

**Aircraft Record** General Information

Manufacturer Mooney Aircraft Corp, Inc Model M20R

Serial 29-0488 Registration Number N409PC

Date of Manufacture 2007

Engine(s) currently installed:

Manufacturer Continental Model T0-550-G(6)B Serial 690910

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

Propeller(s) currently installed:

Manufacturer Hortzsch Model PHC-J37F-1RF/F7693DF-2

HUB Model \_\_\_\_\_ Serial EP 5947B Serial \_\_\_\_\_

Blade Model \_\_\_\_\_ Serial K60493 Serial K60496 Serial K60500


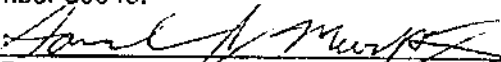
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_


YEAR: 2007 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.)
9-25			3.0	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWORTHY. <i>John G. Smith</i> 2121990
9-30			4.5	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH MOONEY AIRPLANE SPECIFICATION 020009 AND FOUND SATISFACTORY. <i>John G. Smith</i> PC135W

YEAR: 2007 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.)
			4.5	
			GPS1	GPS2
		<p>The GPS Navigation System, Make <del>Garmin</del> <u>Garmin</u> Model <del>G1000</del> <u>G1000</u> installed in this Aircraft has been Ground Flight tested in accordance with Mooney Airplane Co. Specification 020009, and is approved for use under Instrument Flight Rules, Enroute and Non-Precision approaches only.</p>		<p>The GPS Navigation System, Make <del>Garmin</del> <u>Garmin</u> Model <del>G1000</del> <u>G1000</u> installed in this Aircraft has been Ground Flight tested in accordance with Mooney Airplane Co. Specification 020009, and is approved for use under Instrument Flight Rules, Enroute and Non-Precision approaches only.</p>
		Signed <u>[Signature]</u> Mooney Airplane Co., Inc. PC135W		Signed <u>[Signature]</u> Mooney Airplane Co., Inc. PC135W

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.)
				I certify that the altimeter tested to <del>35,000</del> feet on <u>3-16-07</u> and Static System Tests required by FAR 91.411 have been performed. MOONEY AIRPLANE COMP. TC2A3 BY <u>[Signature]</u> PC13SW
			<u>9-30-07</u>	I certify that the encoding altimeter tests required by FAR 91.217b have been performed. MOONEY AIRPLANE COMP. TC2A3 BY <u>[Signature]</u> PC13SW
			<u>9-30-07</u>	"I find that the aircraft meets the requirements for the certification requested and have issued a (Standard) <del>(Special)</del> Airworthiness Certificate Dated <u>9-30-07</u> The next Annual Inspection is due <u>9-30-08</u> " SIGNED <u>[Signature]</u> DMIR 743014500



YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
				 MOONEY
				<b>AVERITT AVIATION, Inc.</b> November 20, 2007 Airframe
				<b>N409PC</b> Tach: 31
				Performed first 25 hour inspection per Mooney aircraft manual section 5-20-04. No noted defects noted at this time.
				The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service. Pertinent details of the repair are on file under work order number 50645.
				Signed:  For AVERITT AVIATION, INC. N9VR084I


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.)
				 MOONEY
				<b>AVERITT AVIATION, Inc.</b> February 8, 2008 <span style="float: right;"> <b>N409PC</b>  <b>Tach: 62.7</b> </span>
				Performed first 50 hour inspection per Mooney aircraft manual section 5-20-02. Ground run engine no leaks noted at this time.
				The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service. Pertinent details of the repair are on file under work order number 50676.
				Signed <u><i>Frank M. Murphy</i></u> For AVERITT AVIATION, INC. N9VR0841







YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair</small>
				G-Force Aviation 5430 Lauby Road North Canton, Ohio 44720
				November 17, 2010 N409PC Model: Mooney M20R S/N: 29-0488 Hobbs:396.0
				Complied with annual inspection with reference to Mooney M20R inspection Check list. did compression test #1-68, #2- 66, #3-69, #4-70, #5-72, and #6-62. Replaced RH exhaust hangers. Replaced 4 LH brake pads. Shimmed nose gear steering horn, O2 tank sent out for Hydrostat test. Reinstalled and serviced, next due 11-2015. Replaced 12 spark plugs # RHB32E. Checked ELT OPS check good. Battery due 5-2012.
				The aircraft identified above was repaired and inspected IAW current regulation Of the FAA and is approved for return to service.
				David Sanders <i>David Sanders</i> Repair station E-25R2357

YEAR:	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations	page
DATE					
				 <b>AVERITT AIR, Inc</b> Mooney Authorized Service Facility	
		November 15, 2011		N409PC A/C S/N: 29-0488	
				ACTT: 402.2	
				<b>The Following AD's Were Complied With:</b> <ul style="list-style-type: none"> <li>• 2008-02-06 Garmin GSM Autopilot Servo Modification by visual inspection of GSM 85 servos and found not applicable per servo mod status. Found mod level #1 indicated on serial tags of installed servos.</li> </ul>	
				<b>The Following Inspections Were Complied With:</b> <ul style="list-style-type: none"> <li>• Annual Inspection per FAR 43 Appendix D with reference to Mooney M20R 100 hr. / Annual inspection check list (Mooney M20R Service &amp; Maintenance Manual, P/N MAN161, dated August 2005).</li> </ul>	
				<b>The Following Special Inspection Items Were Complied With:</b> <ul style="list-style-type: none"> <li>• ELT inspection and operational check per FAR 91.207 (j). Battery expiration date: May 2012.</li> </ul>	
				<b>The Following Miscellaneous Maintenance Items Were Performed:</b> <ul style="list-style-type: none"> <li>• Removed and replaced RH brake linings with new linings P/N 066-10500.</li> <li>• Removed and replaced RH main tire with new tire P/N 070-314-0, S/N 1122S00355. Wheel assembly cleaned and visual inspected.</li> <li>• Removed and replaced #1 main ship battery with new battery P/N RG24-15, S/N 40446924.</li> </ul>	



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

**AVERITT AIR, Inc**

**Mooney** Authorized Service Facility



December 16, 2011

N409PC  
A/C S/N: 29-0488

ACTT: 402.2

I certify that the altimeter and static system tests and inspection required by FAR 91.411 have been performed. The air data computer per para (A) and (B) App E Part 43. Air Data Computer Make Garmin Model GDC 74A has been tested to 20,000 feet. Altitude reporting system tested to 20,000 feet. per para (C) App E Part 43. Standby Altimeter Model 5934PA-3 has been tested to 20,000 ft. Details of this inspection are on file at this repair station work order number 80042.

Signed

*Alan E. Joseph*  
For AVERITT AIR, Inc. CRS N9VR084I

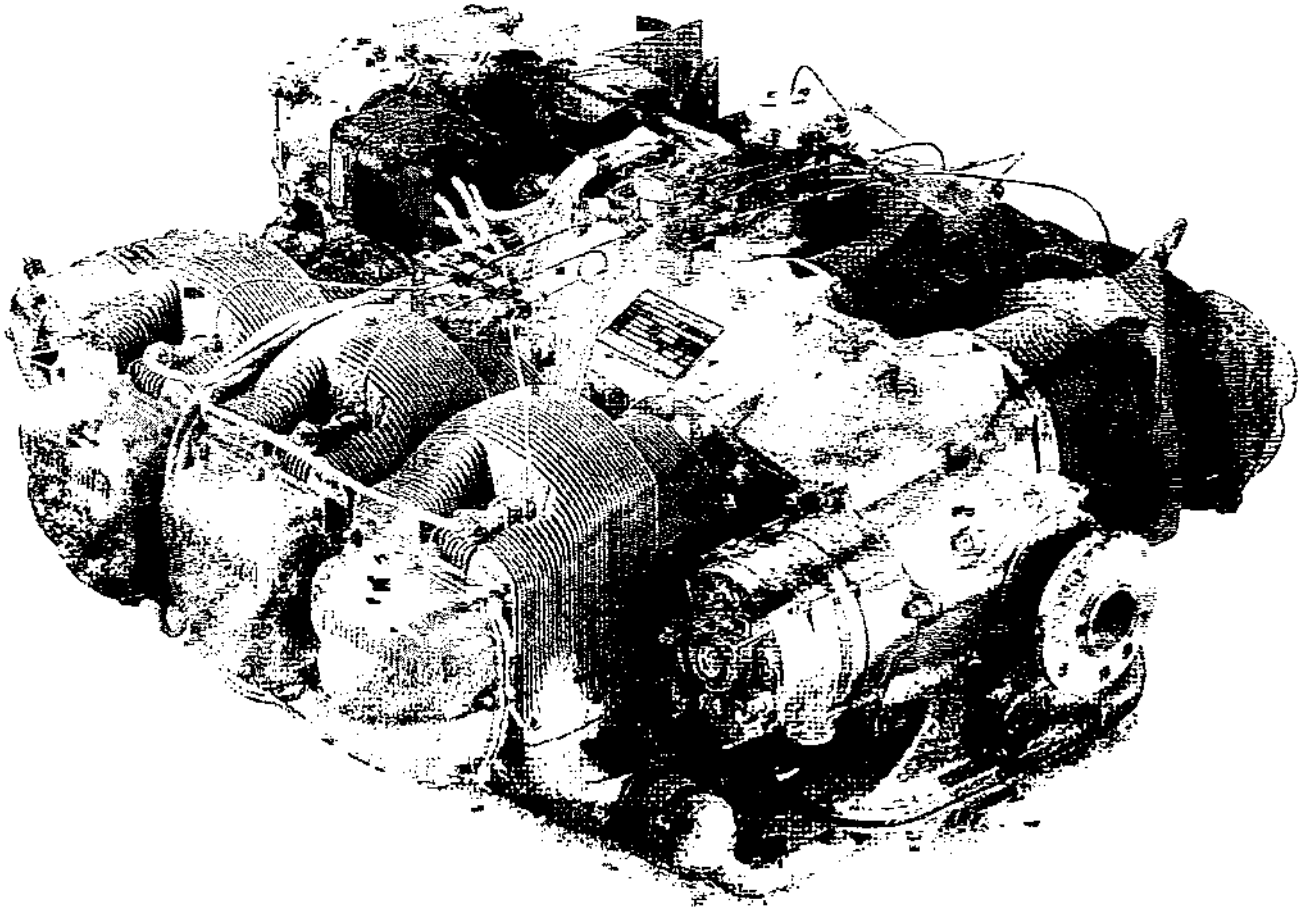
I certify the ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Make Garmin Model GTX33 S/N 89105333. Details of this inspection are on file at this repair station work order 80042.

Signed

*Alan E. Joseph*  
For AVERITT AIR, Inc. CRS N9VR084I



# ENGINE LOG BOOK



**Teledyne Continental Motors, Inc.**

Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

Engine Returns

All returned engines are to be shipped with this log book  
Directly to:

Engine Return Department  
2039 Broad Street  
Mobile, AL 36615

ENGINE MODEL 10-550-G(6)B  
ENGINE SERIAL NUMBER 690910  
AIRCRAFT MODEL M20R  
AIRCRAFT SERIAL NUMBER 29-0488  
AIRCRAFT REGISTRATION NUMBER N409PC

**USE ONLY FUEL CONFORMING TO ASTM D910  
USE OF AUTOMOTIVE GAS IS NOT APPROVED.**



Teledyne Continental Motors, Inc.  
A Teledyne Technologies Company

Printed: 08/15/2007

This engine model 10550G6, Serial No. 690910 was manufactured on 08/14/2007 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.



**TELEDYNE CONTINENTAL MOTORS**  
A TELEDYNE TECHNOLOGIES COMPANY  
PRODUCTION CERTIFICATE NO. 508



**SPECTRUM AVIATION**

4029 Airport Road, Suite 300 Lexington, KY 40510 859-255-1902

De

Engine Log Book

Date: 06-25-08  
Reg No: 409PC

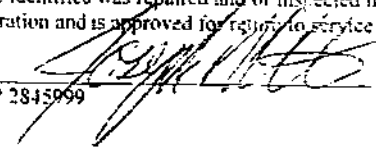
Aircraft: M20R  
Hobbs:

Work Order: 3276  
Serial No: 29-0488  
Tach: 145.4

Brought

Changed engine oil with 7 quarts Aeroshell 15W50 oil. Replaced oil filter with new CH48109-1 Filter. Cut open old filter and no particles found.  
Leak Checked good on engine run.

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

Date: 06-25-08 Signed   
AP 2845999

**SPECTRUM AVIATION**

4029 Airport Road, Suite 300 Lexington, KY 40510 859-255-1902

Engine Log Book

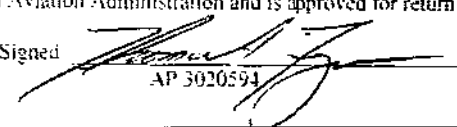
Date: July 28, 2008  
Reg No: N409PC  
AF Total Time: 171.5

Aircraft: M20R  
Tach: 171.5

Serial No: 29-0488

1. Serviced engine with 7 quarts Aeroshell 15W50 oil and new CH48109-1 filter. Cut open old filter and inspected. No particles found.
2. Aircraft ground run and operationally checks good. No leaks found.

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

Date: 7-28-08 Signed   
AP 3020594



AVERITT AIR, Inc.  
Eng. S/N 690910  
October 9, 2008

N409PC  
Tach: 201.4

I certify this Engine has been inspected in accordance with an Annual inspection and was determined to be in Airworthy Condition. Work order # 50735.

Signed   
For AVERITT AIR, INC. N9VR0841

Complied with Annual inspection changed oil and filter, oil sample taken and sent to Aviation Labs, and serviced engine as required with A/S 15W50. Cleaned and gapped spark plugs, compression read 1) 76/80 2) 74/80 3) 75/80 4) 75/80 5) 73/80 6) 74/80.

The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service. Pertinent details of the repair are on file under work order number 50735.

Signed   
For AVERITT AIR, INC. N9VR0841

Engine Log Book

Date: April 2, 2009  
Reg No: N409PC  
AF Total Time: 233.2

Aircraft: Mooney M20R  
Tach: 233.2

Work Order: M109-  
Serial No: 29-04898

Bro

1. Serviced engine with 7 quarts Aeroshell 15W50 oil and new CH48109-1 filter. Cut open old filter and inspected. No particles found.
2. Aircraft ground ran and operationally checks good. No leaks found.

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

Date: 4-2-09

Signed

*[Signature]*  
AP 3020594

Engine Log Book

Date: August 18, 2009  
Reg No: N409PC  
AF Total Time: 275.9

Aircraft: M20R  
Hobbs: 283.8

Work Order: M-09-0379  
Serial No: 29-0488  
Tach: 275.9

1. Serviced engine with 7 quarts Aeroshell 15W50 oil and new CH48109-1 filter. Cut open old filter and inspected. No particles found. Oil sample taken. Ground run and leak checked ok.

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

Date: 8/18/09

Signed

*[Signature]*  
Rudy Segura AP 3110987



AVERITT AIR, Inc.  
Eng. SIN 690910  
October 26, 2009

N409PC

Tach: 316.7

I certify this Engine has been inspected in accordance with an Annual inspection and was determined to be in Airworthy Condition. Work order # 15483.

Signed *[Signature]*  
For AVERITT AIR, INC. N9VR0841

Complied with Annual inspection changed oil and filter, oil sample taken and sent to Aviation Labs, and serviced engine as required with A/S 15W50. Cleaned and gapped spark plugs. compression read 1) 75/80 2) 72/80 3) 75/80 4) 75/80 5) 74/80 6) 68/80. Replaced all 12 each rocker cover gaskets P/N 655705 with new.

*This aircraft was repaired in accordance with the manufactures maintenance manuals. All systems interrupted have been tested and/or leak checked as necessary.*

The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service. Pertinent details of the repair are on file under work order number 15483.

Signed *[Signature]*  
For AVERITT AIR, INC. N9VR0841

**Airframe Log Book**

Date: December 14, 2009  
Reg No: N409PC  
AF Total Time: 329.8

Aircraft: M20R  
Hobbs: 337.4

Work Order: M-09-0531  
Serial No: 29-0488  
Tach: 329.8

Brought

1. Serviced engine with 7 quarts Aeroshell 15W50 oil and new CH48109-1 filter. Cut open old filter and inspected. No particles found.
2. Washed engine.
3. Aircraft ground ran and operationally checks good. No leaks found.

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

Date: 12-14-09

Signed

*Thomas A Ferguson*  
Thomas A Ferguson APE 3020584

**Engine Log Book**

Date: 04/02/2010  
Reg No: N409PC  
AF Total Time: 350.1

Aircraft: M20R  
Hobbs: 350.1

Work Order: M-10-0657  
Serial No: 29-0488  
Tach: 342.7

1. Serviced engine with 7 quarts Aeroshell 15W50 oil and new CH48109-1 filter. Cut open old filter and inspected. No problems found.
2. Ground ran engine. Ops check and no leaks noted.

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

Date:

Signed

*Carl Johnson*  
AIP 2833420 Carl Johnson

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