

AIRCRAFT DESCRIPTION

MANUFACTURER MOONEY MODEL M20C DATE OF MFG. 1966

SERIAL NUMBER 3402 REGISTRATION NUMBER ~~A3432X~~ N113TA

REGISTERED OWNER SHEILA McMAHON DELETED

STREET ADDRESS BARNES AIRPORT

CITY, STATE, ZIP WESTFIELD MASS

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

Tom SGT/MP

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 Feb 12 75

MAINTENANCE RESPONSIBILITY

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	L-9745-36A	10-360-A1A	R
PROPELLER	Hartzell	HCC24R-1BA	R
	#1 Blade S 36040 - #2 33307	7666A	CH 13364
	F 20936	F 49877	

1

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
------	--------------------------	---

The ATC Transponder tests and inspections required by FAR 91.413(a) have been performed and found to comply with FAR Part 43, Appendix F.

Transponder No 1 S/N 3918E

Transponder No 2 S/N

Aircraft Make Mooney Model M20C Reg. N113TA

Date 8-24-07 WO No 29350 Sig [REDACTED] S VT3R931L

Gibbs Service Center Inc. 8906 Aero Drive San Diego CA 92123

1/12/08 818 ✓ Airplane was inspected
 for discrepancies on per
 inspection and with formal air traffic
 cert OK on per FAR 91.207

AD 76-07-14 on Bendix Switch - OK.

73-21-01 CW by Lubrication

This airplane is
 airworthy at this time

J. [REDACTED]

INSPECTION RECORD

DATE

REG NO	<u>N113TA</u>	CHANDLER AVIATION INC	DATE	<u>02/05/09</u>
MODEL	<u>M20C</u>	CHANDLER MUNICIPAL	WO#	<u>46006</u>
S/N	<u>3402</u>	CHANDLER, AZ	HOBBS	<u>XXXX</u>
ENG MOD	<u>O360-A1D</u>	(480) 732-9118	TACH	<u>891.42</u>
ENG S/N	<u>L-9745-36A</u>		TOTAL	<u>1968.42</u>

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE [REDACTED] AUTH. NO. [REDACTED] LA

Clean, lube, & inspect all flight control surface attach points, hinges, rodends, pulleys, & bellcranks. Clean fuel screens. Service aircraft battery. Ops test and inspect ELT in accordance with FAR 91.207(d). ELT placarded as INOP. ELT removed and aircraft must be operated IAW FAR's for no ELT operation. AD's are complied with thru Rev. 2009-02 & bi-weekly update. See AD listing for details. Remove and replaced vacuum pump with new. Replaced carb heat cable with new. Replace airbox drain hose with new. Placard strobe lights INOP. Cleaned acid from battery box, and painted with acid proof paint. Replaced R/H, and L/H inner and outer fuel cap o-rings. Cut gyro sensor hose back and reconnected. Reseal flap actuator, and bled system, ops check satisfactory. Install new ATT. Gyro. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

END

INSPECTION RECORD

REG NO	<u>N113TA</u>	CHANDLER AVIATION INC	DATE	<u>02/26/10</u>
MODEL	<u>M20C</u>	CHANDLER MUNICIPAL	WO#	<u>47060</u>
S/N	<u>3402</u>	CHANDLER, AZ	HOBBS	<u>XXXX</u>
ENG MOD	<u>O360-A1D</u>	(480) 732-9118	TACH	<u>967.63</u>
ENG S/N	<u>L-9745-36A</u>		TOTAL	<u>2046.63</u>

MOONEY AUTHORIZED SERVICE CENTER

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE ON THE DATE STATED ABOVE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY.

SIGNATURE [REDACTED] AUTH. NO. [REDACTED] IA

Clean, lube, & inspect all flight control surface attach points, hinges, rod ends, pulleys, & bellcranks. Clean fuel screens. Service aircraft battery. Ops test and inspect ELT in accordance with FAR 91.207(d). Replaced ELT Batterys reinspect 2/2011. AD's are complied with thru Rev. 2010-02 & bi-weekly update. See AD listing for details. Replaced nose gear tire and tube with new. Replaced Lt. MLG tire with new. Replaced nose wheel steering horn with serviceable part and attaching hardware with new. Replaced nose gear pivot bushings and bolts with new. Replaced nose gear truss assy bolt with new. Resealed left brake master cylinder and bled brakes. Replaced Lt MLG brake disc and lining with new. Resealed brake reservoir. Replaced vaccum regulator filter and vaccum filter. Replaced fuel tank placards. Replaced manifold pressure line. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

END

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

24 March 2011

N113TA Tach: 1043.45, AFTT: 2122.45
Installed all new scat ducting, adding generator blast tube and fittings.
All AD's current through this date.
All inspection was performed per Mooney 100hr check list

I have inspected this airframe I.A.W. an annual inspection and find it to be airworthy

Jerry Coates A&P [REDACTED]

Aircraft: N113TA Date: 29MAR12

I certify that the ATC transponder was tested (in aircraft) as required by 14 CFR 91.413 and was found to comply with 14 CFR Part 43 Appendix F.

Express Avionics work order: 2669

[Signature]
Express Avionics LLC
Phone: 623-687-1805

CRS# XXZR035Y

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE

AIRCRAFT TIME

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

5/5/12

Mooney M20C S/N 3402 Tach 1073.81 TT. 2151.81

Engine Lycoming O-360-A1D S/N L-9745-36A TSMOH 1250.81 TT. 2152.81

Prop. Hartzell HC-C2YK-1 BF S/N hub CH-19370 Blades MOD F7666A-2
S/N Blade 1. F20936 2. F49877 TT. 755.52 TSOH 486.12

Inspected eng. And engine compartment components.

Performed compression test cyl. #1 78/80 #2 77/80 #3 77/80 #4 70/80

Replaced EGT gage and thermocouple assy. with new unit.

ELT was inspected and operational check c/w

Inspected propeller Hartzell HC-C2YK-1BF S/N CH19370E (verify Eddy current
inspection date and time per AD 2009-22-03 Tach time @ inspection 1042.36 Feb. 18,
2011) due ea. 100hr. Tach. 1142.36

Continued NEXT page

INSPECTION RECORD
F.A.R. 43.11 - 91.217

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
------	-----------------------------	---

5/5/12

Jacked aircraft and performed gear swing per. Maintenance manual
Replaced all brake pads and inspected brake assy.
Inspected and repacked all wheel bearings.
Inspected, cleaned and lubed all flight control and landing gear rod ends and linkage per.
AD 73-21-01
Inspected empennage hinge stack up and fasteners, lube all controls rods per AD 2012-
05-09
Performed fuel tank pressure test and inspect tank bays per. AD 85-24-03.
Disassembled, resealed and adjust fuel caps, retested ok.

Removed S4LN-200 S/N 851735 and S4LN-204 S/N 1063546 Installed new Slick
magnetos 4370 S/N 12010044 and 4347 S/N 12010085
With new wiring harness P/N M4004R Per. Lycoming O/H manual and Slick
instructions.
Oil pump AD 96-09-10 C1 requires oil pump replacement, engine removed from aircraft
per. Mooney maintenance manual.

Continued next page

DATE
5/5/12

INSPECTION RECORD
F.A.R. 43.11 - 91.217

DATE

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

5/5/12

Removed accessory case per. Mooney maintenance manual and reworked accessory case per. Textron Lycoming service instruction #1341 (oil pump idler shaft lubrication).
Installed oil pump kit # SL 18109A-S w/body P/N cam78531/ drive shaft P/N cam61174/
Impeller P/N SL18109-1 and P/N SL18110-1 installed per. Installation instructions, SI 1164B, SB 524 and Lycoming overhaul manual.

AD 2009-26-12 ECI cylinders identified as group "B" P/N S/N ref 8130-3. compression test good. Cylinders must be replaced at or before 350 HRS. TIS. @ Tach. 1131.10
Installed Sky-Tec starter model 149-NL S/N FN-3811124 per. Mfg. instruction and Lycoming service instruction no. 1154.

CONTINUED NEXT PAGE

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION - STATUS & DISCREPANCY LIST SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE
5/5/2012		<p>Reinstalled Engine per. Mooney Maintenance Manual.</p> <p>Installed Hartzel Propeller Mod. HC-C2YR-1BF S/N CH19370</p> <p>Serviced with 8 qrts. Oil.</p> <p>Installed new oil filter CH-48110</p> <p>Eng. Was test ran adjusted and found to be normal.</p> <p>I have inspected this aircraft IAW an Annual Inspection and find it to be in AIRWORTHY condition.</p> <p>Douglas E. Burke A&P [REDACTED]</p> <p>5/5/2012 [REDACTED]</p> <p style="text-align: center;"><i>See AD List</i></p>
6/11/12		<p>N113TA Tach. 1075.84 /TT. 2153.84</p> <p>Installed alternator conversion kit p/n SAL12-70 in accordance With Plane Power installation drawing #14-5001 and STC#10921SC</p> <p>Test ran and operational check system.</p> <p>Weight change noted. See 337 form this date.</p> <p>Douglas E. Burke A&P [REDACTED]</p>

INSPECTION RECORD

F.A.R. 43.11 - 91.217

DATE

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Mooney M20C N113TA S/N 3402 Tach 1109.63 TT 2189.66

Inspected aircraft per. Mooney checklist and maintenance manual
jacked aircraft, performed gear swing and lubrication Per. recurring AD 73-21-01 Inspected all flight
controls and lubed per. Mooney M20C lube schedule.

Removed OAT gage inline fuse and replaced with panel mounted CB 1 amp.

Replaced Eng. baffle seal and repaired cracked Eng. Baffle at forward right corner.

Inspected fuel caps and fuel tank compartments Per. recurring AD 85-24-03 & SBM20-229

Inspected and serviced all tires to 30 PSI,

Inspected brakes

ELT inspected and operational checked Batt. Due March 2016

Transponder test due March 2014

EGT gage is deactivated and removed, part on order.

I have inspected this Aircraft IAW an Annual inspection and find it to be in airworthy condition.

Douglas E. Burke

09/09/13