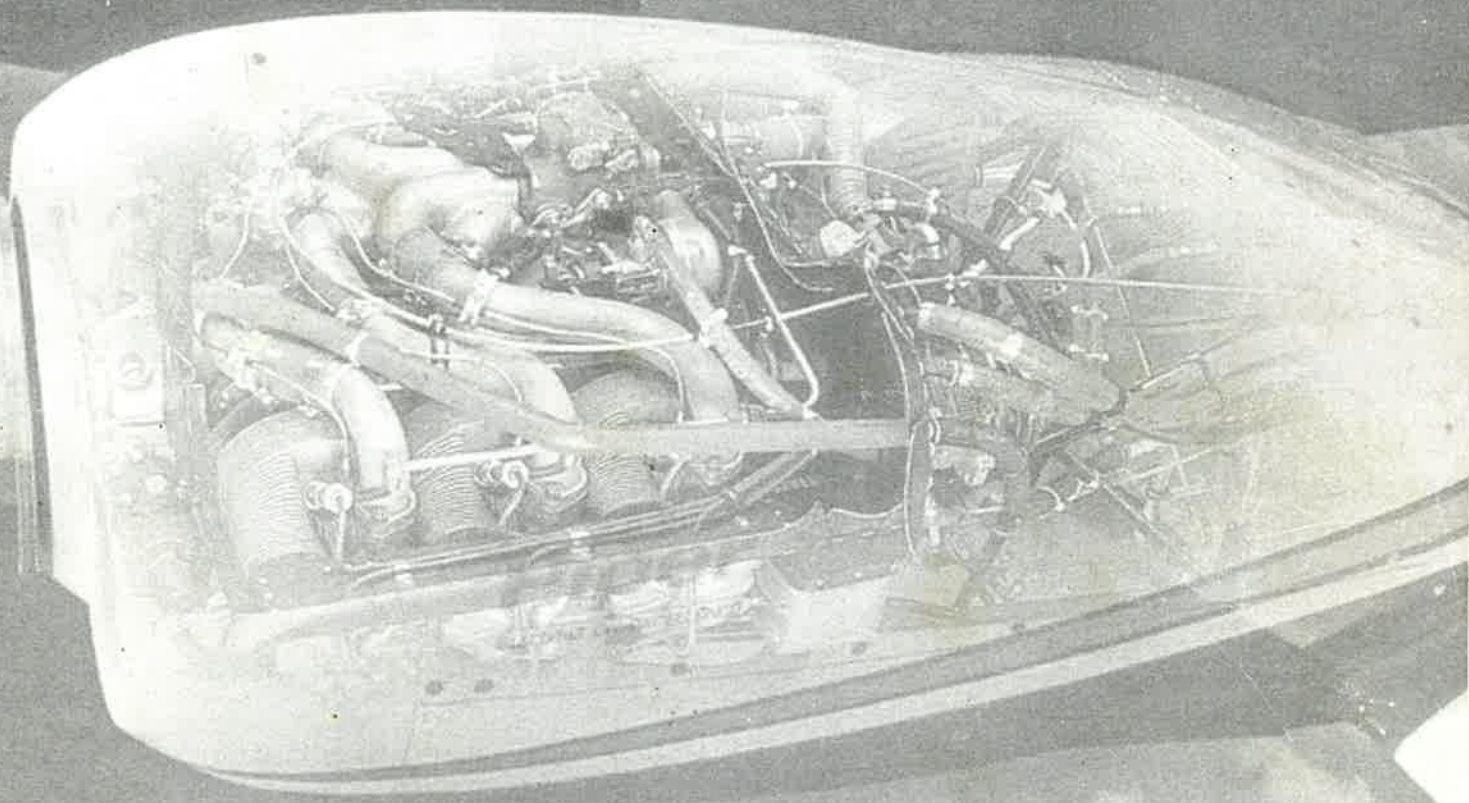


N475RB

BOOK # 1

ENGINE LOG BOOK



CONTINENTAL MOTORS

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:

Teledyne Continental Motors
Abbeville Industrial Park
Suite 159
Abbeville, AL 36310

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

This engine model I0550G6, Serial No. 808517-R, was rebuilt/zero timed on 05/11/2001 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M88-4	88-03-06	REPLACED WITH NEW PARTS	CSB9710A	97-21-02	PISTON PIN PLUG WEAR
M90-21	N/A	ULTRASONIC INSPECTION OF BARREL	CSB98-1	N/A	INTAKE AND EXHAUST VALVE INSPECTION
M91-6	N/A	ULTRASONIC INSPECTION OF BARREL	MSB00-5C	2000-23-21	CRANKSHAFT MATERIAL INSPECTION
M91-7	N/A	ULTRASONIC INSPECTION OF BARREL	MSB00-5C	2000-23-21	CRANKSHAFT MATERIAL INSPECTION
N/A	91-19-03	OIL FILTER CHANGE	CSB99-3A	99-09-17	CRANKSHAFT ULTRASONIC INSPECTION
M93-9	93-16-15	PROPER SHAFT & COUPLING INSTALLED			
CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE			
MSB95-6	N/A	FUEL SYSTEMS			
MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION			
MSB94-8A	N/A	MAGNETO TO ENGINE TIMING			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508

[Signature]

N475RB

Work Order #10463

Hobbs Time:536.7

Date:8/14/01

(NOTE: THIS ENGINE INSTALLED IN MOONEY N475RB M20R 29-0121.)

- Performed a 100 Hour/Annual Inspection of the Engine & Propeller in accordance with the inspection checklist contained in the M20R Maintenance Manual.
- Removed engine model IO-550-G, S/N 679276 from aircraft and processed to be shipped to Teledyne/Mattituck for IRAN evaluation. Shipped engine to Mattituck. Engine exchanged for TCM re-manufactured engine S/N 80817-R. Installed accessories and baffles. Installed new engine using new lord mounts, bolts, washers and nuts. Torqued to specs. Installed engine control cables and rigged in accordance with the M20R service manual. Installed new fuel and oil hoses. Reinstalled electrical harnesses using new adel clamps as required. Installed exhaust system using new flange gaskets and new hardware. Reinstalled induction housing and ducts. Installed cabin heat and alternate air ducts. Reinstalled engine drain hoses. Installed a new oil filter P/N CH48110, torqued and saftied both. Added 7 quarts of Phillips Type M 20W50 mineral oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and checked for oil leaks with no leaks noted.
- Removed engine mount 590050-501 and packaged for shipping to Kosola. Received re-certified mount from Kosola and installed with new bolts, washers and nuts in accordance with the M20R service manual. Torqued to specs.
- Installed new propeller P/N 3A32C418-C, S/N 010292 in accordance with the M20R service manual using new o-ring and nuts. Torqued to specs. Installed spinner backplate and spinner assembly.
- Removed the propeller governor (P/N C290D3-K/T 45, S/N 970121) and shipped to New England Propeller for overhaul. Received overhauled governor from New England Propeller, performed visual receiving inspection and installed using new gaskets and hardware. Torqued to specifications. Installed control cable and rigged in accordance with the M20R service manual.

FAA Certified Repair Station EA6R508N

Page 1 of 2

- Removed the induction air filter. Carefully inspected the paper element for damage and holes, none noted. Cleaned the filter following manufacturers instructions. Cleaned the filter housing as required. Reinstalled the filter to the housing and secured.
- Removed cracked muffler and sent out for overhaul. Installed muffler P/N 630105-501 in accordance with the M20R service manual.
- Performed post-annual inspection engine run-up and found satisfactory. Checked for fuel and oil leaks, none noted.

END

I certify that this engine has been inspected in accordance with an Annual/100 hour Inspection and was determined to be in airworthy condition and is approved for return to service. Pertinent details of this inspection are on file at this Repair Station under the work order listed.

Date: 8/22/01 Work Order #10463

Tach. or Hobbs Time: 536.7 Aircraft Total Time: 596.7

Engine total time since new or overhaul 0.0

Signature *Michael Carter*

East Coast Aviation
Hanscom AFB-Hangar 1730
Bedford, MA 01731

FAA Certified Repair Station #EA6R508N
Phone 781-274-0105

Fax 781.274.0714

FAA Certified Repair Station EA6R508N

Page 2 of 2

8-27-01	554.4 HRS	HOBBS	DRAINED OIL	REPLACED OIL FILTER WITH A	
			CH4810?	SERVICED ENGINE WITH 8QT PHILLIPS 20W-50 TYPE	
			"M" OIL	ENGINE RUN, CHECKED FOR LEAKS, NONE FOUND.	
				<i>Don Branson</i>	AIP 439043269

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	→				
9-17-01	1406	56	46		Adjust idle mixture and rig throttle switch for gear war - run up check ok <i>Franklin</i> AP 1940083
10-3-01	1412	57	7		Change oil and oil filter used Shell 50 Det. oil - not open oil filter and inspect ok - wash engine - run up check ok - <i>Franklin</i> AP 1940083

DEC. 11, 2001. Hobbs Reading & Aircraft Total Time 620.0 hrs. Cleaned, gapped and rotated spark plugs. Compression checked 1/68, 2/73, 3/71, 4/71, 5/73, 6/70 @ 80 P.S.I. Changed oil and filter. Serviced engine with 8 qts. Aeroshell 100W and a CH48109 filter. Replaced baffle spring above #2 & #4 cylinders. Engine washed, run and checked for leaks, none found.

DON J. BROUSSARD A & P 439043269

Don J. Broussard

3-19-02	1418	55	00		Changed oil + filter. Filled engine with 8 qts Aero shell 50wt Det oil. Ran engine. Operational check normal. No leaks <i>Broussard</i> AP 2061308
6-16-02	1424	53	00		Changed oil + filter. Filled engine with 8 qts Aero Shell 100W 50wt Det oil. Ran engine. Operational checked normal. No leaks found. <i>Franklin</i> # 435163511
8-26-02	1432	7			Performed Annual Inspection, compression readings #1-66 #2-74 #3-73 #4-75 #5-74 #6-75 @ 80 P.S.I. Changed oil + filter serviced with 8 qts aeroshell 50wt oil. Cut oil filter open + inspected for metal. None found at this time. Cleaned cont.

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	→				
					cont. + regapped spark plugs. Cleaned + inspected fuel injector nozzles. Checked magneto timing. Cleaned + inspected engine air filter. Inspected muffler + exhaust system. Installed new vacuum pump P/N 14128-006 S/N T39270H. Setup engine in accordance with Mooney SE. M20-107. <i>Frank J. Jenschke A&P 461250405</i>
					DATE 8-26-02 T.I. IN SERVICE 196.0 AD'S CHECKED THRU: 2002-16 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>Ronnie Kramer</i> NUMBER: 4648686051A
8-27-02	1432	7			C/W TCM CSB 02-28 starter adapter shaft seal. No leakage found at this time <i>Frank J. Jenschke A&P 461250405</i>
11-2-02	1439	7			Changed oil + filter, filled w/ 8 qts Aero Shell 15W50 Det oil, Ran + Check for leaks, none, also installed 12 new spark plugs #46132E Pan + checked ok at this time <i>Franklin</i> #435163511
FEB. 22, 2003.	Hobbs Reading & Aircraft Total Time 809.1 hrs. Changed oil and filter. Serviced engine with 8 qts. Aeroshell 15W 50 oil and a CH48109 filter. Engine washed, run and checked for leaks, none found. Oil sample taken and sent in for analysis, old oil filter cut and inspected for any metal, none found. DON J. BROUSSARD A & P 439043269 <i>Don Broussard</i>				
4-2-03	1447	23	8		Compression check engine @ 80 (100 HR) #1-66 #2-74 #3-73 #4-75 #5-74 #6-75 - clean and gap spark plugs - clean fuel injectors - clean air filter - cut open oil filter and inspect ok - install new oil filter - install new intake gaskets - wash engine run up check ok <i>Franklin</i> AP 1940083

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					
<p>Paul Fournet Air Service Inc. FAA Approved Repair Station HFBR633E Lafayette, LA (337) 237-0520</p> <p>LOG BOOK ENTRY</p> <p>N475RB MOONEY M20R S/N - 29-0121 HM - 863.5 6-17-03</p> <p>Changed oil and oil filter. Cut open old filter and checked OK. Took oil sample and sent in for analysis. Serviced engine with Shell 15W50 oil. Washed engine and run up checked OK.</p> <p><i>Frank J. Burleigh AP1940083</i></p>					

Paul Fournet Air Service Inc.
 FAA Approved Repair Station HFBR633E
 Lafayette, LA (337) 237-0520

ENGINE LOG BOOK ENTRY

N475RB MOONEY M20R S/N 29-0121 HM - 876.8 TTAC - 936.8 8-12-03
 ENGINE - TCM IO-550-G6 S/N 808517-R - TSRB - 340.1

Compression checked engine 1-68/80 2-72/80 3-70/80 4-69/80 5-72/80 6-75/80. Changed oil and filter. Cut open old filter and inspected OK. Serviced with Shell 15W50 oil. Checked mag timing. Cleaned and gapped spark plugs. Installed new air filter to comply with AD Note 84-26-02. Inspected all fuel and oil lines and all intake and exhaust system. Inspected all engine controls and mounts. Inspected engine and all accessories. END

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED
 IN ACCORDANCE WITH A 100 hr. Annual
 INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION
 TOTAL TIME TSRB = 340.1
 WORK ORDER 9701-9702
 DATE 8-12-03
Frank J. Burleigh
 AUTHORIZED SIGNATURE
 PAUL FOURNET AIR SERVICE, INC.
 FAA CERTIFIED REPAIR STATION HFBR633E
 MUNICIPAL AIRPORT, LAFAYETTE, LA

10-11-03	919.2	Changed Oil + filter, filled with 8 qt's of 15-50 Aero Shell. Ran engine + leak tested. No leak found. Operated normal. <i>Frank J. Burleigh 43580571</i>
01-14-04	953.6	changed Oil + filter w/ 8 qt's of 15-50 Aero Shell. Ran engine. Leak checked, no leak found. Operated normal. Cut filter and metal found @ this time. Checked OK. <i>Frank J. Burleigh 43580571</i>

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					
<p>1-27-04 - Tack = 9751 - remove both mags - C/W AD 96-12-07 by inspect of both mag impulse couplings - re-install both mags on engine and Time them - clean all Fuel injectors and install new Fuel injector on #6 cylinder - Adjust idle mixture - run up check OK - <i>Frank J. Burleigh AP1940083</i></p>					

Model: IO550G(6)
 Serial No.: 808517-R



Mattituck Service Centers

Date: 02/27/2004
 Hobbs Time: 968.5
 Total Time: 431.8

TCM Mattituck Service 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: Compression/80 psi. #1-54, #2-60, #3-64, #4-63, #5-64, #6-63. Master orifice reading was 46 psi. Borescoped cylinders. Set fuel system in accordance with TCM SID-3A and Mooney specifications. Completed a ground operational check and leak check. -----END-----

Authorized Signature: *Ronald Humphrey* Details of the work performed is on file under Work Order No. 2073

Make: Teledyne Continental Motors
 Model: IO550G(6)
 Serial No.: 808517-R



Mattituck Service Centers

Date: 04/16/2004
 Hobbs Time: 995.9
 Total Time: 459.2

TCM Mattituck Service 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: Compression/80 psi. #1-56, #2-67, #3-66, #4-68, #5-66, #6-72. Master orifice reading was 46 psi. Removed #1 cylinder. Re-cut and lapped exhaust and intake valves and seats. Reinstalled with same rings and new gaskets and seals. Changed oil and filter. Took oil sample. Serviced engine with Aeroshell 15W50 oil. Cleaned, gapped, tested and rotated spark plugs. Completed a ground operational check and leak check. Compression after ground run on #1- 70. -----END-----

Authorized Signature: *Michael C. Lindsey* Details of the work performed is on file under Work Order No. 2073

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 F					Paul Fournet Air Service Inc. FAA Approved Repair Station HFBR633E Lafayette, LA (337) 237-0520 ENGINE LOG BOOK ENTRY N475RB MOONEY M20R S/N 29-0121 HM - 1045.7 TTAC - 1105.7 8-20-04 ENGINE - TCM IO-550-G6 S/N 808517-R - TSRB - 509.0 Compression checked engine 1-71/80 2-66/80 3-72/80 4-69/80 5-70/80 6-67/80. Changed oil and filter. Cut open old filter and inspected OK. Serviced with Shell W100 oil. Checked mag timing. Installed new spark plugs. C/W AD Note 84-26-02 by cleaning and inspecting air filter. Inspected all fuel and oil lines and all intake and exhaust systems. Sent muffler to Dawley Aviation to repair crack - reinstalled after repair. Inspected all engine controls and mounts. Inspected engine and all accessories. END.
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION TOTAL TIME <u>TSRB = 509.0</u> WORK ORDER <u>1299-1300</u> DATE <u>8-20-04</u> <u>[Signature]</u> AUTHORIZED SIGNATURE PAUL FOURNET AIR SERVICE, INC. FAA CERTIFIED REPAIR STATION HFBR633E MUNICIPAL AIRPORT, LAFAYETTE, LA					
10-30-04			Hobbs	1085.5	Changed Oil + filter, filled w/ 8 Qts W100 Aero Shell, Ran Engin + leak check, none found. ops normal, checked ok. <u>[Signature]</u> #43568551 PMA
2-20-05			Hobbs	1128.1	Changed Oil + Filter, filled w/ W100 Aero Shell, Ran Engin + leak check, none found, ops normal checked ok. <u>[Signature]</u> #43568551 PMA cleaned + gapped valves + reinstalled + checked Compression - #1 4/80 #2 7/80 #3 7/80 #4 6/80 #5 7/80 #6 7/80 <u>[Signature]</u> #43568551 PMA
5-7-05			Hobbs	1171.0	Changed oil + filter, filled with 8 Qts of Aero Shell W100, cut filter + no metal found, Ran engine + leak checked, none found, ops normal. Check ok <u>[Signature]</u> PMA #43568551

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					Paul Fournet Air Service Inc. Lafayette, LA (337) 237-0520 ENGINE LOG BOOK ENTRY N475RB MOONEY M20R S/N 29-0121 HM - 1215.3 TTAC - 1105.7 8-10-05 ENGINE - TCM IO-550-G6 S/N 808517-R - TSRB - 678.6 Compression checked engine 1-74/80 2-70/80 3-74/80 4-72/80 5-76/80 6-70/80. Changed oil and filter. Cut open old filter and inspected OK. Serviced with Shell W100 oil. Checked mag timing. Cleaned and gapped spark plugs. C/W AD Note 84-26-02 by installing new air filter. Inspected all fuel and oil lines and all intake and exhaust systems. Inspected all engine controls and mounts. Inspected engine and all accessories. END.
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr Annual</u> INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION TOTAL TIME <u>TSRB = 678.6</u> WORK ORDER <u>1665-1666</u> DATE <u>8-10-05</u> <u>[Signature]</u> JERED J. BIJEUX JERED J. BIJEUX IA 002766091					
9-13-05					T-hobbs - 1261.1 - change oil and filter - cut open old filter and inspect ok - no metal engine with Shell W100 oil - wash engine - run up check ok - Transfer light <u>[Signature]</u> #43568551 PMA
12-23-05			Hobbs	1293.0	Changed oil + filter, filled w/ W100 Aero Shell, Ran Engin + leak check, none found, cut filter, all ok, ops normal, cleaned + gapped spark plugs. <u>[Signature]</u> PMA #43568551

Make: Teledyne Continental Motors
 Model: IO550G(6)
 Serial No.: 808517-R



Date: 02/13/2006
 Hobbs Time: 1305.6
 Total Time: 768.9

TCM Mattituck Service 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: Inspected engine installation. Compression/80 psi. #1-70, #2-58, #3-64, #4-65, #5-68, #6-66. Master orifice reading was 44 psi. Borescoped cylinders. Cleaned fuel nozzles. Set fuel system in accordance with TCM SID-3C and Mooney specifications. Completed a ground operational check and leak check. ---END---

Authorized Signature For Repair Station ID4R254M: [Signature]
 Details of the work performed is on file under Work Order No. 2803

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	→				
4-2-2006	Hobbs	1327			Changed oil + filter filled w/8 qts W100 AeroShell, Ram, Leak Check + none found, Replaced spark plugs #1 & #3 2E Ram + checked, ok @ this time 4-2-2006 by Jim Bane pilot #43568551
7-6-2006	Hobbs	1363.3			Changed oil + filter, filled w/8 qts of W100 AeroShell, Ram, Leak Check + none found, ops normal cut filter + all ok Jim Bane 7/6/2006 pilot #43568551



Paul Fournet Air Service
Lafayette, LA.
337-237-0520

(TTAC 1438.4)

N 475RB HOBBS 1378.4 LNDGS N/A DATE 8-7-2006

Engine IO-550-G6 S/N 808517-R T.T. 1378.4 T.S.O. 841.7

Performed an Annual Inspection I/A/W Paul Fournet Air Service Single Engine Inspection Form and the Mooney M20R Maintenance Manual per FAR App. D and the following Discrepancies were corrected.

1. Drained oil. Removed filter and inspected, no metal found at this time. Installed new CH48109-1 filter and serviced engine with 8 quarts of Aeroshell 100W Plus oil.
2. Compression checked as follows: #1 73/80, #2 69/80, #3 73/80, #4 67/80, #5 75/80 and #6 68/80.
3. Tightened rocker box cover screws as required, no leaks noted at this time.

Aircraft ground run and leak check satisfactory at this time.

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED
IN ACCORDANCE WITH A Annual 100 hr
INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION
TOTAL TIME 841.7
WORK ORDER 8053
DATE 8/7/06
James J. Bujump IA 002766091
JERED J. BIJEUX
IA 002766091

10-20-2006	Tach	1476.8			Changed oil + filter, filled w/8 qts W100 Aero Shell Ram Engine, Leak Check filter #48109-1 + engine, none found, ops normal, cut filter all ok, checked + Ram, ok @ this time pilot Jim Bane 10/20/2006 #43568551
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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	→				
1/13/2007	Tach	1507.0			Changed oil + filter w/8 qts of W100 AeroShell, Ram + Leak Check, none found, ops normal @ this time Jim Bane 1/13/07 pilot #43568551

Make: Teledyne Continental Motors
Model: IO550G(6)
Serial No.: 808517-R



Date: 02/19/2007
Hobbs Time: 1515.2
Total Time: 978.5

TCM Mattituck Service 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: Inspected engine in accordance with the Mooney M20R maintenance manual 100 hour check list. Compression/80 psi. #1-70, #2-68, #3-62, #4-61, #5-72, #6-68. Master orifice reading was 44 psi. Cleaned fuel nozzles. Cleaned, gapped, tested and rotated spark plugs. Completed a TCM 500 hour magneto inspection on left and right mags. Completed a ground operational check and leak check. -----END-----

Authorized Signature For Repair Station ID4R254M: Michael C. Ginday
Details of the work performed is on file under Work Order No. 3254

5/14/2007	Tach	1548.9			Changed oil + filter w/8 qts of W100 Aero Shell W100, CH48109-1 filter, Ram + leak check, none found, ops normal @ this time Jim Bane 5/14/2007 pilot #43568551
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ENGINE MODEL: IO-550G6
ENGINE S/N: 808517-R
REG. NO: N475RB
WORK ORDER:
862-08-2007



Don Maxwell Aviation Services, Inc.
390 Central Road - East Texas Regional Airport
Longview, Tx 75603
Phone: 903-643-9902

DATE: 8/15/2007
A/C TSN: 1583.8
ENG TT: 987.1
TSMOH: 987.1
TACH: 1583.8

Engine Entries

(3) Check engine for leaks. Clean & gapped plugs. Serviced injectors. Check mag timing & security. Check intake tubes for leakage. Check exhaust system for leaks.... (4) Change oil with 8 qts Aeroshell W100 and CH48109-1 filter. Customer had own oil sample.... (5) Compression Check as follows: #1 70, #2 59, #3 63, #4 58, #5 70, #6 60.... (13) Adjusted mag timing to spec, installed new locking hardware.... (15) Replaced #4 intake gasket.

I certify this engine has been inspected in accordance with a 100 hr. inspection and found in an airworthy condition. Don Maxwell A&P 1764050

DATE: 8/15/2007

SIGNED: Don Maxwell

Work Order: 862-08-2007

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N475RB Mooney Model: M20R S/N: 29-0121
Teledyne-Continental: IO-550-G S/N: 808517-R
12/03/07 Hobbs Time: 1619.3

1. Drained oil, replaced oil filter with new unit, P/N CH 48109, serviced with 8 qts. of Aeroshell W100.
2. Removed fuel pump, P/N 649364-4 S/N B01CA085, at rear of engine, due to leak for overhaul.
3. Reinstalled overhauled fuel pump.
4. Performed engine fuel set up procedure in accordance with S.I.D. 97-3D
5. Ops check good, no leaks found.

Eugene Powers
A&P2836220

Record
Inspections,

4/19/2008 Tach 1655.0 Changed oil + filter + filled w/ 8 qts Aeroshell W100, Cam + Leak checked (none found) Replace filter CH48109, Replaced 12 Spark plugs R#B32E, Compression checks #1 74/80 #2 65/80 #3 65/80 #4 70/80 #5 70/80 #6 78/80 Around check ops normal @ this time Pilot Jim Bory #3187993 4/19/2008

ENGINE MODEL: IO-550G6 Don Maxwell Aviation Services, Inc.
ENGINE S/N: 808517-R
REG. NO: N475RB 390 Central Road
WORK ORDER: Longview, Tx 75603
1040-08-2008 Phone: 903-643-9902

DATE: 9/12/2008
A/C TSN: 1689.3
ENG TT: 1092.6
TSMOH: 1092.6
TACH: 1689.3

Engine Entries

(3) Check engine for leaks. Clean & gapped plugs. Serviced injectors. Check mag timing & security. Check intake tubes for leakage. Check exhaust system for leaks.... (4) Changed oil & filter with 8 qts W100 and CH 48109 filter.... (5) Compression Check as follows: 1) 72, 2) 65, 3) 70, 4) 64, 5) 74, 6) 66.... (8) AD96-12-07 Magneto Impulse coupling inspection. AD no longer applicable. Next 500 hr inspection due @ 2015.2.... (17) Replaced all valve cover gaskets.

I certify this engine has been inspected in accordance with a 100 hr. inspection and found in an airworthy condition. Don Maxwell A&P 1784050

DATE: 9/12/2008

SIGNED: Don Maxwell

Work Order: 1040-08-2008

Printed by EBis 3 (datamedia.com)

2/22/2009 TACH 1716.0 HRS Changed oil + filter + Refilled with 8 qts Aeroshell W100, Replaced filter CH48109, Cam up, Leak checked. No Leaks found @ this time, ops normal @ this time Pilot Jim Bory #3187993 2/22/09

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.	
ENGINE MODEL: IO-550G6 Don Maxwell Aviation Services, Inc. ENGINE S/N: 808517-R REG. NO: N475RB WORK ORDER: 1229-06-2009 390 Central Road Longview, Tx 75603 Phone: 903-643-9902 DATE: 6/4/2009 SIGNED: <u>Don Maxwell</u> Work Order: 1229-06-2009 Printed by EBis 3 (datamedia.com)					
Engine Entries (1) Changed oil and filter with 8 quarts Aeroshell W100 and CH48109 filter.... (2) Replaced various adel clamps securing ducts and wire harnesses to engine mount.... (3) Removed, cleaned and reinstalled all plugs. Don Maxwell A&P 1784050 DATE: 6/4/2009 SIGNED: <u>Don Maxwell</u> Work Order: 1229-06-2009 Printed by EBis 3 (datamedia.com)					
SEPT 2, 2009 TACH 1776.6 HRS. (1179.9 TTSNEW) OIL AND FILTER CHANGED. SERVICED WITH 8 QTS. AEROSHELL W100 AND CH 48109 FILTER. COMPRESSION CHECKS AS FOLLOWS. (1) 67/80 (2) 65/80 (3) 74/80 (4) 69/80 (5) 74/80 (6) 67/80. PLUGS CLEANED AND GAPPED. MAG TIMING CHECKED. # 1 CYLINDER EXHAUST VALVE COVER REMOVED AND RESEALED. THE FOLLOWING LOW PRESSURE LINES WERE REPLACED. MANIFOLD AIR PRESSURE LINE FORWARD OF FIREWALL, BOTH FUEL FLOW DIVIDER DRAIN AND MANIFOLD DRAIN LINES WERE REPLACED. STOP DRILLED CRACK ON ENGINE Baffle AND REPAIRED RIGHT FORWARD Baffle SEAL. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON <u>Warren P. Bordelon</u> A&P 1807973					
12/21/2009	TAC	1804.0	HRS		Changed oil + filter, Refilled w/ 8 qts Aeroshell W100, Replaced CH48109 filter, Cam, Leak checked. No Leaks found @ this time, ops normal, Returned to Service @ this time. Pilot <u>Jim Bory</u> #3187993
4/1/2010	TAC	1821.0			Changed oil + filter, Refilled w/ 8 qts Aeroshell W100, Replaced CH48109 filter, Cam, Leak checked. No Leaks found @ this time, ops normal, Returned to Service, Pilot <u>Jim Bory</u> #3187993 4/1/10

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 →					
6/24/10	TACH	1848.1	Changed Oil w/ 8 QTS W100 + + Replaced filter CH48109, ops normal, Leak Check, none found, Return to Service 6/24/10 Jim B pilot #3187993		

Make: Teledyne Continental Motors
Model: IO550G8
Serial No.: 808517



Date: 07/27/2010
Tach Time: 1855.2
Total Time: 1258.5

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: Removed all 6 cylinders. Installed repaired low time cylinders. Cylinder serial numbers. #1 - AC06FC769, #2 - AC06FC718, #3 - AC06GA502, #4 - AC06IC147, #5 - AC06FC719, #6 - AC06GA500. Installed cylinders with new pistons, rings, gaskets and seals. Cleaned, gapped and installed spark plugs. Cleaned fuel nozzles. Removed magnetos and installed left and right rotor shaft seals and left mag points. Installed and timed magnetos. Installed a factory new fuel pump P/N 655921-1A9, S/N B08HA196. Adjusted takeoff RPM. Completed a fuel system setup in accordance with TCM SID97-3E and Mooney Service Instructions M20-107. Completed ground operational checks, flight checks and leak checks. ---END---

Authorized Signature For Repair Station ID4R254M: Michael C. Gindsey
Details of the work performed is on file under Work Order No. 4627

OCT 1, 2010 TACH 1877.2 HRS. (1280.5 TTSNEW) (22.0 STO) OIL AND FILTER CHANGED. SERVICED WITH 8 QTS. AEROSHELL W100 AND CH 48109 FILTER. COMPRESSION CHECKS AS FOLLOWS. (1) 72/80 (2) 73/80 (3) 72/80 (4) 72/80 (5) 73/80 (6) 72/80. NEW PLUGS INSTALLED RHB32E. MAG TIMING CHECKED. AIR CONDITIONING COMPRESSOR DRIVE BELT REPLACED. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WARREN P. BORDELON
Warren P. Bordelon
A&P 1807973

1/27/11	TACH	1901.1	Changed Oil w/ 8 QTS W100 + + Replaced oil filter CH48109, ops normal, Leak Check + none found, Return to Service 1/27/11 Jim B pilot #3187993		
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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 →					
6/3/11	TACH	1932.1	Changed Oil w 8 QTS W100 + + Replaced oil filter CH48109, ops normal, Ram + Leak Check, none found @ this time, Return to service 6/3/11 Jim Bordelon pilot #3187993		

NOV 1, 2011 TACH 1958.6 HRS. (1361.9 TTSNEW) (103.4 STO) OIL AND FILTER CHANGED. SERVICED WITH 8 QTS. AEROSHELL W100 PLUS AND CH 48109 FILTER. COMPRESSION CHECKS AS FOLLOWS. (1) 76/80 (2) 75/80 (3) 77/80 (4) 76/80 (5) 78/80 (6) 76/80. MAG TIMING CHECKED. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WARREN P. BORDELON
Warren P. Bordelon
A&P 1807973

2/6/12	TACH	1979.0	Changed oil w/ 8 QTS W100 + + Am Jell, Replaced filter CH48109, Replaced 12 spark plugs RHB32-E, Ram + Leak Check ops normal @ this time, no leak found, Returned to service 2/7/12 Jim Bordelon pilot #3187993		
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Make: Continental Motors
Model: IO550G6
Serial No.: 808517-R



Date: 3/26/2012
Tach Time: 1989.6

FACTORY SERVICE CENTER

Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B


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: Compression check / 80 psi. #1-72, #2-72, #3-69, #4-68, #5-71, #6-74 ---END---

Authorized Signature for Repair Station 9CER853B: Kenneth A. May
Details of the work performed is on file under Work Order No. 5143

7/1/12	TACH	2013.5	Changed oil + filter, 8 QTS W100 + Aeroshell + CH48109 filter. Ram + Leak Check, none found @ this time, ops normal + Returned to service 7/1/12 Jim B pilot #3187993		
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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 →					
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINE MODEL 10-55038 ENGINE S/N 805517R REG. NO. N475RB WORK ORDER 1806-08-2012</p> <p>Don Maxwell Aviation Services, Inc. 290 Central Road Longview, TX 75603 Phone: 903-643-5902</p> </div> <div> <p>DATE: 9/7/2012 SIGNED: <i>Don Maxwell</i> Work Order: 1806-08-2012 Printed by EBis 3 (datcomedia.com)</p> </div> </div>					
1/24/13	TACH	2050.0	<p>Changed Oil + filter w/ 8 qts of W100 + / CH48109 filter. Ran + Leak Check, none found @ this time Ops normal + returned to service on 1/24/13 <i>Jim B. Pilot # 3187993</i></p>		
7/16/13	TACH	2084.4	<p>Changed Oil + filter w/ 8 qts of W100 + / CH48109 filter. Ran + Leak Check, none found @ this time + returned to service 7/16/13 <i>Jim B. Pilot # 3187993</i></p>		
<p>OCT 12, 2013 HOBBS 2096.6 TT ENGINE SINCE NEW 1499.9 STOCH 241.4 REMOVED AND REPLACED STARTER ADAPTER UNIT WITH OVERHAULED UNIT PN 642087A55 SN 13278 OVERHAULED BY AIRCRAFT ACCESSORIES INC. ENGINE INSPECTED AND PLUGS CLEANED AND ROTATED. COMPRESSION READINGS AS FOLLOWS: 1-76/80 2-67/80 3-74/80 4-74/80 5-76/80 6-67/80. AIR CONDITIONER COMPRESSOR BELT REPLACED. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON <i>Warren P. Bordelon</i> A&P 1807973</p>					
1/16/14	TACH	2108.8	<p>Changed Oil + filter w/ 8 qts W100 + CH48109 0.1 filter / Ran + checked / no leaks @ this time found ops normal return to service 1/16/14 <i>Jim B. Pilot # 3187993</i></p>		

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 →					
8-15-14	2125.1	TACH.	<p>REPLACED BOTH MAGS. WITH BLUE LABEL OVERHAULED MAGS FROM REPAIR STATION 9QFR310C. MAG PN'S - 10-500556-1 SN DOSKA388 AND DOIGR074 FUNCTIONAL CHECKS AND LEAK CHECKS WITH NO DISCREPANCIES. <i>Jim B. Pilot # 3187993</i></p>		
 NOBLE FLIGHT					
<div style="display: flex; justify-content: space-between;"> <div> <p>Aircraft: N475RB Tach: 2135.9</p> </div> <div> <p>Date: 09-25-14</p> </div> <div> <p>Serial # 29-0121 W.O. # 5227</p> </div> </div>					
<p>Uncowled engine. Inspected No.6 spark plugs. Checked ok. Repaired wires on EGT/CHT No. 5,6 cylinders. Installed heat shrink and heat wrap on wires. Cowled engine and performed run ups. Ops Check good. All work done IAW Mooney M20R A.M. M. Aircraft is approved for return to service for work performed.</p>					
<p>Mechanic: <i>Jim B. Pilot</i> A/P #2766091 IA Date: 7/25/14 Noble Flight Aircraft Services LLC • 205 Shepard Dr. Ste. 2 Lafayette, LA 70508 • 337.266.8991</p>					
<p>NOV 1, 2014 HOBBS 2136.2 TT ENG SINCE NEW 1539.5 281.0 STOCH OIL AND FILTER CHANGED. SERVICED WITH 8 QTS AEROSHELL W100 PLUS OIL AND CH 48109-1 FILTER. PLUGS CHECKED AND CLEANED. COMPRESSION CHECKS AS FOLLOWS: (1) 76/80 (2) 74/80 (3) 74/80 (4) 74/80 (5) 76/80 (6) 72/80 FUEL INJECTION LINE ON NUMBER ONE CYLINDER SECURED AT INDUCTION TUBE. VACUUM PUMP DRIVE ASSEMBLY REMOVED AND NEW OIL SEAL INSTALLED. NEW GASKETS INSTALLED UPON REASSEMBLY. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON <i>Warren P. Bordelon</i> A&P 1807973</p>					
1/16/15	TACH	2148.7	<p>Changed Oil + filter w/ 8 qts W100 + CH48109 filter / Ran + Leak Check / no leaks @ this time found ops normal + returned to service 1/16/15 <i>Jim B. Pilot # 3187993</i></p>		

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 →					
3-31-15	2153.6				MAGS SENT TO QUALITY AIRCRAFT SERVICES FOR INSPECTION AND FUNCTIONAL CHECK. MAGS REINSTALLED AND TIMED TO SPECS. ACTUAL QAS REPLACED IMPULSE COUPLING ON RT. MAG. RUN UP AND FUNCTIONAL CHECKS NORMAL. <i>[Signature]</i> APP1807973
4/29/15	2155.5				Replaced 12 - RHB32E Champion Spark plugs, Ops normal, Returned to service <i>[Signature]</i> p.10 #3187453
<p>DEC 1, 2015 HOBBS 2177.6 TT ENG SINCE NEW 1580.9 322.4 STO</p> <p>OIL AND FILTER CHANGED. SERVICED WITH 8 QTS AEROSHELL W100 PLUS OIL AND CH 48109-1 FILTER. PLUGS CHECKED AND CLEANED. COMPRESSION CHECKS AS FOLLOWS: (1) 77/80 (2) 74/80 (3) 72/80 (4) 71/80 (5) 69/80 (6) 74/80</p> <p>ENTIRE EXHAUST SYSTEM REMOVED AND SENT TO DAWLEY AVIATION FOR REPAIR. NEW GASKETS INSTALLED UPON REINSTALLATION. ENGINE AIR FILTER REPLACED WITH NEW FILTER. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>WARREN P. BORDELON <i>[Signature]</i> A&P 1807973</p>					
3-30-16	2191.2				INSTALLED TWO BLUE LABELED MAGS PN BL500556-1 SN DISKA 207R - LEFT POSITION. SN DISKA 209R - RIGHT POSITION MAGS TIMED TO SPECS. RUN UP NORMAL. RETURN TO SERVICE. <i>[Signature]</i> APP1807973
5/12/16	2192.7				Replaced Oil / filter w/ 8 qts W100 & CH48109 filter. Ran & Leak Check. None found @ this time, ops normal, returned to service 5/12/16 <i>[Signature]</i> #3187453

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 →					
<p>DEC 2, 2016 HOBBS 2224.8 TT ENG SINCE NEW 1628.1 369.6 STO</p> <p>OIL AND FILTER CHANGED. SERVICED WITH 8 QTS AEROSHELL W100 PLUS OIL AND CH 48109-1 FILTER. CAM GARD ALSO ADDED TO ENGINE OIL. PLUGS CHECKED AND CLEANED. COMPRESSION CHECKS AS FOLLOWS: (1) 71/80 (2) 71/80 (3) 71/80 (4) 71/80 (5) 74/80 (6) 73/80</p> <p>I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>WARREN P. BORDELON A&P 1807973 <i>[Signature]</i></p>					
5/15/2017					Replaced Oil, filter w/ 8 qts W100 & CH48109 filter. Ran, Leak check. None found @ this time, ops normal & returned to service 5/15/2017 <i>[Signature]</i> p.10 #3187453
<p>Reg.: N475RB Make/Model: Mooney M20R Serial No.: 29-0121</p> <p>CONTINENTAL FACTORY SERVICE CENTER Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B</p> <p>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.</p> <p>Work Performed: Replaced cylinder head/intake flexible drain hose. ---END---</p> <p>Authorized Signature for Repair Station 9CER853B: <i>[Signature]</i> Details of the work performed is on file under Work Order No. AC-7814</p> <p>Date: 7/21/2017 Tach Time: 2256.4</p>					
<p>Make: Continental Motors Model: IO550G6 Serial No.: 808517-R</p> <p>CONTINENTAL FACTORY SERVICE CENTER Continental Motors Factory Service Center, 8600 County Road 32, Fairhope, AL 36532 251-990-5080 FAA Repair Station No. 9CER853B</p> <p>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.</p> <p>Work Performed: Checked Cylinder Compression / 80 psi. #1-70, #2-73, #3-72, #4-73, #5-70, #6-73 with a master orifice of 45/80psi. Performed Borescope inspection of cylinders. Cylinder compression and borescope results indicate cylinders meet conditions for continued service. Cleaned fuel nozzles. Cleaned, gapped, tested, and rotated spark plugs. Installed new stainless throttle arm PN 656210. Verified Magneto external timing to be within specification. Adjusted fuel injection system using Continental Motors Publication M-0 and Mooney Aircraft Corp M20R Service and Maintenance Manual and Service Instruction M20-107 data and procedures. Performed ground operational and leak checks. ---END---</p> <p>Authorized Signature for Repair Station 9CER853B: <i>[Signature]</i> Details of the work performed is on file under Work Order No. AC-7814</p> <p>Date: 7/21/17 Tach Time: 2256.4</p>					

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					
DEC 13, 2017	TACH 2280.3		TT ENG SINCE NEW 2280.3	425.1	STOH ENGINE DRIVEN ALTERNATOR WAS REPLACED WITH 100 AMP/24V RATED UNIT P/N R-649304, S/N 017CA013R. FUNCTIONAL CHECKS WERE NORMAL. OIL AND FILTER CHANGED. SERVICED WITH 8 QTS AEROSHELL W100 PLUS OIL AND CH 48109-1 FILTER. CAM GARD ALSO ADDED TO ENGINE OIL. PLUGS CHECKED AND CLEANED. COMPRESSION CHECKS AS FOLLOWS: (1) 72/80 (2) 71/80 (3) 72/80 (4) 71/80 (5) 73/80 (6) 73/80 I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON A&P 1807973
4/20/18	Replaced Oil + filter w/ 8 qts Aeroshell w100 + CH 48109 filter, Ran, Leak Check + none found @ this time, ops normal + returned to service. in Randy P. #3187993				
TACH 2301.3					
FYI (Note 8 TT Engin (1704) @ 2301 TACH)					
DEC 2, 2018	TACH 2331.3		TT ENG SINCE NEW 2331.3	476.1	STOH OIL AND FILTER CHANGED. SERVICED WITH 8 QTS AEROSHELL W100 PLUS OIL AND CH 48109-1 FILTER. CAM GARD ALSO ADDED TO ENGINE OIL. PLUGS CHECKED AND CLEANED. COMPRESSION CHECKS AS FOLLOWS: (1) 74/80 (2) 72/80 (3) 76/80 (4) 71/80 (5) 76/80 (6) 71/80 I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON A&P 1807973
4/29/19	Replaced Oil + filter w/ 8 qts Aeroshell w100 + CH 48109 filter, Ran, Leak Check. none found @ this time, ops normal, returned to service. pilot #3187993				
TACH: 2354.5					
10/16/19	Replaced Oil + filter w/ 8 qts Aeroshell w100 + CH 48109 filter, Ran, Leak Check. none found @ this time, ops normal, returned to service. pilot #3187993				
TACH 2386.6					

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						
DEC 5, 2019	TACH 2389.2		TT ENG SINCE NEW 2389.2	TT ENG SINCE REMAN 1792.5	534.0	STOH REPLACED ALL 12 SPARK PLUGS WITH NEW CHAMPION RHB 32E PLUGS. ADEL CLAMP ON LEFT LOWER AIR DUCT IN COWL AREA WAS REPLACED WITH NEW CLAMP. MAG TIMING CHECKED. ALL VALVE COVER SCREWS WERE RETORQUED. COMPRESSION CHECKS AS FOLLOWS: (1) 75/80 (2) 73/80 (3) 74/80 (4) 74/80 (5) 74/80 (6) 72/80 I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON A&P 1807973
ENGINE MODEL: Western Airways LFT ENGINE S/N: REG. NO: N475RB WORK ORDER: LFT0609-03-2020 100 Jim Davidson Dr. Sugar Land, TX 77498 Phone: 337-266-8991						
DATE: 06 March, 2020 A/C TSN: ENG TT: TACH: 2395.6						
Engine Entries Customer request removal of engine driven vacuum pump... Removed cowlings. Removed engine driven vacuum pump p/n: 1U128-006, s/n: T44294H from aircraft engine. Installed gasket and plate. Leak check satisfactory. All maintenance performed on this Engine was performed in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed above. DATE: 06 March, 2020 SIGNED: Logan Romero, A&P: 4059321 Work Order: LFT0609-03-2020 Printed by EBis 3 (datcomedia.com)						
8/30/20	Replaced Oil + filter w/ 8 qts Aeroshell w100 + CH 48109 filter + 1-Camgard, Ran, Leak checked + none found @ this time, ops normal + returned to service. TACH: 2422.7 8/30/2020 pilot #3187993					
JAN 2, 2021	HOBBS 2436.0		TT ENG SINCE NEW 2436.0	TT ENG SINCE REMAN 1839.3	580.8	STOH OIL AND FILTER CHANGED, SERVICED WITH AEROSHELL W100PLUS AND CH48109 FILTER. MAG TIMING CHECKED. PLUGS CLEANED AND GAPPED. ENGINE MUFFLER REPLACED WITH REPAIRED UNIT PART NUMBER 630112-501 BY DAWLEY. COMPRESSION CHECKS AS FOLLOWS: (1) 72/80 (2) 74/80 (3) 78/80 (4) 72/80 (5) 76/80 (6) 76/80 I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WARREN P. BORDELON A&P 1807973
5/10/21	(2454.5 TACH) Replaced Oil, filter w/ 8 qts w100 + CH 48109 filter + 1-Camgard Ran, ops normal, Leak checked + none found @ this time, returned to service. pilot #3187993 5/10/21 @ TACH 2454.5					

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 →					
<div> <div> ENGINE MODEL: IO-550G6 ENGINE S/N: 808517-R REG NO: N475RB WORK ORDER 3470-07-2021 </div> <div> Don Maxwell Aviation Services, Inc. 390 Central Road Longview, Tx 75603 Phone 903-843-9902 </div> <div> DATE: 8/11/2021 A/C TSN: 2460.1 ENG TT: 1863.4 TSMCH: 1532.4 TACH: 2460.1 </div> </div>					
Engine Entries (8) Compression check #1-76, #2-76, #3-75, #4-75, #5-76, #6-72... (12) Installed new timing plug crush washer, retorqued and saftied.... (14) Replaced crankshaft breather hose with 3/4 clear hose.... (40) Changed oil with Aeroshell 100W and Champion CH48109 filter Don Maxwell 1734050 A&P					
DATE: 8/11/2021 SIGNED: <u>Don Maxwell</u> Work Order: 3470-07-2021 Printed by EBis 3 (datcomedia.com)					
<div> <div> MAKE: Mooney MODEL: M20R S/N: 29-0129 REG NO: N475RB WORK ORDER 3501-08-2021 </div> <div> Don Maxwell Aviation Services, Inc. 390 Central Road Longview, Tx 75603 Phone 903-843-9902 </div> <div> DATE: 8/13/2021 A/C TSN: 2460.1 TACH: 2462.1 </div> </div>					
Airframe Entries (1) Replaced prop gov with repaired unit Don Maxwell 1734050 A&P					
DATE: 8/13/2021 SIGNED: <u>Don Maxwell</u> Work Order: 3501-08-2021 Printed by EBis 3 (datcomedia.com)					

09-13-2021<>N475RB<>SN:24-0692<>Engine Logbook<>Model:M20R<>Tach:2469.6

Performed the following maintenance items:

1. Adjusted propeller governor to 2500 RPM per Mooney Aviation Company M20R Service and MM 71-00-52, 1&2, operational checked ok.
2. Re-torqued rocker cover screws and washed down engine, ground run, leak checked ok.
3. R&R #4 exhaust gasket with new, PN:652458, ground run, leak checked ok.

I certify that this work has been inspected and determined to be in airworthy condition and approved for return to service with respect to the work performed. Pertinent details are on file this repair station under invoice number SHO-21-5292.

Signature: Ryan Grenhoff Ryan Grenhoff

Byerly Aviation, Inc. Greater Peoria Airport **BYERLY AVIATION** Peoria, IL 61607 Certificate # 9BYR810B

Aircraft Maintenance Specialist, Inc.



11/19/2021 N475RB IO-550-6 (6) S/N 808517-R Tach 2486.5

"ENGINE LOG ENTRY"

- Drained oil and replaced it with 7 quarts of Aeroshell W100 oil
- Collected a Blackstone oil sample.
- Removed oil filter and cut open, inspected for debris with none found.
- Replaced filter with a new CH48109-1.
- Ground ran engine with no faults found.

R. Wallace

A&P3082871

Aircraft Maintenance Specialist, Inc.



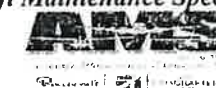
03/09/22 N475RB IO-550-G(6) S/N 808517-R Tach 2493.3 ACTT 2493.3

"ENGINE LOG ENTRY"

AD 20-16-11 crossflow cylinder assemblies is N/A by cylinder P/N's installed. C/W AD84-26-02 by replacing paper induction air filter P/N 600417-503, next due ACTT 2993.3. Performed compression check: #1 75/80, #2 70/80, #3 72/80, #4 75/80, #5 73/80, #6 70/80. Replaced #6 EGT probe. Adjusted fuel pump, engine idle and idle mixture in accordance with Continental maintenance manual chapter 6. Tightened and safetied propeller control rod end attach bolt. Replaced exhaust shroud inlet air duct. Engine run up and leak check ok. "I certify that this **ENGINE** has been inspected in accordance with an **ANNUAL** inspection per 14 CFR part 43, appendix D and was determined to be in an airworthy condition on this date, 03/09/22, Eng. TT 1896.6, Tach 2493.3."

Robert R. R.
A&P324746066IA

Aircraft Maintenance Specialist, Inc.



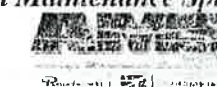
05/17/2022 N475RB IO-550-6 (6) S/N 808517-R Tach 2502.2

"ENGINE LOG ENTRY"

- Drained oil and replaced it with 7 quarts of Aeroshell W100 oil
- Collected a Blackstone oil sample.
- Removed oil filter and cut open, inspected for debris with none found.
- Replaced filter with a new CH48109-1.
- Ground ran engine with no faults found.

R. Wallace
A&P3082871

Aircraft Maintenance Specialist, Inc.



10/04/2022 N475RB IO-550-6 (6) S/N 808517-R Tach 2524.4

"ENGINE LOG ENTRY"

Drained oil and replaced it with 7 quarts of AeroShell W100 oil. Collected a Blackstone oil sample. Removed oil filter and cut open, inspected for debris with none found. Replaced filter with a new AA48109-2. Ground ran engine with no faults found.

Robert R. R.
A&P324746066

Aircraft Maintenance Specialist, Inc.



02/14/2023 N475RB IO-550-6 (6) S/N 808517-R Tach 2537.6

"ENGINE LOG ENTRY"

- Drained oil and replaced it with 7 quarts of Aeroshell W100 oil.
- Collected a Blackstone oil sample.
- Removed oil filter and cut open, inspected for debris with none found.
- Replaced filter with a new AA48109-2.
- Adjusted Propeller Governor Stop Screw for max takeoff RPM IAW the aircraft POH.
- TT 2537.6
- Ground ran engine with no leaks or faults found.

R. Wallace
A&P3082871

