

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF TEXTRON LYCOMING TIO-540-AF1B L-10131-61A
MAKE MODEL SERIAL

FROM _____ 19 ____ TO _____ 19 ____

DETAILING TIME FROM _____ TO _____

HOURS HOURS
SSP 1872-1 *INSTALLED IN MOONEY M20M*
S/N: 27-0263 R/N: N2196L **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 **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

DEL TIO-540-AF1B SERIAL NO. L-10131-61A
 TE NOV 25 1998
 (AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

652 Oliver Street
 Williamsport, PA 17701 U.S.A.

ENGINE DESCRIPTION

Mfgr. TEXTRON LYCOMING	Place Williamsport, PA 17701	Date	
Type	Model	Serial No.	
Rated H.P.	Max. H.P.	Weight (Dry)	
Rated R.P.M.	Max. R.P.M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		
Reduction Gear Ratio			
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial No.	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.		
Pitch	Diameter	Length	
Name			
Address			

ENGINE LOG

Serial No. _____



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N2176L DATE: 05/20/99 HOBBS: 33

CHANGED OIL AND FILTER. SERVICED WITH 10 QTS. AEROSHELL
15W50. MO METAL IN OLD FILTER. RUN-UP AND LEAK CHECK OK.
REFERENCE MODERN AERO W/O# 27499

License
Number

Page Total
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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. _____



MODERN AERO, INC.
14801 PIONEER TRAIL
EDEN PRAIRIE, MN 55347
612-941-2595

FAA APPROVED REPAIR STATION MZER198L

N2176L DATE: 06/07/99 HOBBS: 41.4

INSTALLED TAS-100 PREHEATER SYSTEM S/N 39003 IN
ACCORDANCE WITH TANIS AIRCRAFT SERVICES INSTRUCTIONS
AND DRAWINGS NO. 102, 100F, AND 100G. UPDATED WEIGHT AND
BALANCE. REFERENCE MODERN AERO W/O # 27572

License
Number

Date	T		Hr:							

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

ENGINE LOG

Serial No. _____

Date Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
9	Changed Oil & Filter Opened Filter & Inspected for METAL None Found - Serviced Engine w/ Aeroshell 15W50 Ground Run & Leak Check No Defects Noted I cert. for this engine was serviced in accordance with the above & is approved for return to service <i>[Signature]</i> A21164910		
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			



MODERN AERO, INC.
 14801 PIONEER TRAIL
 EDEN PRAIRIE, MN 55347
 612-941-2595

FAA APPROVED REPAIR STATION MZER198L
 N2176L

DATE: 5/17/00

HOBSBS 1572

ANNUAL INSPECTION COMPLETED THIS DATE. COMPRESSION
 RECORD: #1-76/80, #2-76/80, #3-76/80, #4-74/80, #5-76/80, #6-74/80
 CHANGED OIL AND FILTER. SERVICED WITH 10 QTS AEROSHELL
 15W50 OIL. NO METAL DETECTED IN FILTER. RETIMED MAGS TO
 20° BTDC CLEANED, GAPPED AND ROTATED SPARK PLUGS LEAD
 TEST SATISFACTORY. CLEANED INJECTOR SCREEN DRESSED
 AND PAINTED PROP BLADES. CLEANED INDUCTION AIR FILTER
 TIGHTENED PROP GOVERNOR CONTROL LINKAGE AND LEFT
 ALTERNATOR GROUND STRAP RETORQUED ENGINE SHOCK
 MOUNT BOLTS AND TUREG CLAMPS SHIMMED PROP SPINNER

Serial No. _____

Signature	License Number

cont. next page

The Endorsement of a
 Certificate Rating and
 Number must be shown.



MODERN AERO, INC.
 14801 PIONEER TRAIL
 EDEN PRAIRIE, MN 55347
 612-941-2595

ED REPAIR STATION MZER198L
 93-02-05 FUEL INJECTOR LINES IAW LYCOMING SB 342B
 AL INSPECTION. ALL LINES SATISFACTORY THIS DATE
 DUE AT HOBBS 257.2 C/W AD 98-18-12 LEAR-ROMECA
 MP TORQUE IAW LYCOMING SB 529A BY RETORQUING
 TYING SCREWS AD NEXT DUE AT HOBBS 182.2
 L RUN-UP AND LEAK CHECK OF ENGINE SATISFACTORY
 ICE MODERN AERO W/O# 28458

DATE 3-17-2000 TOTAL TIME 157.2
 I CERTIFY THIS ENGINE HAS BEEN
 INSPECTED IN ACCORDANCE WITH AN AIRWAY
 INSPECTION AND WAS DETERMINED TO BE
 IN AIRWORTHY CONDITION
 FOR DETAILS SEE W/O 28458
 AUTHORIZED SIGNATURE [Signature]
 MODERN AERO, INC., EDEN PRAIRIE, MN
 FAA APPROVED REPAIR STATION MZER 198L

Serial No. _____

Signature	License Number	Date	Time		REPAIRS
			Hrs	Min	

Date	Time		REPAIRS
	Hrs	Min	
Aug 18, 2000			Hubb Serrin Maximal 1 new oil filter OIL locks. Added 15 <i>[Signature]</i>
August 15, 2000			Hubb From Licensing Per Serrin Ground Run-C

the Endorsement of a
 and his Rating and
 to be Shown.

Page Tot
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 Total to Date

1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration					3. System Tracking Reference No. MS-136569	
4. Organization		TEXTRON LYCOMING PRODUCTION CERTIFICATE #3 852 OLIVER STREET WILLIAMSPORT, PA 17701				5. Work Order, Contract or Invoice Number: 278757092		
6. Qty	7. Description	8. Part Number	9. Eligibility*	10. Qty	11. Serial/ Batch No	12. Status Work		
001	KIT-CYL PISTON & 4 US ASSEY	05-22177	T.B.V. BY INSTALLER	00001	N/A	NEW		
13. Remarks: AIRWORTHINESS APPROVAL PARTS-TAGS FORM IS NOT AN EXPORT APPROVAL WILLMAR A/R SERVICE United States Limited life parts must be accompanied by maintenance history including time/total cycles/time since new.								
14. _____ 19. _____								
FAA FORM 8130-3				AIRWORTHINESS APPROVAL TAG User / Installer Responsibilities				
It is important to understand that the existence of this Document alone, does not automatically constitute authority to install the part/component/assembly.								
Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.								

ENGINE LOG

Serial No. _____

MOONEY AIRCRAFT CORP

ENGINE LOGBOOK

DATE: 10-05-2000
TT/RM: 211.5

S/N: 27-0263
REG#: N21763

REPLACED STARTER P/N 31B21064, S/N 24-2085 WITH S/N 24-2073.
REPLACED STARTER RING GEAR. STARTER WAS INSTALLED IAW
LYCOMING SI 1447B. DETAILS ON FILE UNDER WOH 11265.



MOONEY AIRCRAFT CORP
CRS# FH2R820K

ENGINE LOG

Serial No. _____

Signature	License Number	Date	Description	Endorsement Number
		March 21, 2001	Engine S/N L-10131-61A. Disassembled, cleaned and inspected engine. Magnafluxed all steel parts. Tram checked connecting rods. C/W AD 91-14-22. C/W Lycoming SB 475B and 533A. Reassembled engine using new bearings, gaskets, seals, packings, connecting rod bolts and nuts. Honed cylinders. Installed new piston rings. Installed new magnetos. L S/N 00011125, R-S/N 00101351. Installed new crankshaft gear, nine tappet bodies, two piston pins, crankshaft idler gear, prop governor idler gear and one rocker shaft due to rust pitting.	
<p>This engine or accessory identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.</p> <p>Work order <u>A-6916</u> Date <u>03-21-01</u> Signature <u>[Signature]</u> Textron Lycoming Service Center — Repair Station No. <u>ED1R109K</u> Williamsport Lycoming County Airport — Montoursville, PA 17754</p>				
Endorsement of a ing and in.		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		

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ENGINE LOG

Serial No. _____

Hr Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
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. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
Now	22	10	AD is No Longer applicable. I hereby certify that this (engine) has been thoroughly inspected as per existing (engine) F.A.R.'s in accordance with a (check) inspection and found to be in airworth (check) condition. Total Time 2210 Hrs. S.P.O.H. Total Time 2210 Hrs T.O.S.O.H. Hrs. Engine Total Time 2210 Hrs Date of Prev O.H. Time S.P.O.H. 000		
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					

Joseph B. [Signature]
 [Signature] N/A 112292049
 [Signature] N/A 112292049

NORTHEAST AIR

Westbrook Street, Portland, Maine 04102 Phone 207 774 6318 Fax 207 772 7035
 Repair Station FTUR030E

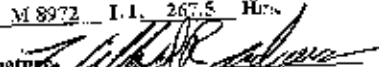
119, 2002 Mooney Model: M20M S/N: 27-0263 N2176L A/F I: 267.5 H: 267.5 W.O. M8972
 c: Lycoming Model: TIO-540-AF1B S/N: L-10131-61A T.T.S.N. 267.5

ENGINE

Applied with an Annual inspection using checklist from Mooney M20. Maintenance Manual. C/W AD research and found OK to date, and updated listing. C/W Lycoming SB 480D Part I para D, Part II, drained engine oil, soap sample taken, and replaced oil. Cut open oil filter and inspected, no problem found. Refilled oil system with MAXON Elite 20W-50 oil. C/W cylinder pressure check #1- 79/80, # 2- 78/80, # 3- 79/80, # 4- 76/80, # 5- 79/80, # 6- 78/80. Retorqued turbo charger bracket bolts. Cleaned, serviced, and tested all spark plugs. Readjusted both magneto to engine timing to 20° BTDC. Resealed around under baffles for proper cooling. C/W Lycoming SB 342D fuel injector line inspection, no problems found per Diagram # 19. 1 due at 367.5 or when ever fuel injector lines are worked on. Adjusted belt tension on LH & RH Alternator belts. Engine ground ic ran and leak checked.

I certify that this Engine has been inspected in accordance with a Annual Inspection and determined to be in worthy condition and is approved for return to service.

W.O.# M 8972 I.I. 267.5 Hrs.

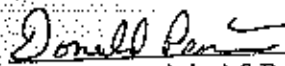
Authorized Signature: 
 Northeast Air, Inc. CRS FTUR030E
 987 Westbrook Street
 Portland, Maine 04102



Tail: 2176L
 Date: 9/6/2002 Tach: 293.8

Changed oil and filter serviced with CH48110 filter and (10) qts 20W50 Elite oil No leaks noted

With respect to the work performed and described above this aircraft is approved for return to service.


 Donald Pennini A&P:34340502
 Eastern Air Center
 209 Access Road
 Norwood, MA 02062

ENGINE LOG

Serial No. _____

JKS	Signature	License Number

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

N2176L

Powerplant Records

May 2, 2003 Hobbs Time: 332.5 Total Time: 332.5

Engine Total Time: 332.5 Engine S/N: L-10131-61A

Changed oil and filter, serviced with CH48110 filter and (10) qts Elite 20W50 oil.

Replaced 1 spark plug with p/n RHB37E.

Certify that I have inspected this engine in accordance with an ANNUAL inspection and signed a checklist that conforms to FAR Part 43 Appendix D and have found this engine in satisfactory airworthy condition.

Donald Pennini

Donald Pennini
P 1944016 IA

Eastern Air Center
209 Access Road
Norwood Airport
Norwood, MA 02062



Tail: 2176L
Date: 9/25/03 Tach: 350.60

Changed oil and filter serviced with CH48110 filter and (10) qts 20W50 Elite oil

With respect to the work performed and described above this aircraft is approved for return to service.

Donald Pennini
Donald Pennini A&P:34340502
Eastern Air Center
209 Access Road
Norwood, MA 02062



Tail: 2176L
Date: 9/25/03 Tach: 350.60

Replaced transducer with p/n SP100-110-25-PSIA
Replaced Alt support mount with p/n CO7A22097.

With respect to the work performed and described above this aircraft is approved for return to service.

Donald Pennini
Donald Pennini A&P:34340502
Eastern Air Center
209 Access Road
Norwood, MA 02062

Total to Date

Total to Date

ENGINE LOG

Serial No. _____

N2176L

Powerplant Records

Date: May 25, 2004 Hobbs Time: 399.4 Total Time: 399.4

Engine Total Time: 399.4 Engine S/N: L-10131-61A

Changed oil and filter, serviced with CH48110 filter and (10) qts Elite 20W50 oil.

Changed oil sample. Replaced #2 and #3 cylinder cover gaskets with p/n 75906.

I certify that I have inspected this engine in accordance with a **100 hour** inspection using

a checklist that conforms to FAR Part 43 Appendix D and have found this engine in an

airworthy condition

John Pennini



Eastern Air Center

209 Access Road

Norwood Airport

Norwood, MA 02062



34340502

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Total to Date

Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

N2176L

Powerplant Records

Date: May 25, 2004

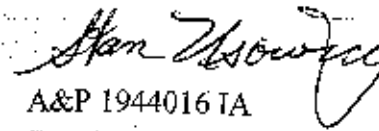
Hobbs Time: 399.4 Total Time: 399.4

Engine Total Time: 399.4

Engine S/N: L-10131-61A

I certify that I have inspected this engine in accordance with an **ANNUAL** inspection using a checklist that conforms to FAR Part 43 Appendix D and have found this engine in an airworthy condition

Stan Usowicz



A&P 19440161A

Eastern Air Center

209 Access Road

Norwood Airport

Norwood, MA 02062



Page Total


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Total to Date

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

ENGINE LOG

Serial No. _____

Time Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Changed oil 10 qts Exxon 20W50 Elite, cleaned oil filter		
5	Adjusted #5 oil chain back Line	APERS 519232	
0			
	<p>Revised the engine cowling. Drained the oil thru a paint strainer and examined the contents. No excessive metal was noted. Removed the oil filter, cut open and inspected. No excessive metal was noted. Installed a new oil filter Part Number <u>CH45W1</u> and torqued to the appropriate value. Added 9 quarts of <u>EXXON ELITE 20W50</u> oil. Thoroughly cleaned the engine using a suitable solvent. Performed an engine run-up for no less than 5 minutes of each day. Examined the oil filter for a leak, and none was noted. Reinstalled the engine cowling.</p>		
			
		WORK ORDER: <u>D4-9435</u> DATE: <u>10-28-04</u>	
		Keyson Airways Corporation FAA Code Report Series KNMR864S Page 48	
		Certificate Number MUST be Shown.	
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Date: 6/1/2005. Aircraft: N2176L S/N 27-0263 Hobbs: 486.0 Total Time: 486.0 Shop Order# 9804

- *Performed a 1 Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20M Maintenance Manual.
- *Performed a Differential Compression Check with the following results: Cylinder #1 79/80 Cylinder #2 72/80 Cylinder #3 79/80 Cylinder #4 78/80. Cylinder #5 79/80. Cylinder #6 74/80.
- *Drained oil. Removed, cut open and inspected the oil filter for particles with none noted. Installed new oil filter CH48110-1. Added 10 quarts of Exxon Elite 20W50 motor oil. Washed engine.
- *Removed, cleaned, inspected & reinstalled fuel nozzles & servo inlet filter. Removed and replaced the paper induction air filter p/n 744433.
- *Removed and replaced all spark plugs, p/n RHB37E.
- *C/W AD2002-25-01 (injection lines) by inspection I/AW SB342D.
- *Removed the rivets securing the damaged inter-cooler NACA duct heat shield. Removed the damaged fiberglass. Applied fiberglass over the rivet holes and the damaged area. Cut heat blanket to fit the high heat area and adhered with high temperature RTV. Painted with high temperature aluminum paint.
- *Removed the right exhaust headers, crossover pipe and the #2 and #4 exhaust pipes back to the transition housing. Stored the exhaust components and sent the cracked section for repairs. Received and visually inspected the repaired exhaust. Installed the exhaust with new flange gaskets and its original fasteners. Torqued the nuts to Lycoming specifications. Safety wired the V-band clamp.
- *Removed the starter cable from the starter. Applied RTV to the damaged area of the cable and put heat shrink over the RTV lockwasher and torqued to specifications.
- *Retorqued all oil return line band clamps.
- *Cut a new baffle for the lightweight starter using templates. Secured the baffling to the metal baffle using pop rivets. Sealed the edges of the flexible baffling with pro-seal.
- *Secured the TKS tube to the propeller governor cable bracket.
- *Cleaned the entire inside of the lower cowling. Installed 2 sections of heat blanket p/n 1081 on the left side. Painted the entire inside of the cowling with Mooney supplied high heat aluminum paint.

ENGINE LOG

Serial No. _____

to	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
Min			

on spiral wrap to the ignition harness to prevent chafing. Spiral wrapped leads from magneto caps to rocker covers and
 30 hour inspection of the left & right magnetos. Removed the left magneto from the engine and performed a Slick 500
 on per the Slick Master Service Manual L-1363B 6300 Series, Section 3.3, with reference to Section 6 (disassembly)
 7 (assembly). Replaced the following parts with new: cotter pin p/n M-2556, primary points p/n M-3081, gasket kit p/n
 carbon brush p/n M-3215. Removed the right magneto from the engine and performed a Slick 500 hour inspection in
 with the Slick Master Service Manual L-1363B 6300 Series, Section 3.3 with reference to Section 6 (disassembly) and
 assembly). Replaced the following parts with new: primary points p/n M-3081, gasket kit p/n K-3307, and carbon brush
 Reinstalled the magnetos and timed to the engine in accordance with engine data plate. Torqued the mounting
 new lock washers. Attached the P-leads, ground wires, pressure hoses and harness cups and torqued the screws.
 y tested with satisfactory results.
 re fuel flow transducer cover. Resecured the transducer mounting bolt to the firewall. Installed the cover and replaced
 ommet with new.
 ith AD 84-25-02, Paper Air Filter by removing and replacing the paper air filter p/n 744433. Secured the latches on the
 safety wired. Next compliance is due in 500 hours.
 and replaced the ice deflector in the air box assembly with new style metal deflector p/n E70036-9025. Secured with
 3 rivets.
 & replaced the TIT probe. p/n 858113. Operationally tested with satisfactory results

Keycor Airways Corporation FAA CRS KNMR864S PAGE 2 OF 2

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Total to Date

Signature _____
 License Number _____
 Certified Mechanic, and his Rating and
 Certificate Number MUST be Shown.

ENGINE LOG

Serial No. _____

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

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: 6.1.05 Work Order # 9804
~~Est~~ or Hobbs Time 486.0 Aircraft Total Time: 486.0
 Engine total time since new or overhaul 486.0
 Signature [Signature]
 Keycor Airways Corporation
 FAA Certified Repair Station #KNMR864S

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

ENGINE LOG

Serial No. _____

Date: 7/26/2006 Aircraft: N2176L Type: M20M S/N 27-0263 Hobbs: 522.10; Total Time 522.10

Time Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number	Date	Time	
					Hrs	Min
	<p>Removed the engine cowling. Drained the oil thru a paint strainer and examined the screens for excessive metal. Removed the oil filter, cut open and inspected for excessive metal. Installed a new oil filter Part Number <u>CH48110</u> and torqued to the appropriate value. Added <u>10</u> quarts of <u>Exxon Elite 20W-50</u> oil. Thoroughly cleaned the engine using a suitable solvent. Performed an engine run-up for no less than 5 minutes of run time. Examined the oil filter for leaking and no leaks were noted. Reinstalled the engine cowling.</p> <p>Signature: <u>[Signature]</u> Work Order # <u>10021</u> Date: <u>7/27/06</u> Keyson Airways Corporation 144 Certified Repair Station KNMR864S, Fort Worth, TX</p>					
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						

Date	Time	
	Hrs	Min

Performed a 100 Hour/Annual Inspection of the engine in accordance with the inspection checklist contained in the M20M Maintenance Manual. Performed a Differential Compression Check with the following results: Cylinder #1 76/80, Cylinder #2 76/80, Cylinder #3 76/80, Cylinder #4 74/80, Cylinder #5 76/80, Cylinder #6 76/80. Drained and screened the oil for particles with none noted. Removed cut open and inspected the oil filter for particles with none noted. Installed a new oil filter CH48110-1, torqued and safetied. Removed the oil hoses and removed the oil sump drain. Inspected and cleaned the sump drain screen. Reinstalled the oil sump drain and safetied. Reinstalled the oil hoses. Performed a leak check with no leaks noted. Added 10 quarts of Exxon Elite 20W-50 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 Fuel Nozzles and placed them in a suitable cleaning solution. Performed a fuel flow check, no discrepancies were noted. Reinstalled each fuel nozzle and injector line B nut to original cylinder and torqued. Repositioned both ends of the scot hose to prevent chafing on the bottom of the oil cooler. Repositioned the oil return line on the right of the differential controller top of the "T" fitting to prevent kinking and twisting. Complied with AD D3-14-03, Rotary Fuel Pump in accordance with the accomplishment instructions torque ok at this time with no leaks noted. Engine ground performance and leak check good. 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 Keyson Airways KNMR864S, repair station under the work order listed.

Date: 7-26-06 W/O I1016
 Tech/Hobbs 522.10 Aircraft TT 522.10
 Engine TSOH/New 522.10
 Signature: [Signature]

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

008; Aircraft N2176L; Type: M20M; S/N 27-0283; Hobbs 531.90; Total Time: 531.90
 100 Hour/Annual Inspection of the Engine in accordance with the inspection checklist contained in the M20M
 Manual.
 Differential Compression Check with the following results: Cylinder #1 77/80, Cylinder #2 73/80, Cylinder #3 76/80,
 Cylinder #4 73/80, Cylinder #5 76/80, Cylinder #6 75/80.
 Checked and tested the spark plugs.
 Checked the engine controls and slip joints after cleaning.
 Checked and screened the oil for particles with none noted. Installed a new oil filter CH48110-1, torqued and saftied. Added 10
 on Elite 20W50 oil. Washed the engine with varsol and dried with compressed air. Ground ran the engine and
 oil leaks with no leaks noted.
 Checked with AD 2008-14-07 by inspection of the metal fuel injection lines between the fuel manifold and the fuel injection
 in accordance with the latest version of Textron Lycoming Service Bulletin 342. Next inspection due at the next annual
 inspection or any time maintenance has been performed on the fuel lines.
 Checked the fuel servo finger inlet screen.
 Checked and re-torqued the supporting screws for the cowl flap motor.
 Checked with Service Bulletin 3-08, Carbon Brush Inspection by installing two new carbon brushes p/n K3215 date code 11/6/08.
 Reassembled the magnetos and timed to manufacturer's specifications. Performed a ground run and leak check with
 no leaks noted.

Infinity Aviation Services LLC PAGE 2 OF 2

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 Infinity Aviation Services
 LLC under the work order listed.

Signature: Lee Abt
 Date: 12/5/2008, W/O: 112433
 Infinity Aviation Services LLC
 FAA Certified Repair Station
 #16FR992Y

Total to Date

Certificate Number MUST be Shown