4 $\frac{27}{80}$. R&R Air Filter with Bracket BA 6305. Clean & Gap Plugs. Clean & Inspect Prop Blades & Hub for leaks, cracks, & corrosion.
				Lubricate as necessary. Engine & Prop were Test Run - Aftt RPM's, Temperatures & Pressures within MFG's specs

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.)
				0121.7 Tach
				2825.87 Hrs. On Aircraft
				Engine & Prop has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.
				A.D.s checked thru biweekly 1217 05-05-06
				Signed <u>Walt Gray</u> (AEP) (IA)
				No. <u>342448183</u> Date 1217 05-05-06

DATE 2007	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.)
11-10-07	0126.9		2831.0	TT AIRFRAME 360-1 SMOH Inspected Engine & Prop as per MFG's Maintenance Manuals. Inspect Injector Lines AS PER AD 2002-26-01 - Due next Annual, 100 hr Inspection, Engine overhaul or when maintenance is done on injector lines. cleaned all Sumps & drains. Inspect Exhaust System. Compression Test #1 $\frac{28}{80}$ #2 $\frac{27}{80}$ #3 $\frac{27}{80}$ #4 $\frac{29}{80}$. R&R AIR FILTER with BRACKET BA6305. Clean & Gap Plugs. High Tension Test Plug wires. Clean & Inspect Prop Hub & Blades for leaks, cracks, & corrosion. Lubricate Prop as needed. AD 2006-18-15 Eddy Current Inspection due at 2880 TT AIRCRAFT. Test Run Engine.

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.)
				ALL RPM's, Temperatures, & Pressures within MFG's Specs 0126.9 Tach 2831.0 Hrs. On Aircraft I certify that this Engine & Prop has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. A.D.s checked thru biweekly 11-10-07 Signed <u>J. J. J.</u> (A&P) (IA) No. <u>MP342448183</u> Date <u>11-10-07</u>

DATE 2014	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.)
7/22	133.4	tach		Installed overhauled vacuum pump, P/N 211CC, S/N 160062. Performed ground run & indication checks: OK
				TSS F8
				3076935 AOP
02/5/15	151.2 Tach			Changed oil, cleaned oil screen - serviced w/ Phillips XC. cleaned/gapped / Rotated plugs, checked compression: #1-78, #2-76 #3-79 #4-79 / psi. changed Air Filter, checked mag timing. Removed RH mag, disassembled, inspected. Assembled mag, set internal timing to fire at E Gap, timed mag to Engine. Replaced all valve cover gaskets.
	384.4 TSMH			

cont →

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.)
	cont →			c/w AD 2011-26-04 by Inj line Inspection - replaced #2 cylinder line w/ New LW 12098-0-210 - due again by 251.2. Performed Run-up/leak check
				I certify that this <u>Engine</u> has been inspected I/AW an Annual Inspection and was determined to be in airworthy condition
				<u>Samuel Matus</u> IA 2609877
3/17/15	175.7	Tach		Changed oil & cleaned oil screen & serviced w/ Phillips XC. Performed run-up/leak check
				<u>Samuel Matus</u> A/P 2609877

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.)
5/7/15	217.5	Tach		changed oil & cleaned screen serviced w/ phillips xc. Performed run-up/leak check <i>[Signature]</i> MNT 260987



Mountain Side Aviation, Inc: N9068V, Engine:

05/29/15 Tach: 217.5

Changed oil, cleaned screen, serviced with Phillips XC. Replaced starter with Sky-Tec 149-NL starter S/N FN-111576. New weight and balance computed and added to aircraft records. Removed fuel injector and sent to Airflow Performance for overhaul (see yellow tag dated 5/19/15). Injector re-installed, all controls adjusted as needed. Performed run-up and adjusted mixture/idle mixture as needed.

[Signature] A&P 2609877

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.)
				FAA - PMA This tag certifies that Sky-Tec Model No. <u>149-NL</u> Serial No. <u>FN-111576</u> was manufactured new on <u>19 Mar 2015</u> by Sky-Tec under the authority of FAA-PMA No. PQ0852SW Supplement No. <u>7</u> in accordance with Sky-Tec's FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to be airworthy. For installation eligibility see www.skytecair.com/eligibility.htm Installed on <u>N 9068V</u> by <i>[Signature]</i> (Aircraft) (Mechanic) Form CC1108-1

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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AIRCRAFT AVIATION SERVICES.
JACKSON COUNTY AIRPORT { 19A }
706-367-5794 OR 706-540-1895

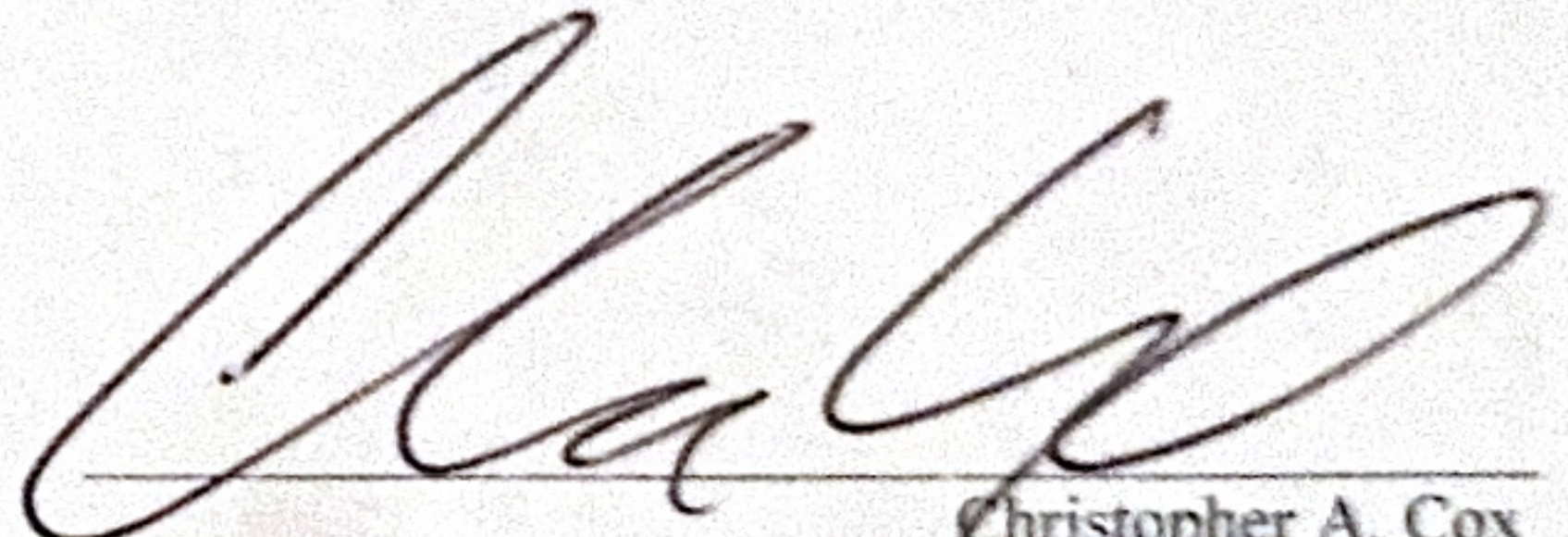
DATE: August 6, 2015
 REG. NO: N 9068V

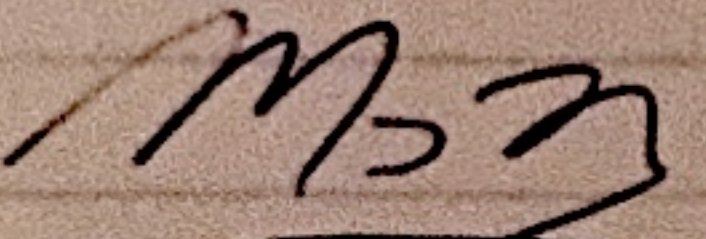
TACH TIME: _____
 MODEL: MOONEY

REMOVE TOP COLWING. DRAINED OIL AND CLEANED OIL SCREEN.
 FILLED WITH AERO PHILLIPS 20W/50 AND REINSTALL SCREEN WITH NEW GASKET. .
258969139 A/P

DATE 19__	N9068V December 1, 2015 Tach: 265.0	Repair
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1. Removed engine due to #3 cylinder shearing 6 of 8 hold down studs.
2. Disassembled engine and sent engine case to Divco WO # 112444, all other parts sent to Aircraft Specialties Services WO # 232650.
3. Sent all 4 cylinders to Graham aircraft engines to be checked, #3 cylinder failed and serviceable cylinder purchased by owner. Cylinders # 1, 2, & 4 honed and new rings installed see WO # 15_168.
4. Assembled engine per Lycoming 60294-7 Direct Drive Overhaul Manual.
5. Installed engine on aircraft ground idle test, leak checked and test flew aircraft for engine break-in.
6. Installed new 211CC vacuum pump
7. Following S/N installed in engine;
 cylinder 51168-1, 15168-2, 15168-3, 15158-4, & P/N for all 74974,
 crankcase L-5774-51A,
 crankshaft S140675-1,
 camshaft S232650-2,
 rods S232650-3,
 lifters (5) SN ASR-1950 (3) SN ASR-1951.


 Christopher A. Cox
 2741962 A&P

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVIC	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.)
				14 Mar 2016 N9068V
				Tach: 274.0
				Inspected engine IAW a 100 hr inspection. Drained oil and cleaned oil screen. Serviced engine with Aero Phillips 20W/50 and reinstalled screen with new gasket. Removed, cleaned, gapped and reinstalled spark plugs. Compressions as follows, #1 77/80 #2 76/80 #3 78/80 #4 76/80. Replaced #2 cyl intake gasket. Performed ops and leak check. No leaks noted. All applicable AD's compliance record is located in the AD compliance worksheet. I certify that this engine has been inspected IAW a 100 hr inspection and was found to be in airworthy condition.
				 M. Wilson A&P 3112643

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.)
				3-17-2016 TACH 274.0 Engine T.7 507.2
				ACFT 2978.1 I certify that this Engine
				has been inspected IAW an 100 hour Inspec
				tion and was found to be airworthy.
				James W. Bobb
				JA 1723182
				4/25/16 313.7 oil change by owner, 8 qts EXP 3-17
				Aero Phillip 20W/50 + Cam Guard, leak chke ok, cleaned all screens
				Wall Ranger, Owner, Pilot Cert # 2828822

DATE 28 16	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.)
12/12/16	344.0			DRAINED OIL. REMOVED, INSPECTED AND REPLACED OIL SCREEN WITH NEW CRUSH WASHER. SERVICED ENGINE WITH 8 QTS PHILLIPS 66 XLR 20W-50 AND 250 ml CAM GUARD OIL SUPPLEMENT. OIL SAMPLE SENT TO AVALAB FOR ANALYSIS. ENGINE RUN & LEAK CHECKED; NO LEAKS FOUND. ALL WORK PERFORMED IAW RECOMING SVC. PROCEDURES. THE ENGINE IS OK TO RETURN TO SVC. IN ACCORDANCE WITH VORT PERFORMED.
owner's calculating { 577.2 5MOH 3048.1 TTAF				
Owner: Alex Riberson, 2828822				

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.)
4-1-2017	TACH 370.9	ACT. 7	3075.0	Eng. 7 6/4.1
Sinc Rebuild 105.0 completed 100 hour inspection				
checked compression #1 80/76 #2 80/77 #3 80/78				
#4 80/76 AD checked & certify this engine has				
been inspected IAW an 100 hour inspection and was				
found to be airworthy condition Jans W Bat				
OFA 1723182				
7-4-2017	TACH 387.5	changed oil		
Phillip 66 20W/50 checked screen and cleaned				
leak check OK. Replaced voltage Reg				
20082 with Zep + VON FOS voltage Reg R1530B				
Run-up OK Jans W. Bat				
AD ATZ 318				

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.)
4-17-2018	N 9068V	TACK 419.3	Eng T.T 555.6	Since Rebuilt 153.4 Completed 100 hour inspection. Check Compression #1 80/80 #2 80/80 #3 80/80 #4 80/10. Changed oil & cleaned screen, oil Phillips 20-50 add AVbond. I certify that engine has been inspected IAW an 100 hour inspection and found to be airworthy. James W. Botz FA 1723182

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.)
5-1-2019	N 9068V	TACK 457.1	Eng T.T 593.4	Since Rebuilt 191.2 Completed 100 hour inspection, check compression #1 60/80 #2 80/80 #3 80/80 #4 80/14. Changed oil & cleaned screen oil Phillips 20-50 add AVbond. I certify that this engine has been inspected IAW an 100 hour inspection and found to be airworthy. James W. Botz FA 1723182
11-1-19	N 9068V	TACK 513.4	Eng T.T 619.3	Since Rebuilt 217.1 checked Compression #1 80/80 #2 80/80 #3 80/99 #4 80/14. Changed oil & cleaned screen served Phillips 20-50 and add AVbond. James W. Botz FA 1723182

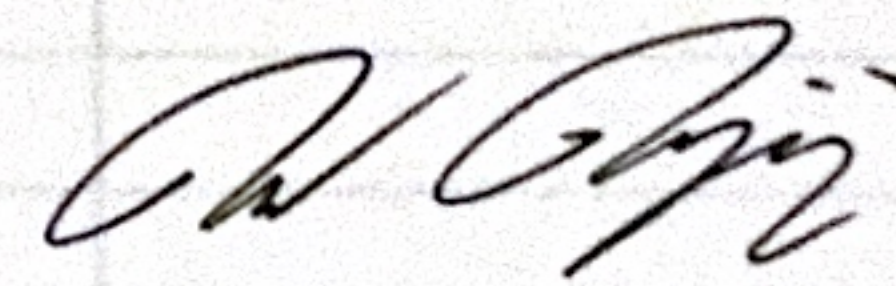
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-1-2020	N9068V	TACK	496.8	Engine since Rebuilt 230.9 Compression #1 $\frac{80}{80}$ #2 $\frac{80}{80}$ #3 $\frac{79}{80}$ #4 $\frac{74}{80}$ Completed 100 hour Inspection I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be airworthy James W. Bates IA1723182
10-19-2020	N9068V	TACK	519.5	Eng since Rebuilt 253.6 T.T. 5.1 H 655.8 checked Compression #1 $\frac{80}{80}$ #2 $\frac{80}{80}$ #3 $\frac{80}{80}$ #4 $\frac{80}{80}$ Changed oil and checked screen Phillip 20-50 and Add AV Bend. 210 mwd and check Fuel Injectors, Clean + gapped Plugs James W. Bates ATP 1723182

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.)
5-1-2021	N9068V	TACK	534.7	Engine since Rebuilt 291.5 TT 504 693.7 check muffler, check and cleaned fuel injectors, cleaned + gapped Plugs Removed Propeller and Reinstalled Propeller. Changed oil Phillip 20W-50 cleaned screen 3 AV-Bend Installed new Alternator Belt Installed new Engine Pre-heater 07-05210. I certify that this engine has been inspected I/A/W an 100 hour inspection and found to be airworthy James W. Bates IA1723182

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.)
11-09-2021		N9068V	TACK 572.6	Drained all checked oil screens and cleaned. Serviced with Phillips 20W-50 added AV Blend.
05-07-2022		AP 1723182	James W. Bates	
05-1-2022		N9068V	TACK 596.0 ETSB 342.8	
	RTT 745.0			Inspected Engine IAW at 100 hrs Inspection. Replaced Air Filter BA-6305 Compression #1 17/80 #2 17/80 #3 17/80 #4 17/80 checked A0 performed Run up and leak check. I certify that this engine has been inspected with 100 hour and WAS found to be in an airworthy condition JA 1723182 James W Bates

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.)
MAY 11-2022		N9068V	TACK 596.0	
July 21 2022			TACK 610.8	Time since Rebuilt 357.6 TSO 759.8 Drained oil, checked oil screens and cleaned. Serviced with Phillips 20W-50, added AV Blend. leaked Checked. James W Bates AP 1723182
3 February 2023 Tachometer time 622.0. Kelly overhauled 4347R magneto installed and timed to the				
JWB				

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.)
5-6-2023				N9068V IO360 S/N L-5774-51A Completed 100 hour Insp / Annual Inspection TACK 626.9 T.TAC 3318.8 TT since OH 773.7 Time since Rebuilt 371.5. Checked A.D.'s & certify that Engine has been inspected with Lycoming service manual and was found in an airworthy condition James W Bates EAA #723182

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.)
September 30 2023				N9068V Mooney M20F Lycoming IO-360-A11
				Engine was inspected for an annual inspection in accordance with manufactures service manual. Run and Leak check OK. Gapped and tested Spark plugs. Compression test #1:78 #2:79 #3:78 #4:78 Drained oil removed oil filter and oil screen cleaned oil screen no metal found. Serviced oil system With 7 quarts Phillips 20w50. I certify that this engine has been inspected in accordance with an annual inspection and were determined to be in airworthy condition.
				Ted Tippin A&P3799795 IA 



TACH:636.8 AFTT:3328.7
SN:690012
SN:L-5774-51A SMOH:381.4

n or Repair

DATE

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(937) 644-2055

N9068V
13Sep2024

Engine: Lycoming
Model: IO-360-A1A
Serial No: L-5774-51A

Tach: 688.8
ESOH: 912.9
ETT: 3392.92

Engine annual inspection completed IAW FAR43 Appendix D and manufacture's recommendations. Changed oil and filter using 7qts Phillips 20w-50 X/C oil and Tempest AA48110-2 filter. Spark plugs cleaned, gapped, tested and rotated.

1. Compressions: #1- 79 | #2- 72 | #3-76 | #4- 72
2. Replaced cylinder #4 pushrod tube seals with new PN: SL18661.
3. Installed safety cable on lower outer inner cylinder baffles.
4. Replaced crankshaft front oil seal with new Lycoming PN: LW-13792 IAW Lycoming Service Instruction No. 1324D.
5. Replaced cylinder #4 intake pipe with used serviceable Lycoming PN: 74634.
6. Installed Heli-coil insert in cylinder #4 intake pipe mounting hole in cylinder.
7. Replaced all cylinder intake pipe gaskets and O-rings with new PNs: SL71973 and SL74712.
8. Replaced cylinders #2/4 inner cylinder baffle hook with new Superior PN: SL71610.
9. Replaced oil filter screen and housing with Donaldson spin on adapter PN: 204418-156 using new gasket PN: 06B23862, new oil bypass valve gasket PN: 76510, and hardware.
10. Replaced loose crankshaft propeller mounting nut bushing with new Lycoming PN: 72062-S-P05.
11. Replaced all cylinder oil return hoses with new Superior PN: SL-STD-2180.
12. Reinstalled right magneto data plate using new hardware.
13. CW AD90-04-06R1 "Prop Governor Oil Line" by replacement of governor oil line with new Lycoming PN: 75730 and oil line support clip and hose with new Lycoming PNs: 75165, STD-1930.
14. CW AD2015-19-07 "Injector Lines" by inspection and replacement of Adel clamps on cylinders #2, #3, and #4 fuel injection lines. Next Due: 3502.92 AFTT.

ADs checked through issue 2024-18. Engine ground run to spec and leak check satisfactory. I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

GASA Gregory Churchill AP38768411A

End-

DATE

19



(937) 644-2055

N9068V
14Oct2025

Engine: Lycoming
Model: IO-360-A1A
Serial No: L-5774-51A

Tach: 724.7
ESOH: 948.8
ETT: 3428.82

Engine annual inspection completed IAW FAR43 Appendix D and manufacture's recommendations. Changed oil and filter using 7qts Phillips 20w-50 X/C oil and Tempest AA48110-2 filter. Spark plugs cleaned, gapped, tested and rotated.

1. Compressions: #1- 78 | #2- 72 | #3-79 | #4- 74
2. Removed and reinstalled right Slick magneto PN: 4376 SN: 03030497 for overhaul by Professional Aircraft Accessories (WO# 65601).
3. Removed, cleaned, inspected, and reinstalled all fuel injectors and fuel injection lines.
4. Replaced fuel servo inlet strainer assembly with new Precision Airmotive PN: 2537608-F.
5. Adjusted idle speed and mixture to spec.
6. Adjusted propeller governor low pitch high speed stop to engine max rpm spec.
7. Replaced spark plugs on cylinders #1 bottom and #2 top with new Tempest PN: UREM38E.
8. Replaced oil cooler with new Aero-Classic PN: 8001689 SN: 550.
9. Installed safety cable on lower left outer inner cylinder baffles.
10. Replaced cylinder #1 intake pipe with used serviceable Lycoming PN: 78741 using new gasket and O-ring PNs: 71973, 77569.
11. CW AD2015-19-07 "Injector Lines" by inspection and replacement of Adel clamps on cylinders #2 and #4 fuel injection lines. Next Due: 3538.82AFTT.

ADs checked through issue 2025-20. Engine ground run to spec and leak check satisfactory. I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

Gregory Churchill AP38768411A

End-

