

The Standard

AIRCRAFT LOG

ASA-SA-1

Approved, please indicate any conditions for use.



Aircraft Exterior/Interior Colors

Aircraft S/N & "N-Number"	31-0108 / N3833T
Exterior/Interior Option	Bandit-Option C / Option 4
Cowl/Upper Fuselage	Silver Metallic
Lower/Aft Fuselage	Flight Blue
Pinstripe / "N-Number"	Matterhorn White/ Silver Met.
Seat	Sterling
Piping	Sterling
Headliner/Sidewall	Moonbeam / Moonbeam
Carpet	Charcoal

Aircraft Record General Information

Manufacturer Mooney Airplane Co., Inc Model M20TN
Serial 310108 Registration Number N3833T
Date of Manufacture 2008

Engine(s) currently installed:

Manufacturer Continental Model T510-550-G (1) Serial 803781
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer Hartzell Model PHC-53YF-1RF/F7498 (B)
HUB Model _____ Serial FP6824B Serial _____
Blade Model _____ Serial K75017 Serial K75024 Serial K75023
Blade Model _____ Serial _____ Serial _____ Serial _____

Approved for use in accordance with the applicable airworthiness directives.

WARNING

- THIS PROPELLER HAS BEEN DYNAMICALLY BALANCED -

Each aircraft has an engine/propeller imbalance and amplitude different than others due to manufacturing tolerances in engine and/or propeller.

Dynamic balancing is not required but smoother operation will result when the engine & propeller are balanced as an integral unit.

Propellers that have been dynamically balanced require special consideration when any maintenance is to be done on the engine or propeller. There are balance weights bolted to the spinner bulkhead and these may require removal, depending upon the maintenance action being done. If the propeller is replaced or overhauled the weights shall BE REMOVED from the spinner bulkhead prior to engine start up.

It is at the owner's discretion to have the propeller/engine combination dynamically balanced after maintenance which may disturb the original balanced condition. Use of a Chadwick Helmuth dynamic balancing system is recommended but may not be the only means to accomplish this balance condition.

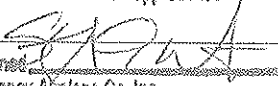
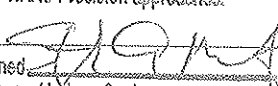


MOONEY AIRPLANE COMPANY, INC.



Approved for use on aircraft equipped with Mooney engines.

YEAR: 2008 DATE	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.)
8.13			5.7	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY. SJA [Signature] 2762097
8.14			6.7	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRPLANE SPECIFICATION 020009 AND FOUND SATISFACTORY. SJA [Signature] PC 13 SW

YEAR: 2008 DATE	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.)
8-14			6.7	<p>GPS #1</p> <p>The GPS Navigation System, Make GARMAN Model G-100 installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Airplane Co. Specification 020000 and is approved for use under Instrument Flight Rules, Enroute, Non-Precision and WAAS Precision approaches.</p> <p>Signed:  Mooney Airplane Co. Inc. J PC135W</p>
				<p>GPS #2</p> <p>The GPS Navigation System, Make GARMIN Model G-100 installed in this Aircraft has been Ground/Flight tested in accordance with Mooney Airplane Co. Specification 020000 and is approved for use under Instrument Flight Rules, Enroute, Non-Precision and WAAS Precision approaches.</p> <p>Signed:  Mooney Airplane Co. Inc. J PC135W</p>

YEAR: 2008 DATE	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.)
				I certify that the altimeter tested to 35,000 feet on 1-21-08 and Static System Tests required by FAR 91.411 have been performed.
				I certify that A T C Transponder Tests required FAR 91.413 have been performed.
				MOONEY AIRPLANE COMP. TC2A3 MOONEY AIRPLANE COMP. TC2A3
				BY <i>[Signature]</i> PC13SW BY <i>[Signature]</i> PC13SW 8-15-08 8-15-08
				I certify that the encoding altimeter tests required by FAR 91.217b have been performed.
				MOONEY AIRPLANE COMP. TC2A3 MOONEY AIRPLANE COMP. TC2A3
				BY <i>[Signature]</i> PC13SW 8-15-08
				"I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) (Special) Airworthiness Certificate Dated 8-15-08. The next Annual Inspection is due 8-14-09. SIGNER <i>[Signature]</i> SW-1100-43
				ELT BATTERY EXP. JUL - - 2013


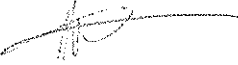
YEAR: _____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE _____

MAKE MOONEY
MOONEY AIRPLANE

Mooney Airplane Company, Inc.

DATE 10/15/55

YEAR: _____ DATE	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.)
				<p>DATE: 11-19-08 HOBBS:50.2 N3833T</p>  <p>Midwest M20 Sales and Service #2 Airport Road Flora, IL 62839</p> <p>UPDATED GARMIN G1000/GFC700 SOFTWARE TO 006-B0401-30 SOFTWARE IN ACCORDANCE WITH SERVICE BULLETIN M20-307A. OPERATIONALLY CHECKED SYNTHETIC VISION. OPS CHECK GOOD.</p>  <p>MATTHEW T LOVETT AP/IA #3155323</p>

YEAR	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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DATE: 11/19/08
 HOBBS: 50.2
 N3833T

MIDWEST M20 SALES & SERVICE
 #2 AIRPORT RD, FLORA, IL 62839

INSPECTED BRAKE CALIPER ASSY'S. NO DEFECTS NOTED. REMOVED,
 CLEANED, INSPECTED, AND RE-OILED AIR FILTER.


 JUSTIN H. GARTMAN AP 3231982

YEAR:	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.)
DATE				

AIRFRAME

Reg: N3833T
 Model: M20TN
 S/N: 31-0108
 W/O: MS-08-00392



Date: 30 December 2008
 Hobbs: 60.4
 ACTF: 60.4

- 1) Removed and disassembled the left main wheel. Assembled the wheel with a new tire (p/n 070-314-0, s/n 7235W00092). Serviced the tire with Nitrogen and installed on the left main gear.
- 2) Removed and disassembled the right main wheel. Assembled the wheel with a new tire (p/n 070-314-0, s/n 7176W00221). Serviced the tire with Nitrogen and installed on the right main gear.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed: [Signature]

CRS #M9TR576Y
 525 Turbine Ave, Chesterfield, MO (636)532-6155

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YEAR:	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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DATE: 2/27/2008
TACH: 72.0
N3833T



Midwest M20 Sales and Service
#2 Airport Road
Flora, IL 62839
FAA Repair Station # IMMR084B

A/F

Installed heater enhancement retrofit kit P/N 940177-9503 in accordance with Mooney Service Bulletin M20-308A. This modification changes the engine configuration to a TS10-550. Ran aircraft and checked good. Inserted revised pages in section VII in POH.

Justin Gartman
Justin Gartman AP 3231982

YEAR: _____ DATE	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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DATE: 9-1-09
HOBBS: 108.3
N3833T



Midwest M20 Sales and Service
#2 Airport Road
Flora, IL 62839

PERFORMED ANNUAL INSPECTION IAW MOONEY M20 TN 100HR/ANNUAL CHECKLIST, JACKED AIRCRAFT AND SWUNG/LUBED GEAR. CHECKED PRELOAD TENSION AND SHOCK DISK INTEGRITY. NO DEFECTS NOTED. INSTALLED CHAFF TAPE TO FLAP LEADING EDGES. TRIMMED RH FLAP LOWER FAIRING TO REMEDY FLAP INTERFERENCE. ADJUSTED MIXTURE LEVER TO PROVIDE .25" CUSHION. REMOVED GFC 700 AUTOPILOT SERVO CLUTCHES AND SENT TO MOONEY AIRCRAFT CORP. FOR CLUTCH ADJUSTMENT TEST.(REF. LOG ENTRY/WORK ORDER #2026-08-2009 FOR WORK ACCOMPLISHED) REINSTALLED SERVOS AND OPS CHECKED GOOD. LUBED AND CHECKED ALL FLIGHT CONTROLS. TESTED BATTERIES FOR CAPACITANCE AND INTEGRITY. NO DEFECTS NOTED. I CERTIFY ALL WORK PERFORMED ON THIS AIRCRAFT WAS DONE IAW APPROVED DATA AND AC43.13-2B AND IS DEEMED SAFE FOR FURTHER FLIGHT.

MATTHEW T LOVETT AP/IA #3155323

YEAR:	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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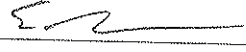
AIRFRAME
 Reg: N3833T
 Model: M20TN
 S/N: 31-0108
 W/O: MS-10-00857



Date: 4 June 2010
 Hobbs: 170.2
 ACTT: 170.2

Removed and disassembled the left main wheel assembly. Reassembled the wheel with a new tire (p/n 070-314-0, s/n 7177W00166). Serviced the tire with Nitrogen and reinstalled the wheel assembly.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed: 

CRS #M9TR576Y
 525 Turbine Ave, Chesterfield, MO (636)532-6155

YEAR:	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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Mooney M20TN

Date 08/05/2010 Reg. No. N3833T
Hobbs 191.7 Serial No. 31-0108



Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Removed CSM85 Pitch Servo and performed Clutch Torque and Motor Test, no defects noted at this time. Reinstalled Pitch Servo and adjusted Cable Tension to 35 lbs. Performed Autopilot ground checks as necessary in accordance with Garmin Maintenance Manual, no defects noted at this time.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 10725A.

Ned Batchelor

Ned Batchelor
CRS# DGCR175D

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MOONEY

Date 08/12/2010

Reg. No. N3833T

Serial No.

31-108

A/C Total Time

N/A

Hobb's

191.7

Aero Charter, Inc.
501 Turbine Avenue
Chesterfield, MO 63005
Repair Station DGCR175D
636-537-0005

Removed Garmin Pitch Servo P/N 011-00878-00 S/N 6608998 and installed Pitch Servo P/N 011-00878-00 S/N 66412665
Reloaded GFC700 Software. Performed GFC 700 System ground test IAW Garmin MFG Specifications with no defects found.

With respect to the work performed, this aircraft is approved for return to service. Pertinent details are on file at this Repair Station under Work Order No. 10725A.



Ned Batchelor

CRS# DGCR175D

Service Information

You can now subscribe to TCMLINK® Aviator Services through our web site at www.tcmlink.com. This free program provides Service Bulletins and Technical information. Service Bulletins and Technical Publications are also available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 888-826-5465, publications department, for information.

Engine Returns

All engines returned for core credit are to be shipped with this log book directly to:

Teledyne Continental Motors
2039 Broad Street
Mobile Alabama 36615

All engines returned for overhaul are to be shipped with this log book directly to:

Teledyne Mattituck Services
410 Airway Drive
Mattituck NY 11952

ENGINE MODEL TS10-550-G(2)
ENGINE SERIAL NUMBER 803781
AIRCRAFT MODEL M20TN
AIRCRAFT SERIAL NUMBER 31-0108
AIRCRAFT REGISTRATION NUMBER N3833T

DI ATILIA


Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	

DATE: 10/01/08
 HOBBS: 21.6
 N3833T

MIDWEST M20 SALES & SERVICE
 #2 AIRPORT RD, FLORA, IL 62839

CHANGED OIL USING 7 QTS PHILLIPS 20W50 MINERAL OIL. CUT FILTER. NORMAL METAL FOUND FOR NEW ENGINE. SUGGEST FLY AND RECHECK IN 25 HRS. INSTALLED NEW FILTER, PN CH48109. RUN UP AND LEAK CHECK GOOD.

APPLIED MOUSEMILK TO EXHAUST SYSTEM SLIP JOINTS.

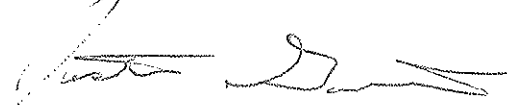


JUSTIN H. GARTMAN AP 3231982

DATE: 11/19/08
 HOBBS: 50.2
 N3833T


MIDWEST M20 SALES & SERVICE
 #2 AIRPORT RD, FLORA, IL 62839

CHANGED OIL USING 8 QTS AEROSHELL 15W50. CUT FILTER. NORMAL METAL FOUND FOR NEW ENGINE. INSTALLED NEW FILTER, PN CH48109. RUN UP AND LEAK CHECK GOOD.




JUSTIN H. GARTMAN AP 3231982

DATE: 2/27/2008

 Midwest M20 Sales and Service

ENG

Date	Total Time		Time Since Last Overhaul		<i>Engine Service and Maintenance Record</i> Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought For					
N3833T				 Midwest M20 Sales and Service #2 Airport Road	
DATE: 5-12-2009					

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

ENGINE

Reg: N3833T
 Model: TSIO-550-G(2)
 S/N: 803781
 W/O: MS-10-00857



Date: 4 June 2010
 Hobbs: 170.2
 ACTT: 170.2
 ETT: 170.2

Drained the oil. Removed and replaced the oil filter with new (p/n CH48109-1). Inspected the removed filter and noted traces of non-ferrous metal. Serviced the engine with 7 quarts of Aeroshell 15W-50 oil. Removed, inspected and reinstalled the engine starter. Performed an engine ground run, no leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed: _____ CRS #M9TR576Y
 525 Turbine Ave, Chesterfield, MO (636)532-6155

ENGINE

Reg: N3833T
 Model: TSIO-550-G(2)
 S/N: 803781
 W/O: MS-10-00912



Date: 8 July 2010
 Hobbs: 189.5
 ACTT: 189.5
 ETT: 189.5

Drained the oil. Removed and replaced the oil filter with new (p/n CH48109-1). Inspected the removed filter and did not find any metal contaminants. Serviced the engine with 7 quarts of Aeroshell 15W-50 oil. Performed an engine ground run, no leaks or defects noted.

The aircraft, airframe, engine, propeller, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed: _____ CRS #M9TR576Y
 525 Turbine Ave, Chesterfield, MO (636)532-6155

Make: Teledyne Continental Motors
 Model: TSIO550G2
 Serial No.: 803781



Date: 09/24/2010
 Hobbs Time: 215.2
 Total Time: 215.2

TCM Customer Support Center, 8600 County Rd 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. ID4R254M

The work performed as described below has been inspected in accordance with current regulations of the Federal Aviation Administration and found to be in airworthy condition.

Work Performed: Completed a 100 hour inspection in accordance with the Piper M20TN maintenance manual 100 hour/annual checklist. Compression check/80 psi. #1-64, #2-66, #3-69, #4-62, #5-66, #6-70. Removed #2 cylinder S/N AC07EB337 and installed a factory new cylinder S/N 09KA980 with new rings, gaskets and seals. Removed and repaired #1 S/N AC07EB375 and #4 S/N AC07EB335 cylinders. Reinstalled with new rings, gaskets and seals. Installed a new #2 EGT probe. Installed a new Turbo exhaust transition assy. and #2 exhaust riser. Adjusted left and right mags to 24° BTDC. Cleaned fuel nozzles and install them in proper cylinders. Installed a new starter o'ring. Changed oil and filter. Took oil sample. Serviced engine with Phillips 20W50 Type M oil. Complied with TCM SB10-1 by inspection of exhaust and turbos. Complied with Mooney SB20-309 by inspection of left and right exhaust transition assy. Cleaned and re-oiled induction air filter. Completed ground operational checks, flight checks and leak checks. -----ERD-----

Authorized Signature For Repair Station ID4R254M: Michael C Ombay
 Details of the work performed is on file under Work Order No. 4678

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-J37F-1RF/F7498(B)

PROPELLER S/N FP6824B

LOGBOOK # 1

PROPELLER MAINTENANCE RECORD

Position OFF

PITCH RANGE

Propeller Model PHC-J3YF-1RF

High/Feather _____

Propeller S/N FP6824B

Start Lock _____

Blade Design F7498(B)

Low _____

Blade S/N's

Reverse _____

No. 1 K 75017

No. 2 K 75024

Aircraft Manufacturer Mooney Airplane Co. Inc.

No. 3 K 75023

Aircraft Model M20TN

No. 4 _____

S/N 31-0108

No. 5 _____

Registration N3833T

No. 6 _____

Spinner Assembly Part No. _____

