

6894 N

AIRCRAFT LOG
AF5-1

01/11/2018

AIRCRAFT DESCRIPTION

MANUFACTURER <u>MOONEY</u>	MODEL <u>M20C</u>	DATE OF MFG. _____
SERIAL NUMBER <u>680164</u>	REGISTRATION NUMBER <u>N6894N</u>	
REGISTERED OWNER <u>BWIN Moss KAPLAN</u>		
STREET ADDRESS _____		
CITY, STATE, ZIP _____		
OPERATOR _____		
STREET ADDRESS _____		
CITY, STATE, ZIP _____		
REGISTERED OWNER _____		
STREET ADDRESS _____		
CITY, STATE, ZIP _____		
OPERATOR _____		
STREET ADDRESS _____		
CITY, STATE, ZIP _____		

Inspection Status

[Check one]

☐ F.A.R. 91.169 ANNUAL/100 HOUR

☐ F.A.R. 91.71 PROGRESSIVE

☐ F.A.R. 91.217 SUBPART D

☐ F.A.R. 135.60 A.T.C.O.

☐ OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

01/11/2018

MAINTENANCE RECORD

F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
Tach 2653.47		Installed new RCA DG in Pilot's position using Original fittings & hoses Ops & ground	

Transponder Certification

Merlin's Avionics Service Tel: (615) 305-1186
307 Roberta Drive Hendersonville, Tennessee 37075
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 4323 Acft.Reg.No. N6894N
Aircraft Type Mooney Txpond Position #1
Txpond P/N# KT76A S/N#

Check Box if Mode S ()

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.

Date 6-15-15

Signed [Redacted Signature]

01/11/2018

F.A.R. 43.9

AFT SN# <u>680164</u>			TACH <u>2698.99</u>		
Altimeter/Static System Certification					
Merlin's Avionics Service Tel: (615) 305-1186 307 Roberta Drive Hendersonville, Tennessee 37075 FAA CRS#Z6MR586Y MAS Form #4			Work Order No. <u>4323</u> Acft.Reg.No. <u>N6894N</u> Acft Type <u>Mooney</u> Altimeter Position _____ Altimeter P/N# _____ S/N# _____ Date <u>6-15-15</u> Signed _____		
Altitude	Reading	Tol	Altitude	Reading	Tol
-1000	-1000	20	14,000	13980	100
0	0	20	16,000	15970	110
500	500	20	18,000	17975	120
1000	1000	20	20,000	19960	130
1500	1500	25	22,000	/	140
2000	2000	30	25,000	/	155
3000	3000	30	30,000	/	180
4000	4005	35	35,000	/	205
6000	6000	40	40,000	/	230
8000	7990	60	45,000	/	255
10,000	9980	80	50,000	/	280
12,000	11980	90			

Friction	Tol	Press	Diff.(Tol. 25 Ft.)
1K	+20	28.10	-1727 -1727
2K	+20	28.50	-1340 -1340
3K	+15	29.00	-863 -863
5K	+20	29.50	-392 -392
10K	+20	29.92	0 0
15K	+15	30.50	531 531
20K	+10	30.90	893 893
25K	/	30.99	974 974
30K	/		
35K	/		
40K	/		
50K	/		

Case Leak (FPM Tol. 100 Ft.) 0	After Effect (Tol.30 Ft.) +10
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Hysteresis: 1st Test Point @ 50% of Max.Alt.(Tol.75 Ft.) +20	2nd Test Point @40% of Max.Alt.(Tol.75 Ft.) +15
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This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

DATE OF COMPLETION	ACTIVITY
6-1-2015	Cuphead & Mooney & lured. Replaced & service step after of rib. Bombing rivets edges of. Used a this area to be

01/11/2018

F.A.R. 43.9

F.A.R. 43.9

01/11/2018

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
7-6-2016	2801.40	Annual inspection completed this date using the Mooney Service Manual. All A/D's G/W. All controls inspected and lubed. ELT tested good. ELT battery not available at this time. I certify that this aircraft has been inspected in accordance with FAR 43 and was found to be in airworthy condition and was found to be in airworthy condition at this time.	
N6894N			
Mooney			
#680164			
M20C			
8-4-2016	2810.55	Replaced ELT BATTERIES ULTRALIFE LITHIUM PH# 11-14548 LOT# 30-17748	
1-13-2017	2862.43	INSTALLED NEW CONCORD BATTERY RG35AXC PH# 11-03882 AIRCRAFT SPRUCE SW# 41933102	

DATE OF COMPLETION	
8-1-2017	
Performed	
M20	
Rebuilt	
Props.	
& Gear	
battery	
swt 1A	
Pro 3	
improper	
found	

01/11/2018

MAINTENANCE RECORD

F.A.R. 43.9

TE NO. ED TO SERVICE	DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	8-1-2017	N6894W	Tach : 2895.49	
tested time.			Performed 100 Hr./annual inspection per Mooney	
inspected			MCO Service manual:- Inspected aircraft + Run gear	
D			Rebuilt both Brake calipers + Install of new Brake	
dition			Pads. Lubed all cables, pullers, Control Rods	
IUM			& Gear Actuator moving parts. Replaced ELT	
			batteries + ops checked. Serviced Brake system	
			w/ Hyd. All work performed per FAR 43,	
			Prn 3 APP-D - I certify this airplane was	
			inspected I am an annual inspector +	
			found to be airworthy at this time.	
			[Signature]	
			[Redacted Signature]	
			[Redacted Signature]	
			[Redacted Signature]	

01/11/2018

2961 Engine disass
Lycoming Ov

AIRCRAFT DESCRIPTION

Manufacturer Mooney Place _____ Date 6-21-68
 License No. N6894N Type M-20C Serial No. 680164
 Description _____

Reconstructed By _____ Place _____ Date _____
 Seating Capacity (Crew Included) _____ Weight Empty _____ Weight Loaded _____
 Wing Area _____ Sq. Ft. Control Area _____ Sq. Ft. Span _____ Length _____
 Tires Main _____ Tire Tail _____ Brakes _____

Owner IRWIN MOSS KAPLAN Address _____
 City _____ State _____

Propeller HARTZELL
 Blade Design F766A-2
 Pitch High 29° Low 13°

Engine Lycoming
 Rated H. P. _____
 Receiver _____
 Transmitter _____
 Generator _____
 Starter _____
 Power Unit _____

01/11/2018

EQUIPMENT DESCRIPTION

Date	6-21-68	Propeller	HARTZELL	Hub Design	^{Model} HC-CZYK-1BF	Hub Serial No.	CH 4557
Serial No.	680164	Blade Design	F 7666A-2	Blade Serial No.	(1) C14319	Blade Serial No.	(2) C16925
		Pitch	High 29° Low 13°	Width		Diameter	
Date		Engine	Lycoming	Model	0-360-	Serial No.	L-12902-36A
Rated H. P.				Bore		Stroke	
Receiver				Model		Serial No.	
Transmitter				Model		Serial No.	Output
Generator				Model		Serial No.	Amp. Volt
Starter				Model		Serial No.	Volts
Power Unit				Model		Serial No.	Volts

01/11/2018

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER LYCOMING MODEL O-360-A1D

SERIAL L-12902-36A TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT MOONEY M 20C N 6894N
S/N 680164

MINIMUM OCTANE FUEL _____ OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME _____ POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

Irwin Moss Kaplan

The Standard



ENGINE LOG

01/11/2018

01/11/2018

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/7/13	2359.38			Removed Engine. Sent to Aircraft Engine Works for inspection of Drive Gear and 1A/w A/D 04-10-14 C1 See entry this page Dated 8-2-13. Reinstalled Engine, all was MA/w maintenance manual. Rev & Tank Checked. Serviced Aeroshell W100. Installed New Air Filter. [REDACTED]
9-6-2013	Tach 2385.50			Chg 30 Heavy Oil & Filter change Added 8 quarts Aeroshell 100 W 50 Tightened & Sealed Oil Trap cover plug. Secured all loose wiring Re-adjusted Lower Bottle tension Rods with new nuts. [REDACTED]

ND ALTERATIONS
RTIFICATE NUMBER OF
ER SPECIFIC ENTRIES.)

CHAMP

AMP
MULTI-GRADE
OIL

Pump
u Dave

70347

vents
210 oil

Am
87

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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4-8-15
19

2676.55

Changed oil & filter. Added 8 quarts aero
Shell 15450 oil. Changed CH48/110 After.
Repaired breaker. "P" lead connector to right
mag. Run & leak checked Good.

6-1-2015 Tach 2698.99 Eng TT 2698.99

Performed 100 Hr/Annual inspection. Removed complete ex-
haust system & sent to Downley Aviation for overhaul.
Reinstalled using new no-blow Gaskets & Hardware.
Compression #1-76 #2-78, #3-76, #4-77 Replaced induction
air filter element. Installed 4 new plugs in top position.
Checked & gapped Bottom Plugs. Run & ops checked OK.
Today this engine was inspected, IAW on annual
inspection & found to be airworthy at this time.

2018

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1915				
10-2	273102			Changed oil & filter at this time. Added 8 quarts Phillips xC 20W50 oil. Soaked filter. Installed E-Z Heat Engine Heat-ped on oil sump PN-07-05200, Model #, 441 Ops ✓ Good
12/29	27620			CHANGED OIL & FILTER 48110 i-L 8 QTS mobile 20-40
2016				
10/24	283439			OIL & FILTER CHG 20-50W 8 QTS 48110 Champion Filter

DATE	RECORDING TACH TIME
2016	
6-16	2799.1
N6894N	
0-360-A1D	
L-36450-3	
2017	
4-12-17	2878
5-15-20	
Re	
AN 43	
unwired	
Rok +	

2018

CTIONS
NUMBER OF
ENTRIES.)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2016				
7-6-16	2799.13			Annual inspection completed this date.
N6894N				Cleaned and gapped all spark plugs.
0-360-A1D				Compression check #1 74/80 #2 75/80 #3 74/80 #4 74/80
L-36450-36A				Changed oil and filter. Serviced with 8 qts Phillips 20W50. I certify that this engine has been inspected I/A/W an annual inspection and FAR 43 app. D and was found to be in airworthy condition at this time.
2017				
4-12-17	2885.0			Oil & Filter JH. 48110-2 Filter & 8 QTS Mobil 20-50
5-15-2017	Tach 2885.0			Replaced Rt magneto with new O/H magneto PN 4370, SN F04067 & timed. Installed new wiring harness on Both Magns. Cleaned & Gapped Plugs. Ran & ops. Checked Good. Test Flight. Performed

11/11/2018

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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8-1-2017 N6894N Tach: 2895.49

Performed per annual inspection per Lycoming
service manual. All compressors Above 70psi.
Changed oil & filter. Replaced induction air
filter. Cleaned, gapped & test all plugs. All
work performed per FAR 43, Part D, par 3.
I certify this engine has been inspected
I am an annual inspection & must be
currently at this time

CHANGED OIL & FILTER ON ABOUT 8075 20W50
Plugs & TEMPERATURE FILTER

01/11/2018

DATE 19__	RECORDING TACH TIME
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