

LYCOMING

A Textron Company

ENGINE LOG

ENGINE MODEL T10-540-AF1B

ENGINE SERIAL NUMBER L12240-61A

AIRCRAFT MODEL Mooney M20M

AIRCRAFT SERIAL NUMBER 27-0353

AIRCRAFT REGISTRATION NUMBER N131US

SSP-1872-1

N69MB

LYCOMING

A Textron Company

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

27-0353
M20M
N131VS

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF LYCOMING T10-540-AF1B L12240-61A
MAKE MODEL SERIAL

FROM _____ 20 _____ TO _____ 20 _____

DETAILING TIME FROM _____ TO _____
HOURS HOURS

SSP-1872-1

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October 1994

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL TIO-540-AF1B

SERIAL NO. L-12240-61A

DATE NOV 07 2005

Timothy Lardner

(AUTHORIZED REPRESENTATIVE)

LYCOMING

A Textron Company

LYCOMING ENGINES

652 Oliver Street

Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)

Ocean Air
flight services, inc.
170 Aviation Way (831) 763-0290
Watsonville, CA 95076 KWVI

Date: 6/20/00 N131US S/N:27-0353 Tach:36.5 AFTT:36.5

Changed oil and filter, serviced with 10 qt. Aeroshell 15W50 and CH48110-1 filter, no unusual contaminants in filter or screen. Replaced baffle attach screws as needed, tightened oil return lines for #2 & #4, adjusted manifold pressure, installed chafe protection for #3 & #4 sparkplug leads, serviced tire pressures, replaced 2 elevator static wicks.

I certify that the above work was performed in accordance with current regulations of the FAA and is approved for return to service.

Dudley Clark

Dudley Clark

AP549580786IA

Ocean Air
Flight Services, Inc.

Ocean Air
flight services, inc.

170 Aviation Way (851) 763-0290
Watsonville, CA 95076 KWWI

Date:11/13/06 N131US S/N:27-0353 Tach:63.7 AFTT:63.7

Eng. Model TIO540AF1B, s/n L-12240-61A Eng TT: 63.7
 Changed oil and filter, serviced with 12 qt. Aeroshell 15W50 and
 CH48110-1 filter, serviced suction screen and checked filter. No unusual
 contaminants noted. Oil sample taken for analysis.
 Serviced tires, checked lights.
 Washed engine, run up and leak check ok.

I certify that the above work was performed in accordance with current regulations of the ~~FAA~~ and is approved for return to service.

Dudley Clark

FAA and is approved for return
Wesley Clark

AP5495807861A

Serial No.

[illegible]

**Repair Data Must Bear the Endorsement of a
Certified Mechanic, and his Rating and
License Number MUST be Shown.**

ENGINE LOG

Serial No.

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ENGINE LOG

Serial No. _____

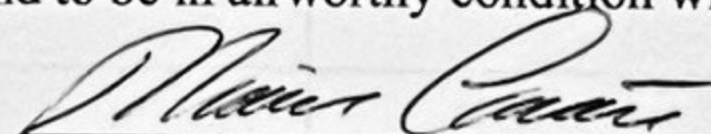
2/1/07 N131US TIO-540-AF1B Engine S/N L-12240-61A Eng TT: 106.9

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mber

Complied with a 100 Hour/Annual inspection IAW the Textron Lycoming TIO-540 Operators Manual and the Mooney Service Manual 5-20-06 to include the following items: Complied with recurring AD 2003-14-03 (Torque check of fuel pump) and no defects noted at this time. Next due at 206.9 hours.

Complied with recurring AD 2002-26-01 (Inspection of fuel injection lines) and no defects noted at this time. Next due at 206.9 hours. AD's current thru 2007-02. Complied with a compression check with the following results: #1 75/80, #2 75/80, #3 76/80, #4 77/80, #5 77/80, and #6 76/80. Cleaned, inspected, gapped, and reinstalled spark plugs.

This engine has been inspected IAW an annual inspection and was found to be in airworthy condition with respect to the work performed.



Michael Cantrell A&P2818792IA

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
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			Total to Date	

ENGINE LOG

Serial No. _____

Date

Time

Hrs Min

REPAIRS - ADJUSTMENTS

Scott Aircraft, Inc.

Signature

License
Number**Fresno Yosemite International Airport****PO Box 8164, Fresno CA 93747**

PH (559) 252-2926 Fax (559) 252-7837

Engine Log

3/20/07, W.O. #10416 & 10417, N131US, Mooney M20M, Tach 122.6 Hrs., Changed oil (Aeroshell 15w50) and oil filter. Cut open and inspected oil filter, no metal noted. Oil sample taken for analysis. Replaced starter with new starter p/n 149-24LS, s/n F4L250601. Operational checks good at this time.

Stephen Denney, A&P 559877276 IA



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Total to Date

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ENGINE LOG

Serial No. _____

Pro-Flight Aviation, Inc.

243 W. Perimeter Rd. Renton, WA 98055

5/31/2007 Mooney M20M

N131US

Flight Hobbs: 154.1

Changed oil and filter. Inspected old filter – no contamination found. Serviced engine with 10qts Aeroshell 15W50 oil. Run up and leak check O.K.--END—

B.A. Paholke

B.A. Paholke

A&P 468781561

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License
Number

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ENGINE LOG

Serial No. _____

Pro-Flight Aviation, Inc.

243 W. Perimeter Rd. Renton, WA 98055

71/2/2007

Mooney M20M

N131US

Hobbs: 184.1

Changed oil and filter. Oil filter inspected - no metal found. Serviced engine with 10qts
Aeroshell 15W50 oil. -----END-----

Markus Bosch

Markus Bosch

A&P 3139438

Signature

License
Number

Page Total

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Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

Pro-Flight Aviation, Inc.

243 W. Perimeter Rd. Renton, WA 98055

Serial No.

License
Number

3/10/2008

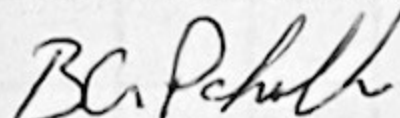
Mooney M20M

N131US

Hobbs: 201.2

Engine TT: 201.2

Annual inspection completed this date. Compression test results: #1) 75/80 #2) 72/80 #3) 75/80 #4) 76/80 #5) 77/80 #6) 76/80 Changed oil and filter – serviced with 10qts Aeroshell 15W50 oil. Inspected old filter – no metal found. Cleaned, gapped, and rotated spark plugs. Adjusted magneto timing. All applicable A.D.s complied with through 2008-04. NOTE: A.D. 2003-14-03 is not applicable - "/M" suffix in part number. I certify that this engine has been inspected in accordance with an annual inspection and was found to be airworthy. —END--



B.A. Paholke

IA 468781561

Page Total

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Total to Date

All Repair Data Must Bear the Endorsement of a
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Certificate Number MUST be Shown.

MAKE: Mooney
MODEL: M20M
S/N: 27-0353
REG NO: N131US
WORK ORDER: 18326



APR Aviation, Inc.

5041 E. Andersen Ave
Fresno, California 93727
Phone: 800-982-8466

DATE: 9/26/08
A/C TSN:
TACH:

Date

Airframe Entries

(1) Performed oil and filter change. Run up leak test good.

The aircraft identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service in respects to the work completed. A copy of this repair is on file at this agency.

DATE:

9/26/08

SIGNED:

A handwritten signature in black ink, appearing to read "Robert Lawrence", written over a horizontal line.

Work Order: 18326

Robert Lawrence, A&P: 1992735

Printed by EBis 3 (datcomedia.com)

Signature

License
Number

1 of 1

Brought Forward

Total to Date

Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

Signature of a

ENGINE LOG

Serial No. _____

N131US, 04-10-09, 235.9 Hobbs, 235.9 TTAF, Engine & Propeller. C/W Mooney 100 hr type Annual Inspection Checklist. Airworthiness Directives C/W through issue 04, 07/08

C/W AD 04-10-14, Lyc Prop Strike, N/A by on condition

C/W AD 08-14-07 Ext. Mounted Fuel Injector lines, Next due @ 335.9 TT **235.9**

AD 09-02-03, Precision RSA-5 Fuel Injection unit, N/A by not installed Time frame, one time

AD 08-19-05, ECI Cly P/N 65102 series, N/A by not installed.

AD 07-05-04, Upper Enginr mount PCW 12/18 /06 SB M20-291a & SB M20-292, one time

AD 03-13-17, Props by T & W Propeller, N/A by not installed

AD 05-14-11, Props by So Cal Prop, N/A by not installed.

Compression @ #1-78, #2-78, #3-80, #4-78, #5-79, #6-78, Plugs cleaned and rotated.

O2 cly hydrostatic test revised to 5 years as per DOT SP-1194 cert base next due @ sept 2011.

Original O2 bottle stamped into service Sept 2006. Battery boxes inspected, Batt no service required. Fuel filter cleaned, no sediment. Oil filter cut open, no metal. Installed new Champ 48110-1. Exhaust system inspected, no leaks. TKS system checked for operation, satisfactory.

Retraction system accomplished, all horns and lights operational. ELT FAR 91:207 D C/W Batt date 03/11.

Checked turbo blades in and out, resafted all Turbo clampd,(4). serviced Hyd system.

Installed new Airfilter P/N EDO 4028, Spruce P/N 08-07056. Installed new fuel cap O-Rings P/N

MS29513-338. Pulleys, cables and controls inspected for security, function and freedom of movement, lubed as needed. Post ops leak check satisfactory. I certify this Airframe and Engine

is approved for return to service as per FAR 43:11, A, 1, (4) (5) END Roland W. Johnson

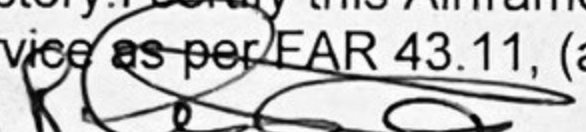
Mgr FAA-LLC, 1713979 IA Roland W. Johnson

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ENGINE LOG

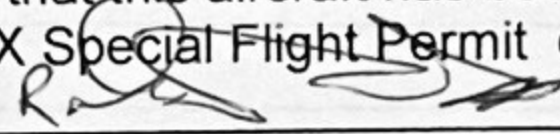
Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

N131US, 06-15-10, 262.3 Hobbs, 262.3 TTAF Engine & Propeller. C/W Mooney 100 hr type Annual Inspection Checklist. Airworthiness Directives C/W through issue 19:, 12/13
C/W AD 04-10-14, Lyc Prop Strike, N/A by on condition
C/W AD 08-14-07 Ext. Mounted Fuel Injector lines, Next due @ 362.3 TT
AD 07-05-04, Upper Enginr mount PCW 12/18 /06 SB M20-291a & SB M20-292, one time
AD 09-26-12, ECI cyl assemblies P/N AEL65102 series N/A by not installed
Compression @ #1-76, #2-77, #3-80, #4-76, #5-75, #6-75, Plugs cleaned, tested and rotated.
O2 cly hydrostatic test revised to 5 years as per DOT SP-1194 cert base next due @ sept 2011.
Original O2 bottle stamped into service Sept 2006. Battery boxes inspected, Batt no service required.
Fuel flttr cleaned, no sediment. Oil filter cut open, no metal. Installed new Champ 48110-1.
Exhaust system inspected, no leaks. TKS system checked for operation, satisfactory. installed 9 qrts
Aeroshell 15-50 wt Retraction system accomplished, all horns and lights operational. ELT FAR 91:207
D C/W Batt date 03/11. Checked turbo blades in and out, resaftied all Turbo clampes, (4). serviced Hyd system.
Pulleys, cables and controls inspected for security, function and freedom of movement, lubed as needed
Post ops leak check satisfactory. I certify this Airframe and Engine
is approved for return to service as per FAR 43.11, (a)(4)(5) END Roland W. Johnson
Mem FAA-LLC, 1713979 IA 

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
N131US, 08-15-2011,	296	-2	TT, I certify that this aircraft has been inspected and is found safe for the intended flight in accordance with FAA FAX Special Flight Permit dated Aug. 9 th 2011. END		
Roland W Johnson	1713979	IA	mem FAA-LLC 		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
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ENGINE LOG

Serial No. _____

N131US, 08-20-11, 296.2 Hobbs, 296.2 TTAF, Engine & Propeller. C/W Mooney 100 hr type Annual Inspection Checklist. Airworthiness Directives C/W through issue 11, 16/17

C/W AD 04-10-14, Lyc Prop Strike, N/A by on condition

C/W AD 08-14-07 Ext. Mounted Fuel Injector lines, Next due @ 396.2 TT

AD 09-02-03, Precision RSA-5 Fuel Injection unit, N/A by not installed Time frame, one time

AD 09-26-12, ECI Cly P/N 65102 series, N/A by not installed.

AD 07-05-04, Upper Engine mount PCW 12/18 /06 SB M20-291a & SB M20-292, one time

AD 11-13-03, Machining debris, N/A by not installed.

AD 11-15-10, AVStar Fuel system, N/A by not installed.

Compression @ #1-78, #2-76, #3-78, #4-77, #5-78, #6-77, Plugs cleaned and rotated.

O2 cly hydrostatic test C/W by Fire King Inv.# 892342, next 08/2016.

Battery boxes inspected, Batt no service required. Fuel filter cleaned, no sediment. Oil filter cut open, no metal.

Installed new Champ 48110-1. Exhaust system inspected, no leaks. TKS system checked for operation,

satisfactory. Retraction system accomplished, all horns and lights operational. ELT FAR 91:207 D C/W

Batt date 05/2014. Checked turbo blades in and out, resafted all Turbo clamps,(4). serviced Hyd system.

Installed new Ice light P/N PS-044011. Pulleys, cables and controls inspected for security, function and freedom of movement, lubed as needed. Post ops leak check satisfactory. I certify this Airframe and Engine

is approved for return to service as per FAR 43.11, (a)(4) (5) END Roland W. Johnson

Mem FAA-LLC, 1713979 IA

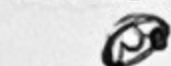
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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			

Date: 8/14/2012 N131US 2006 M-20M S/N 27-0353



TACH: 343.7 Hobbs: 348.8 SNEW: 343.7

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was found to be in an AIRWORTHY condition. The following work was performed: changed oil and filter, cut and inspected filter, no metal found. Serviced engine with 10qts AS 100. Removed spark plugs, cleaned gapped, rotated and reinstalled. Checked engine timing, inspected all exhaust components, and lubed all push pull engine control cables. Performed ground run and checked idle speed and mixture. All work was performed according to current FAR's and is approved for return to service.

Compression: 1) 77 2) 76 3) 74 4) 74 5) 74 6) 76

Mark W Tripp 594584206IA *Mark Tripp* 8-14-2012

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Serial No. _____

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ENGINE LOG

Serial No. _____



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

nse
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Date: 7/25/2013; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 421.50; Tach:; Total Time: 421.50; Engine - Type: LYC
TIO-540-AF1B, S/N:; Time:
Shop Order #: S-13-0856

1) Oil & Filter Changed, serviced with 9 Qts. AeroShell 15w50. Filter cut open & inspected. Ground run & leak checked.

David E. Routh

David Routh, A&P 3047215

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ENGINE LOG

Serial No. _____



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

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ber

Date: 9/25/2013; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 431.40; Tach:; Total Time: 431.40; Engine - Type: LYC
TIO-540-AF1B, S/N:; Time: 431.40
Shop Order #: S-13-0879, Closed: 9/25/2013

- 1) Removed both Magnetos & inspected internally per Slick / Unison 500 hr inspection & service information.
Re-installed, timed, sync and ground run - OK..
- 2) Compression Ck: Cyl# 1- 76/80, #2-74 /80, #3- 76/80, #4- 76/80, #5- 78/80, #6- 75/80
- 3) Replaced all 12 Spark Plugs w/ new Champion RHB37E
- 4) C/W AD 2011-26-04 by inspection of fuel injection system per Lyc. MSB 342E - next inspection due by 531.4 TT


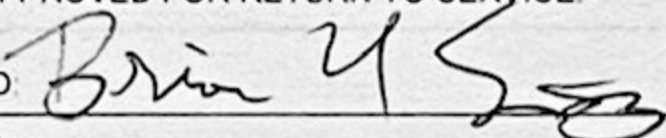
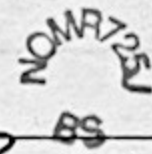
This Engine & propeller have been Inspected in accordance with an Annual Inspection and has been determined to be Airworthy.

Charles McPhee, A&P 3476507 IA

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			<p>ENGINE MODEL: TIO-540-AF1B ENGINE S/N: REG. NO: N131US WORK ORDER: 3553-04-2014</p> <p> NORTH AMERICAN FLIGHT SERVICES</p> <p>North American Flight Services Repair Station No. N0MR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470</p> <p>DATE: 17 April, 2014 A/C TSN: 477.9 ENG TT: TSMOH: TACH: 477.9</p> <p>Engine Entries</p> <p>DRAINED OIL. REMOVED OIL FILTER AND CUT OPEN, NO DEFECTS NOTED. INSTALLED NEW FILTER P/N: AA48110-2 PER TEMPEST INSTRUCTIONS AND SAFTIED. ADDED 10 QTS OF AEROSHELL 15W-50 OIL. ENGINE OPS CHECK AND LEAK CHECK GOOD. WORK PERFORMED IAW MOONEY M20M AMM CHAP. 12.</p> <p>I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE.</p> <p>DATE: 17 April, 2014 SIGNED:   Work Order: 3553-04-2014</p> <p>Brian Strange Certified Repair Station No. N0MR725J</p> <p>Printed by EBis 3 (datcomedia.com)</p>		
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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

Date: 6/06/2014; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 481.10; Tach:; Total Time:; Engine - Type: LYC
TIO-540-AF1B, S/N:; Time:
Shop Order #: S-14-0971, Closed: 6/06/2014

1) Installed Engine driven rotary fuel pump after overhaul by Quality Acft. Accessories. pn: RG17980U/M-C/P sn: C6164.
Ground run to check pressure & mixture settings. Leak Ck. - OK

David Routh, A&P 3047215

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

Date: 7/01/2014; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 484.20; Tach:; Total Time: 484.10; Engine - Type: LYC
TIO-540-AF1B, S/N:; Time:

Shop Order #: S-14-0977, Closed: 8/14/2014

Discrepancy: 1

- a) Removed complete Exhaust system - sent out for Inspection and repairs as required to Aerospace welding - Minneapolis.
- b) Installed Exhaust system after overhaul w/ new exhaust gaskets & coupling seals. Ground run & leak Ck'd. Cool and re-torque system, repeated and checked torque again.
- c) Replace turbine inlet Temp probe with new. (lost sensitivity) All EGT's normal.

David Routh, A&P 3047215

David E. Routh

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ENGINE LOG

Serial No. _____

Date	Time	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
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Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

Date: 10/10/2014; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 519.30; Tach:; Total Time: 519.30; Engine - Type: LYC TIO-540-AF1B, S/N:; Time:

Shop Order #: S-14-1032, Closed: 10/14/2014

1) Oil & Filter Changed, serviced w/ 10 Qts Aeroshell 15w50 Filter cut open & inspected. Ground run & leak checked.

2a) Removed Precision Fuel Servo model RSA-5AD1 Pn: 61J21008 Sn: 70A72205.

Sent to Penn Yan Aero services for inspection & Repair as necessary.

(Fuel & air diaphragms replaced. see Penn Yan W/O# 40516-14 dated 10/9/14)


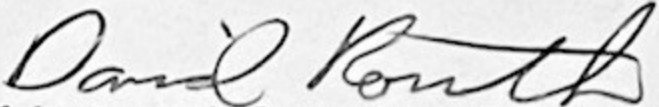
2b) Installed repaired servo, Leak Ck'd and ground run. Idle mixture adjusted as needed.

3) Compression Ck: Cyl# 1-75/80, #2-74/80, #3-76/80, #4-76/80. #5-76/80, #6-75/80

This Engine & propeller have been Inspected in accordance with an Annual Inspection and has been determined to be Airworthy.

David Routh, A&P 3047215 IA

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			<p style="text-align: center;">Rich Air 443 Queensbury Avenue Warren County Airport (GFL) Queensbury, NY 12804 Tel 518-798-3091 Fax 518-615-0774</p>  <p>RICH AIR <small>GLENS FALLS LAKE GEORGE</small></p> <p>Date: 7/31/2015; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs;; Tach;; Total Time;; Engine - Type: LYC TIO-540-AF1B, S/N:, Time: Shop Order #: S-15-1145</p> <p>1) Oil & Filter Changed, serviced with 7 Qts Aeroshell 15w50. Filter cut open & inspected. Ground run & leak checked.</p> <div style="text-align: right;">  David Routh, A&P 3047215 </div>		
			Page Total	All Repair Data Must Bear the Endorsement of a Certified Mechanic, and his Rating and Certificate Number MUST be Shown.	
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ENGINE LOG

Serial No. _____



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

Date: 11/10/2015; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 612.9; Total Time: 612.9; Engine - Type: LYC
TIO-540-AF1B, S/N: , Time: 612.9

Shop Order #: S-15-1192

- 1) Oil & Filter Changed, serviced with 10 Qts. AeroShell 15w50 oil. Filter cut open & inspected. Ground run & leak checked.
- 2) Compression Ck: Cyl# 1- 76/80, #2- 74/80, #3- 76/80, #4- 75/80, #5- 75/80, #6- 75/80
- 3) Cleaned & gapped spark plugs - mag. timing checked.
- 4) Engine air filter cleaned & inspected - replacement due by 735 hobbs (or on condition)
- 5) C/W AD 2015-19-07 by inspection of fuel injection system per Lyc. MSB 342G - next inspection due by: 722 hobbs.

This Engine & propeller have been Inspected in accordance with an Annual Inspection and has been determined to be Airworthy.

Charles McPhee, A&P 3476507 IA

			Page Total
			Brought Forward
			Total to Date

All Repair Data Must Bear the Endorsement of a
Certificated Mechanic, and his Rating and
Certificate Number MUST be Shown.

ENGINE LOG

Serial No.

[illegible]

ENGINE LOG

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
12/1/18			Hobbs 649		
			This Aircraft & Propeller have been inspected		
			in accordance with an annual inspection & have		
			been found to be Airworthy		
			clw mch AP3476507 IA		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

Serial No. _____



Rich Air
443 Queensbury Avenue
Warren County Airport (GFL)
Queensbury, NY 12804
Tel 518-798-3091 Fax 518-615-0774

Use
ber

Date: 4/05/2018; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs: 693.9; Total Time: 693.9; Engine - Type: LYC TIO-540
-AF1B, S/N: , Time: 693.9
Shop Order #: S-18-1477, Closed: 4/05/2018

- 1) Oil & Filter Changed, serviced with 10Qts AeroShell 15w50. Filter cut open & inspected. Ground run & leak checked.
- 2) Retimed Right Magneto to 20* BTDC
- 3) Compression Ck: Cyl# 1- 76/80, #2- 76/80, #3- 76/80, #4- 76/80, #5- 75/80, #6- 78/80
- 4) C/W AD 2015-19-07 by inspection of fuel injection system per Lyc. MSB 342G - next inspection due by: 795 hrs
AD 2017-16-11 -Lyc. connecting rods - N/A by Mod. Sn. & date of O/H (Mfr.)

This Engine & propeller have been Inspected in accordance with an Annual Inspection and has been determined to be Airworthy.

David E. Routh

David Routh, A&P 3047215 IA

			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
			Brought Forward	
			Total to Date	

Serial No. _____

[illegible]

Rich Air
443 Queensbury Ave
Warren County Airport (KGFL)
Queensbury, NY 12804

Tel: 518.798.3091 Fax: 518.615.0774

Date: 8/23/2021; Aircraft: N131US; Type: M20M; S/N: 27-0353; Hobbs:; Total Time: 735.0;
Engine - Type: LYC TIO-540-AF1B, S/N:; Time: 735.0

1.C/W Annual inspection

2.. C/W AD 2015 -19-01 Fuel injection lines per par(c) & MSB342G, next inspection
due w/i 110 hrs ,at overhaul or system maintenace

3.Comp. 1.76/80 2. 75/80 3. 72/80 4. 70/80 5. 73/80 6. 78/80

4. Oil and filter change 10 qts Aeroshell 15w50 and CH48110-1 filter

5. Magneto timing checked and found to be 20deg BTDC

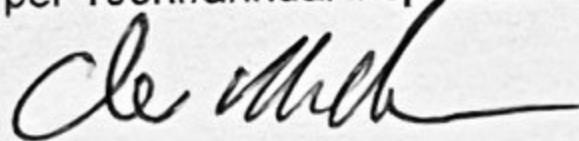
6. Spark plugs cleaned and gapped

7. AD 2020-19-06 Governor gear bearing,DNA by serial number or overhaul date, governor never
overhauled serial # 002437

8. Engine operated,leak checked and checked parameters and found to be within
MFR's limits of operation.

This engine has been inspected per 100hr/annual inspection and has been found to be airworthy

Charles McPhee AP3476507IA



erial No. _____

Signature	License Number

he Endorsement of a
his Rating and
a Shown.

ENGINE LOG

Serial No.

[illegible]

ENGINE LOG

Serial No. _____

[illegible]



Venice Municipal Airport (VNC)
120 West Airport Ave
Venice, FL 34285

HOBBS	832.5
TTAF	832.5
TTE	832.5
SMOH	832.5
TTP	8325
SPOH	832.5

N69MB Date 9-21-22

Test ran engine for leak and operational checks. Drained oil, changed filter. Cut open for inspection. Serviced engine with Phillips XC 20W50. Compression 1-78, 2-76, 3-78, 4-73, 5-76, 6-79. Cleaned and gapped spark plugs. Checked magneto timing. Disassembled upper deck rail and removed fuel injector nozzles. Cleaned nozzles in Hoppe's and lacquer thinner. Reassembled system with new o-rings 951-391. Replaced rubber hose connections from rail to nozzle shrouds with new. Checked and cleaned fuel servo inlet screen. Complied with AD 2015-19-07 by inspection of lines and clamps for condition and security. Checked AD's to current bi-weekly, all applicable are in compliance at this time, see AD listing. I certify this engine has been inspected in accordance with an annual inspection and is airworthy at this time.

IA2809540

DATE _____

Service Bulletins, Letters, Instructions & A D Notes

8/02/22 Aircraft N69MB. / old # N131US. Type M20M ser# 27-0353
Hobbs Time 808.5 G1000 Eng Time 807.5 $\Delta 22.5$
Oil + Filter changed 8 qts Aeroshell 15W50
16 oz Cam Guard Tempest Filter # AA 48110-2
Mikael Berant PPL 4346364

9/21/2022 ^{oil} change Hobbs 832.5 G1000 Tach Time 832.5 During Annual
2/15/2023 Aircraft N69MB Type M20M ser# 27-0353 $\Delta 25.0$
Hobbs time 859.4 G1000 tach Time 859.4 $\Delta 26.9$
Oil filter changed Tempest Filter AA 48110-2
8 qts Aeroshell 15W50 \bar{c} 16 oz Cam Guard.
Mikael Berant PPL 4346364