

REPLACE FLIGHT BATTERY BY:

MAY 28 1982

6 P

AIRCRAFT LOG

MOONEY AIRCRAFT, INC.

AIRCRAFT DESCRIPTION

Manufacturer <u>MOONEY</u>	Place <u>4-PLACE</u>	Date <u>9-8-67</u>
License No. <u>N-6456Q</u>	Type <u>M70F</u>	Serial No. <u>670535</u>

Description

Reconstructed By	Place	Date
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Seating Capacity (Crew Included) <u>4</u>	Weight Empty	Weight Loaded
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Wing Area	Sq. Ft.	Control Area	Sq. Ft.	Span	Length
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Tires Main	Tire Tail	Brakes
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Owner	Address
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City	State
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EQUIPMENT DESCRIPTION

Propeller	HARTZELL	^{MODEL}	Hub Design	ITC-C2YK-1B	Hub Serial No.	CH3855	
Blade Design	7666A-2	Blade Serial No.	B18196	Blade Serial No.	B18197		
Pitch	Width	Diameter					
Engine	LYCOMING	Model	TD-360-A1A		Serial No.	L-4067-51A	
Rated H. P.	200/2200 RPM	Bore	Stroke				
Receiver	Model		Serial No.				
Transmitter	Model		Serial No.			Output	
Generator	Model		Serial No.		Amp.	Volt	
Starter	Model		Serial No.		Volts		
Power Unit	Model		Serial No.		Volts		

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

1967

CERTIFICATE OF AIRWORTHINESS
FORM 1362 ISSUED THIS DATE

9-18-67

MOONEY AIRCRAFT, INC.

DOA-SW-1

BY

Gilbert A. Gusten

9-18

REMARKS

DATE

1967

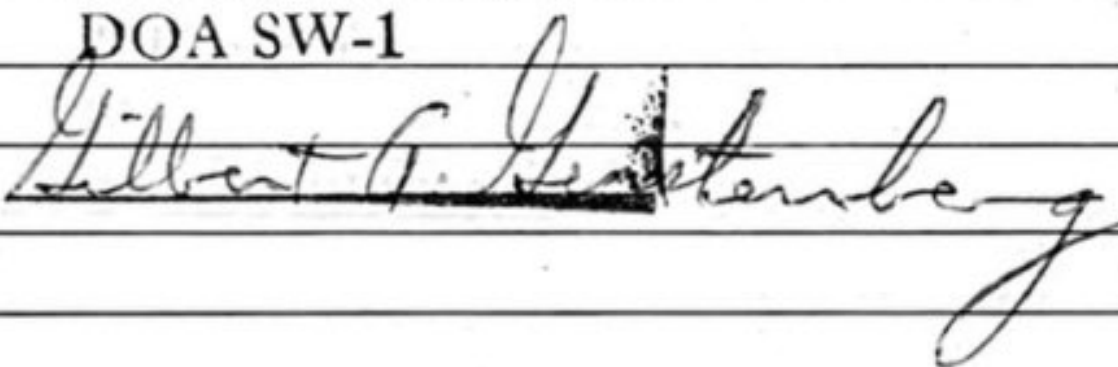
INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that the altimeter and static system tests required by FAR Part 91.170 have been performed. The altimeter has been tested to 20,000 feet. 8-23-67

Mooney Aircraft, Inc.

DOA SW-1

by:



REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
	<p>10-14-67 Curtain assembly installation per dwg. #950184 M. J. [Signature] A-P 461258</p>

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

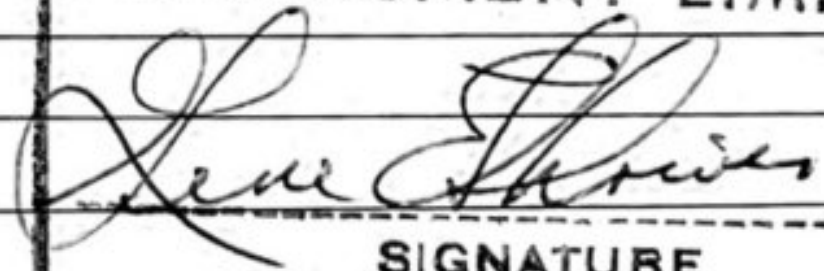
11-3-67 Instl. Electric Gas per
 dwg # 56084.

WT and Bal computed and
 compared checked.
 E.G. 1701 lbs WT. 446 aft.
 useful load 1039 lbs.

W. J. Landolt

A-P 461257

REMARKS

DATE	INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS
6/9/69	Install electronic equip as per 337 dated 6-9-69
New E.W.	1723.93
New C.G.	44.7
New Moment.	77091.93
New Useful load	1016.07
	<div data-bbox="1497 686 2304 798">AIR-RADIO, INC.</div> <div data-bbox="1471 813 2330 981">FAA APPROVED REPAIR STATION NO. 4473</div> <div data-bbox="1445 997 2369 1189">RADIO CLASS 1, 2 & 3 INSTRUMENT LIMITED</div> <div data-bbox="1354 1165 2174 1436">  </div> <div data-bbox="1705 1396 2070 1452">SIGNATURE</div>

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER	
			Up	Down	Hours	Min.					
8-4-69	took time				193	32		resouted radio cable so elevator control wont hit on it - replaced bulb in rot. beacons - deant painted both wof - C/W service ballitan 169. end 20.			
<p>I CERTIFY THAT THIS <u>aircraft</u></p> <p>HAS BEEN INSPECTED IN ACCORDANCE</p> <p>WITH A <u>100 hr.</u> INSPECTION</p> <p>AND WAS DETERMINED TO BE IN AIR- WORTHY CONDITION.</p>											
DATE	<u>8-4-69</u>	TOTAL HOURS	<u>193.32</u>								
	<u>1766049</u>		<u>George Olmsted</u>								
TOTALS	<u>FORWARD</u>		NAME								
TOTALS	<u>ROACH</u>	AIRCRAFT INC.									

BROOMFIELD, COLORADO

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that this Aircraft
has been inspected in accordance
with a Periodic inspection
and found airworthy.

Date 8-5-69 R. W. Wentzel

Tach. Time 193:32 R. W. WENTZEL

A. D. Compliance. A & P 357665

Thru 69-14 Insp. Auth.

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE

3/14/70

INSTALLED NING KR80 ADF IN INSTRUMENT PANEL
IN SPACE PROVIDED BY MANUFACTURER. LOOP ANTENNA
INSTALLED UNDER PASSENGER COMPARTMENT. SEE 337.

~~NEW Empty Wt. 1730.43~~

~~NEW Empty Wt. 44.7~~

~~NEW Useful Load is 1009.51~~

~~TACH TIME is 247.72~~

~~superseded 857-70~~

~~James L. Polkham~~

~~ASR 177181~~

The aircraft and/or component identified above was repaired and inspected in accordance with Federal Civil Air Regulations and was found satisfactory for return to service.

Pertinent records and data are on file at this office.

WORK ORDER NO. 1944

DATED 14 March 1970

SIGNED George W. Reed

For Western Aerotronics

FAA Certificate No. 4156

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
8-5-70	ANNUAL INSPECTION, TACH & TOTAL TIME-292.75									
	TIME LAST 12 MO. - 99 HRS.									
	Aircraft inspected in accordance with "Check List Periodic or 100 HR AIRCRAFT INSPECTION FORM 14197" Retraction check performed both electrical & manual/emerg. Found satisfactory. Wheel bearings repacked & a/c brakes checked.									
	I certify that this aircraft has been inspected in accordance with an annual inspection and found to be in airworthy condition. All AD notes through 70-15 checked & complied with.									
TOTALS FORWARD										
TOTALS TO DATE										

C. Westfall
A1177181

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

8-7-70 TACH TIME 292.75 HRS. Installed Delta Stroke Light Sky-Stroke in accordance with STC SA1588WE and drawings A 409B and A 409A provided by manufacture.
 "LIMITATIONS - TURN SKY-STROBE OFF BEFORE ENTERING CLOUDS, HAZE OR FOG."

— WEIGHT AND BALANCE CHANGE INFORMATION —

NEW EMPTY WEIGHT - 1733.18 lbs @ 44.8" = moment 77688.46

NEW USEFUL LOAD → 1006.2 lbs

James A. Follium
 A&P AI 177181

FLIGHT LOG

DATE

Date 4-2-71

N 6456Q

ENSE
MBER

The Altimeter_ were tested per FAR 91.170 and found to
comply with Appendix E of Part 43 by Aircraft Radio
& Accessory Co. Inc

Date 4-2-71. The static system was tested with
the Altimeter_ installed per FAR 91.170 and found to comply
with Appendix E of Part 43 by Francis S. Shung.

A-P1571414

W.O.

2368

Date

4-2-71.

Signed

Jake Aubrey Jr.

COMBS AIRCRAFT INC. Repair Sta 4152
Hangar 7 Stapleton International Airport
DENVER, COLORADO

TC

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

8-16-71 TACH 382.25 TIME SINCE LAST ANNUAL 89 HRS.
100 HR INSPECTION ACCOMPLISHED THIS DATE IN A/W
MOONEY MAINTENANCE MANUAL. NEW TYPE III TIRES
INSTALLED ON MAIN GEAR. NEW BRAKE LINING
INSTALLED ON LEFT WHEEL.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED
IN A/W AN ANNUAL INSPECTION AND WAS
DETERMINED TO BE IN AIRWORTHY CONDITION.

William D. Johnson
IA 1456618

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

~~8 March 1972~~ 8 March 1972 Total time 520.8 - Completed Annual
 inspection - Replaced landing gear tire - checked AD's 72-5
 by section Air Mail by F.S.D. W.O. 1852

Date 8 March 1972

I certify that this Aircraft has been inspected in ac-
 cordance with a Annual inspection and
 was determined to be in airworthy condition.

Total time Aircraft, Power plant. 520.8

E.F. Dakhoff A&P 1190216 PA.

9 March 1972 test flown OK E.F. Dakhoff 1000670 (FIVE)

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

5-22-72 Recording technician 574.901. Remount
 cyl head stamp unit. adjustments made
 by Benn Dist. Co. R.F. Murphy ACP 318104

June 29 72 Tack 604.7 A.D. 72-12-2 Part A Sub all cables on gas
 & flight controls with release spring E.P. Dalkoff ACP 1190216

21 July 1972 Tack line 623.9 H.D. 72-12-2 Part B New retracting link
 (1) P/N 530003-13 (2) 510011-13 installed & checked rigging OK
 E.P. Dalkoff ACP 1190216

REMARKS

DATE INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

11-30-72 Completed Annual insp. this date took time 712-03.
 Completely inspected Airframe the following is a list of Work
 Accomplished. Chkd All push pull Control rods and their
 bearings. Chkd All Control surface travels and lubricated.
 Inspected Aircraft and pulled gear retraction and checked
 gear, inflated tires and chkd brakes. All electrical system
 Chkd and operating correctly. Chkd P.C. system and Reset
 Vacuum press to 4.8". Replaced outboard Wing panel
 because of hinges broken by factory supplied panel and used
 an 426-445 rivets. Repainted outboard Wing panel using
 Factory Colors, to match original design. All A.P. notes those
 72-12-2 Chkd for information on Wing repair
 see attached form 337 in rear of log book
 over.

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

8-1-73 TOTAL TIME ON A/C 87606, RETRATON CHECK OK,
ground gear,

I CERTIFY THAT THIS A/C HAS BEEN
INSPECTED IN ACCORDANCE WITH A
100 HR. AND WAS DETERMINED TO
BE IN AN AIRWORTHY CONDITION.

DATE 8-1-73

James R. Miller A&P 1705885 I.A.

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

1-3-77 Repaired dent in leading edge of left wing.
 Replaced stiffener on left gear door & straightened
 door, checking gear operational. Checked on
 Tacks.

Ahmedichan AP 19144482A

4/15/74 TACK TIME 1046.5. cig. tighter repaired OK
 POME light switch on order, VAC out INSIDE, dressed
 up niches in Prop.

James R. Miller #11205555

11-5-74 Replaced prop with Reduitt one from
Maxwell Aircraft Service - Hartzell Ser#
CH-3855 Blade Ser# B95-712 & B96541,
has been complied with Hartzell bulletins
#314 #97A (A11) (B4) - MAINT. RELEASE IN BACK
of log book

Jerry Hansen
A+P 2216289

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

Feb 18, 1975 Leak Reads 1329 TT
Installed Vacuum pump # 9002809
Walter R. Brubaker
R/S 1053223

~~OVERHAUL~~

Item AIRSPEED, 0-200 Model P/N 22-694-041
Manufacturers Name GARWIN Serial # K 890 U

The aircraft and/or component identified above was repaired & inspected in accordance with current Civil Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under work order # B 172.

Dated 4/29/75

Signed *[Signature]* For

BEMM AIRCRAFT INST. SERVICE, INC.
STAPLETON FIELD, DENVER, COLO. 80207

Certificate #3903
Instrument Class I & II

SENSE
NUMBER

2

31112

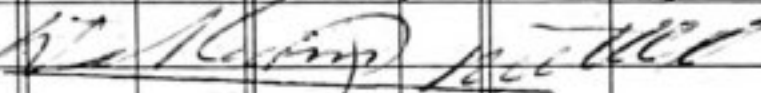
705

225

0

FEB

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER	
			Up	Down	Hours	Min.					
	I certify that the altimeter and static system tests required by FAR Part 91.170 have been performed. The altimeter was tested to <u>20,000</u> feet on date <u>4-18-75</u>							NOTE TEMPORARY AIRSPEED INDICATOR INSTALLED. NOTE OUTSIDE WHITE FLAP SPEED 705 MPH MAX WITH FLAPS EXTENDED. AIRSPEED SIX K9900 sent in FOR OVERHALL.			
	Signature										
	Date		<u>4-18-75</u>								
	Certificate Number		<u>AP 1615935</u>								
B & I AVIATION DOG-16											
TOTALS FORWARD			Rt. 2, Box 74H								
TOTALS TO DATE			Rapid City, S. Dak. 57701								

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that the ~~altimeter and~~ static system tests required by FAR Part 91.170 have been performed. The ~~altimeter~~ was tested to 0 feet on date 7-11-75

Signature

Date

Certificate Number

INSTALLED GARMIN
AIRSPEED INDICATOR
CAUTION NOTE
ON OPPOSIT PAGE
MAY BE DISRELU-
ARDED

AD1618935

OVERHAUL

Item AIRCRAFT CLOCK Model 8 DAY

Manufacturers Name WAKMANN Serial # _____

The aircraft and/or component identified above was repaired & inspected in accordance with current Civil Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under work order # B 769.

Dated 8/11/75

Signed  For

**BEMM AIRCRAFT INST. SERVICE, INC.
STAPLETON FIELD, DENVER, COLO. 80207**

**Certificate #3903
Instrument Class I & II**

DATE

8

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

8-6-75. INSTALLED NEW VOLTAGE REGULATOR THIS DATE. INSTALLED OVERHAULED MIXTURE GADGET PROBE.

INSTALLATION MARCO ELT 10 & ANTENNA THIS DATE

William M. Smith
ASR 16/8935

9-9-75 INSTALLED OVERHAULED CLOCKED MIXTURE GADGET THIS DATE. INSTALLED NEW MIXTURE HEAT PROBE ADJUSTED VACUUM LIGHT TRANSMITTER REPAIRED WIRE TO INSTRUMENT LIGHTS

William M. Smith
ASR 16/8935

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
9-26-25	Inst. light Rheostat Removed Temporarily Wires Wined direct.									
								Ronald Van Slooten		
								AYP 503600438		
								Total Time _____		
								Tack Time _____		
								Date <u>4/12</u> , 19 <u>76</u>		
								I certify that I have inspected this aircraft/engine in accordance with a <u>Ferry</u> <u>to</u> <u>Proved</u>		
								inspection and it was determined to be in an airworthy condition		
TOTALS FORWARD										
TOTALS TO DATE										

Signature Wm A. DeLeon I.A. 1581039

FLT EXP DATE DEC 76 REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that the AIRCRAFT
has been inspected in accordance with
a ANNUAL inspection and
was determined to be in an airworthy
condition.

Installed overhauled
C-4120 Horizon SN
043941107 Retraction
& Lube performed.

Dated 5-27-76 Total time 1539

Installed new main
TIRES & BRAKE

Hrs Tach 1539 hrs.

Lineings installed

Signed [Signature]
A4P161893577

MOON & KIT 169 IN
NOSE BEAR STEERING

Installed moon & KIT 93
190 IN BEAR BOX AD7573-01

Due LUBE AT 1739 TACH Gear Rigging checked
See AD 511027 FOR COMPLIANCE

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
6-10-78	Installed Harco ATGA after factory mod. did 43 approx f check transponder checked good.									
	SN 26DIS									
<p>REPLACE ELT BATTERY BY:</p> <p>OCT 28 1978</p>										
TOTALS FORWARD										
TOTALS TO DATE										

BCN CRSD006

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that the AIRCRAFT
 has been inspected in accordance with
 a ANNUAL inspection and
 was determined to be in an airworthy
 condition.

Dated 6-7-77 Total time 1596
 Hrs Tach 1596 hrs.

Signed [Signature]
ACIP 16189357A

RETENTION & LUBE
 PERFORMED. SENT OUT
 OIL TEMPERATURE & REPAIR
 WARRANTY. INSTALLED NEW
 ELT BATTERY. EXPIRE DATE
 OCT 28 1978. OPTS CHECKED
 ELT. C/W AD 73-21-1B4
 LUBRING ALL ROVERING
 GEAR LINKS C/W AD 75-23-04
 LUBE PORTION GEAR INS? DEC
 AT 1739 TACH HRS.

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
	I certify that the AR PLANT									
	has been inspected in accordance with									
	a 12 ANNUAL inspection and									
	was determined to be in an airworthy condition.									
	Dated <u>6-27-75</u>				Total time <u>1650</u>					
	Hrs				Tach <u>1658</u> hrs.					
	Signed <u>[Signature]</u>									
	TOTALS FORWARD									
	TOTALS TO DATE									

See AD Sheet for Compliance Reshimmed Nose Comp. For Shimmi. RETRACTORS LUBED PERFORMED TESTS NEW BRAKE LININGS BOTH BRAKES FIT BATTERY EXPIRES Oct 28 1975. Replaced Bulb in lower B UEN

REMARKS

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE

Track 1746k

9-20-78

Remove manifold - Fuel PRESS. gauge.

P/N 22-469-01A 5/2 K& 15-467D & Replaced with 5/2
K113566D. Maint. release included.

Jerry Larson
A4922/0284

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
DATE <u>8-1-</u>		19 <u>79</u>								
I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Control</u> AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.										
TACK TIME <u>1850.6</u>			TOTAL TIME <u>1850.6</u>							
MELVIN H. STRATMEYER			<i>Melvin H. Stratmeyer</i>							
A & P. 1784827			<u>GP 1784827 IA</u>							
TOTALS FORWARD										
TOTALS TO DATE										

*Lubed all Control ends, tightened
 new gear steering linkage.
 checked gear. And
 installed fuel strainer
 end*

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

DATE **130-** 19 **81**

Annual

1959

TOTAL TIME 885.0

ran gear retraction checks.
 Installed recapped tires on main
 gear. Installed new brake
 lining on both mains and
 overhauled wheel end by having
 Michael Stronger and installing new bearings.
 freed up rotating beacon
 motor shaft by installing new gear. Installed
 new aircraft battery. Greased landing gear and washed down
 gear. Checked A.D. Mill 80-25-28 and found it
 not applicable to this. Cooler bearings of model 4 serial
 numbers sent

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.		REMARKS		
TOTALS FORWARD										
TOTALS TO DATE										

This transponder has been tested in
 accordance with FAR 43 Appendix F
 on 2-20-82
 Retest due 2-20-84
 Western Electronics, CRS 3095
 Signed: [Signature] R/ 1570203
 Model A.T. 100 S/N 26R15

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

~~Property that the AIRCRAFT~~
has been inspected in accordance with
ANNUAL inspection and
was determined to be in an airworthy
condition.

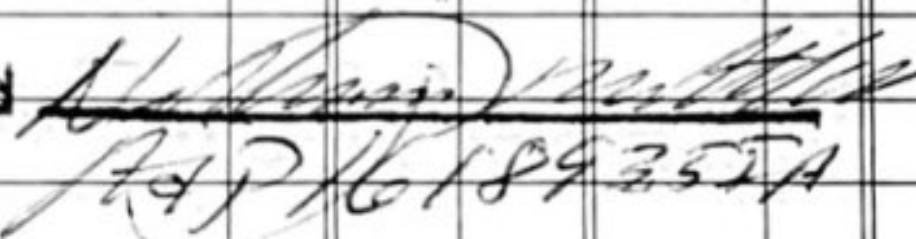
Dated 2-2-82 Total time 1939

Hrs Tach 1939 hrs.

Signed [Signature]
AMP 1618935 PA

RETRACTION & LUBE
Performed.

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. of Pass.	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REPAIRS — ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
I certify that the <u>AIRFRAMME</u>								RETRACTION + LUBRICATION PERFORMED REPAIRED BELLY AND GEAR DOORS & RT MAIN GEAR DOOR SEE FAA 337 THIS DATE FOR DETAIL REPAIRS.		
has been inspected in accordance with										
a <u>ANNUAL</u> inspection and								RE RIGGED LANDING GEAR RETRACT MECHANISM THIS DATE C/W PROWEEY SERVICE BULLETIN M 20-190 1-16-75 PARTS I & II LUBED PER 2513 NEXT DUE 21 78. TACH PART I AND 20 78 PART II INSTALLED NEW PROWEEY		
was determined to be in an airworthy condition.										
Date	<u>06-29-82</u>		Total time		<u>1978</u>					
Hrs			Tach		<u>1978</u> hrs.					
Signed										
	<u>FAA P 16189357A</u>									
TOTALS FORWARD										
TOTALS TO DATE										

AND 20 78 PART II INSTALLED NEW PROWEEY
 SERIAL CH 3354 AD 77-17 06 COMPLIED
 ALL AD'S C/W WITH

REMARKS

DATE

INSPECTION — MAINTENANCE — REPAIRS — ALTERATIONS

I certify that the AIRFRAME
 has been inspected in accordance with
MANUAL inspection and
 was determined to be in an airworthy
 condition.

Dated 06-24-83 Total time 2208

Hrs Tach 2208 hrs.

Signed [Signature]
AF 71089351A

INSTALLED NEW BEARER
 LININGS BOTH BEARERS
 LUBED WHEEL BEARINGS
 INSTALLED NEW BEARER DISC
 RT SIDE CLEANED FUEL BURNER
 CLAMP DTB 21-01 134 LUBING
 ALL GEAR ROD ENDS - ALL
 AD e/w

AIRCRAFT LOG

29817

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19							
I certify that the <u>AIRFRAME</u> has been inspected in accordance with a <u>100 HR</u> inspection and was determined to be in an airworthy condition.			REPLICED CABIN DOOR SEAL, REPLACED STABILIZER TRIM MAIN CABLE, CW AD 75-15-02 BY REPLACING MAIN E-EIN SIDE BRACE BOLTS, CW AD 80-13-03 BY INSTALLING AIR-MAZE FILTER, CW AD 77-17-04 BY REPAIR CHECK OF CONTROL WHEEL SHAFT, CW AD 75-23-04 BY LUBE OF GEAR ACTUATOR CW AD 73-21-01 BY LUBE OF ROD ENDS				
Dated <u>12-26-52</u> Total time <u>2075</u> Hrs <u>2075</u> Tach <u>2075</u> hrs.							
Signed <u>[Signature]</u> I certify that the <u>AIRFRAME</u> has been inspected in accordance with a <u>100 hr</u> inspection and was determined to be in an airworthy condition.			I certify that the has been inspected in accordance with a _____ inspection and was determined to be in an airworthy condition.				FOR ANNUAL INSPECTION ON 64869 SEE LOG PAGE #1 DATED 06-24-53
Dated <u>4-20-53</u> Total time <u>2160</u> Hrs <u>2160</u> Tach <u>2160</u> hrs.							

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO SIGNATURE OF NEXT PAGE

Signed [Signature]
 0749 104 25 35 L

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25			DATE	REMARKS
Date	Bearing error	Place		
	VOR 1	VOR 2	19__	Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
10-24-83		Ac TACH 2311	08	<p>Performed 100 HR INSPECTION EIT Due Nov 28 83</p> <p>Replaced Pilots Window Seal Serviced brake Res 5606</p> <p>Performed Retraction test ok Replaced Control Flaps control Cable Installed new vac filter C/W Adc 75-23-04</p> <p>Lubrication of Dukes ELECT. GEAR ACT. By Compliance with PART 1 of S.B M20-190 1-16-75 Due Again in 200 Hrs C/W AD 73-21-01 Lub of Landing Gear Rod Ends Lubed with silicon spray AS per Act. Due Again 1000 Hrs A.D 77-17-04 Due in 300 Hrs or 2578 TACH</p> <p>I certify this AIRFRAME has been Inspected I/A/W An 100 HR inspection And found Airworthy Kenneth A Bull A/C 2798526</p> <p>All AD'S C/W,</p>
		03-24-84		
		TACH 2324.97		DISASSEMBLED AIRCRAFT FOR SHIPMENT
				REMOVED ENGINE WINGS & EMPENNAGE.

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT	
					HOURS	10THS		
19 85								
01-30-85	Removed Engine		Serial L4067-51A				ATTACK	
	2325	INSTALLED LYCOMING IO 360A1A	Serial L15749-51A					
	THIS DATE TOTAL TIME ON ENGINE 1317 TIME SINCE MOH/25.00							
01-30-85	AIRCRAFT Re Assembled THIS DATE WITH ALL NOW ATTACHING-HARDWARE. ALL FLIGHT CONTROLS RE RIGGED. AIRCRAFT STRIPPED & PAINTED WITH ALUMINUM G-6004 METAL DUST BASE. G-6013 COAK BROWN G-6011 ANCHOR BRONZE TRIM. INSTALLED NEW NOSE GEAR COPPER RETRACT TRUSS & LINKAGE NEW RETRACT RODS. NEW UPPER GEAR TRUSS, NEW NOSE GEAR DOORS LANDING GEAR RIGGED TRAW, MECHANICAL SERVICE MANUAL. INSTALLED NEW ENGINE LOWER TOP COVER, & RIGHT SIDE. INSTALLED BENNETT AIR INLET FILTER BA-6310 FAN 5TC-5A TIGAL LIST 1 FAN 2 MA SUPPLEMENT NO 1 INSTALLED, PROPELLER SERIAL CH26054 WITH CROSS OVERHAUL & NEW BLADES BY HARTZELL 7-30-84							
CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE								
AD77-D-06 91W								

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE 19 ____	REMARKS <small>Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.</small>
Date	Bearing error VOR 1 VOR 2	Place	Signature		
I certify that the <u>AIRFRAME</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and was determined to be in an airworthy condition.					Removed VOLTAGE Regulator Installed PRESTOLITE VOLTAGE Regulator. 60 AMP ALTERNATOR CIRCUIT BREAKER AND #6 WIRE FROM ALTERNATOR TO AUX Buss, TO MATCH PRESTOLITE ALY 5420 ALTERNATOR INSTALLED ON NEW ENGINE. C/W AD 75-21-0134 LUBING C/W AD 95-23-0434 LUBING DISKS ELECTRICAL ACTUATOR NEXT DUE ATTACH 2575 C/W AD 76-07-12 BY CHECKING mag switch. All AD'S C/W
Dated <u>11-30-65</u> Total time <u>2325</u> Hrs Tach <u>2325</u> hrs.					
Signed <u>[Signature]</u> <u>PA, 1618935IA</u>					
11-11-65 AG TUCH 3350.49					Removed + Replaced Cool Flap Cable Re Riced Cool Flaps 1/4" ID RODNEY SERVICE Manual tube Cool Flaps Actuator with LPS + Kenneth A Bull A/P 2289526

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 7-5-85	AC TACH	2388	Removed TACH	Installed	Serviceable	TACH	
	HR METER	Reads 5089	100 HR due at	5136	NEW TACH TIME		Kenneth A. Bell MP 2288526
8-6-85	AC TACH	5124 Hr	Installed a 600x6 TIRE, ON LEFT Gear ASSEMBLY WITH a RETREAD	By YODER RUBBER CO, Inc.			Kenneth A. Bell MP 2288526

This transponder has been tested in accordance with FAR 43 Appendix F

on... 3-5-86

Retest due... 3-5-88

Western Electronics, CRS 3095

Signed *Don McManis* R/1580203

Model *AT6-A* S/N *59ATO*

REMOTE UNIT

This transponder has been tested in accordance with FAR 43 Appendix F

on... 3-5-86

Retest due... 3-5-88

Western Electronics, CRS 3095

Signed *Don McManis* R/1580203

Model *AT6-A* S/N *19257*

PANEL UNIT

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25				DATE	REMARKS
Date	Bearing error	Place	Signature	19 ____	Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
VOR 1	VOR 2				
8-27-85	AC TACH 5136.24	ACTY 2425			Performed Annual Inspection EAT DUE July 87
					Performed BEAR retraction test OK Emergency Extension OK greased all grease ZERKS
					C/W Recorring Ad 73-21-09 lube of Rod Ends on GEAR tubes with silicon doc EVERY 100 HRS
					Repacked and salted all wheel bearings lube + Inspected all flight controls filled
					Hyd RES with H-5606 Hyd fluid SERVICED Battery with AgO Vac + washed A/c checked
					all external lamps OK C/W Ad 75-09-08 ENGINE mount cracks By VISUAL INSPECTION
					NONE found due at NEXT 100 HRS Ad 75-23-04 Dukes fuel gear actuator lube - C/W
					by the PART II of the Ad Part I + III due 150 HRS Part II 100 HRS Ad 77-17-04 Control wheel
					shall due at 5250 TACH TIME Replaced the Brake pads on left Brake I certify
					this Airframe has been Inspected I/A/O a Annual Inspection and was found to be
					airworthy on this date. I certify the Airframe has been inspected in accordance with
					L. Ball A/P 2288526 TA-AC AD'S C/W
					C/W AD 75-09-08 engine mounts by visual inspect.
					AD 75-23-04 lube Dukes Gear Actuator
					AD 77-17-04 Control wheel
					AD 73-21-01 lube Landing Gear Rod Ends
					AD 85-24-03 Using SB M20-230 visual inspect
					of tank and M20-229 visual inspection of fuel claps
Dated	1 Aug 85	Total time	2792		
Hrs	Tach 5203	hrs.			

Signed Neil R. Anderson IA 50614 5645

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19							
I certify that the altimeter and static system tests required by FAR Part 91.170 have been performed. The altimeter was tested to <u>20,000</u> feet on date <u>9 SEPT 86</u> .							
Signature <u>Terry Chen</u>							
Date <u>SEPT 9, 86</u>							
Certificate Number <u>REG-16</u>							
I certify that the <u>Airframe</u> <u>ELT Aug 87</u> has been inspected in accordance with <u>Annual</u> inspection and was determined to be in an airworthy condition. <u>c/w AD 77-1909</u>							
Dated <u>9/1/87</u> total time <u>5276</u>							
Hrs Tach <u>5276</u> hrs.							
Signed <u>Ed Mell A.S.P. 5732357 EA</u>							

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25			DATE	REMARKS
Date	Bearing error VOR 1 VOR 2	Place		
19__				Enter here general data with reference to "Line" and "Periodic" inspections - Rigging Changes - Alterations - Repairs - Service Letters - and changes in propeller or engine - as outlined in the front of this book, under the heading, "INSTRUCTIONS FOR USE OF THIS LOG BOOK." ALL DATA must bear the endorsement of a certificated mechanic, and his rating and certificate number must be shown.
4/26/88				<p>Performed Annual inspection in accordance w/ FAR part 43 and inspection report 5376 c/w AD 73-21-07 (lube rod ends on gear), c/w 75-09-08 (check for cracks in engine mount) & 75-23-04 (gear actuator lube) c/w 77-17-04 control yoke shaft insp. New Rt. tire lube'd all flight controls lube'd gear. This airframe found to be airworthy this date:</p> <p>Edell Muff ACP 57321357 IA</p> <p>This transponder has been tested in accordance with FAR 43 Appendix F on 3...26...88</p> <p>Retest due...3...26...88</p> <p>Western Electronics, CRS 3095</p> <p>Signature: [Signature] R.L.S. 8.0.2.63</p> <p>Model: A.T.6.A S/N: 1.0.1.R.8...</p>
12-19-88				<p>Performed annual inspection in accordance w/ FAR pt. 43 & inspection report 5476 c/w ADs 73-21-07 (lube rod ends on gear) 75-09-08 Engine mt. inspection, 75-23-04 (gear actuator lube actuator) AD 77-17-04 due @ 5476. New rt. tire, all controls & gear lube'd. This airframe found to be airworthy this date:</p> <p>Edell Muff ACP 503-88-0717</p> <p>Edell Muff ACP 57321357 IA</p>

AIRCRAFT LOG

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
					HOURS	10THS	
19 June 28 89			Performed 100 hr. Insp. In Accord. with FAR Part 43				
Tail 5576			Insp. Report # 5576 Replaced left main tire & Break				
ELT Due 1			pins. Replaced nose tire. Installed new Airspeed				
Aug. 89			inst. Comp. with AD 73-21-07 by Insp. & Lube of Gear				
			in FLT. Cond. Rod Ends. Comp. with AD 75-09-08 by				
			insp. of Eng. mt (No cracks noted) Comp with AD 75-28-04				
			by lubrication of Gear actuator This Airframe found				
			to be in Airworthy Condition this date:				
			Richard A. Fairfield				
9-18-89	ELT Batt		replaced w/ new hold unit.				FAA P 50584 8726
ELT Due	ELT due	9-91	Q/A CEI 505880317				

CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE

AIRCRAFT LOG

VOR Receiver operation checked in accordance with FAR 91.25			DATE 19 ____	REMARKS
Date	Bearing error VOR 1 VOR 2	Place Signature		
12-3-89				PERFORMED ANNUAL INSPECTION, IN ACCORDANCE W/ FAR PT. 43
TRACK 5686				AND INSPECTION REPORT 5376. C/W AD-73-21-07 (Lube rod
ELT DUE 9-91				and em Gears) 75-09-08 (engine mount); 75-23-04 (gear actuator
				lube) C/W 77-17-04 (control yoke shaft 100SP. All control and
				Gears lube. This airplane found to be airworthy this date.
				Paul Miller ACP 57321357 IA
				This Transponder has been tested in A/W FAR 43
				Appendix E & FAR 91.172 Date <u>6/6/90</u>
				Signed <u>Matman</u>
				SATMAN AVIONICS CRS 3466
				SIOUX FALLS, SD

~~DIAL~~

~~11/13/91~~

MESSAGES

^{13.}
5740.38

NEW TACK

11/13/91

5099.00

NEW TACK

641.38

DIFF.

2425. —

ACTUAL OLD
A/C TACK

3066.38

A/C Total Time

REF: Log #2

8-27-85

RJA

- [5] Listen [3] Erase [1] [3] Forward
- [2] Back up [7] Save [1] [7] Reply

DATE 19__	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks
		<p>14 October, 1997 Tach Time 0.00 Aircraft Total Time 3029.14</p> <p>Repaired airframe after emergency landing. Aircraft received disassembled, Repaired two each bulkheads in Fuselage Tail Cone section at FS 135.5 and 169.5 (See FAA Form 337 Dated 23 March 96), replaced Fuselage Tail Cone skins, two upper and two lower (See FAA Form 337 Dated 23 March 96), repaired minor damage to bottom of Horizontal Stabilizer and Stringer assembly (See FAA Form 337 Dated 23 March 96), replaced lower rear tube PN 3401117-3 and tube PN 340167 in aircraft Fuselage Tubular Structure Assembly (See FAA Forms 337 Dated 23 March 96) repaired wrinkled upper left wing skin above wheel well (See FAA Form 337 Dated 23 March 96). Replace the forward box assy, main gear attachment PN 210140-501 and aft bearing trunnion PN 210067-7 on the left main gear and the aft trunnion PN 210067-8 on the right main gear. Installed main gear to wing with new attachment hardware. Removed the shock absorber from the nose gear per Mooney Drawing No# 940052 (See FAA Form 337 Dated 23 March 96).</p> <p>(Continued next page)</p>			

DATE	Current Weight and Balance Information
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19__	<p>Installed wings to fuselage with attachment hardware, installed Fuselage Tail Cone Assembly with new attachment hardware. Replaced the following flight control tubes with new attachment hardware, elevator 915030, 915013-1 and 915029, rudder 915031, 915029 and 915028, trim system 915026-9, 915026-7 and trim duct cover 740087-3. Replaced with new attachment hardware 2 each landing gear tubes 560116, main gear doors 55003-1 and -2, nose gear doors 550032-3 and -5 and nose gear truss PN 1940042-505. Replaced brake calipers with serviceable items, replaced brake pads, resealed left main brake master cylinder and re-packed main and nose wheel bearings. Replaced pilots seat rails PN 340156-11 and -13. Replaced right wing tip and outboard skin, repaired pitot air tube attachment point on left wing, resealed left and right fuel tanks, installed 4 new fuel quantity transmitters PN (2 ea) 610242-1, 610242-3 and 610243-1, installed new fuel caps, checked vents for proper operation and installed fuel quantity indicators certified by Tri-County Instruments WO's 16286 and 18285. Re-installed airspeed indicator certified serviceable by Tri-County Instruments WO 15786, resealed all vacuum servos with new seals PN 1010. Installed new main battery PN R35, new ELT battery, wing tip strobe lights and replaced anti collision beacon. (Continued next page)</p>
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DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Installed new PMA exhaust system (See FAA Form 337 Dated 15 September 97), propeller control cable PN MW 1012-1 and alternator belt. Repaired belly skins and structure with the replacement of the following parts: Formers 210111-7, 210110-7, 210109-21, 310123-13, 310020-21 and 310020-10, Bulkhead 350012-3, Skins 310227-001 and 002 and Fairings 310010-1 310213-001, 210108-9, 210108-10, 210108-7 and 210108-8. Replaced upper skins on left and right ailerons, balanced ailerons. (See FAA Form 337 Dated 15 September 97). Resealed flap pump and valve assembly flap actuator, replaced tach with 00.0 serviceable tach, replaced all fluid lines in engine compartment with new items, installed fire sleeves over fluid lines, replaced brake metal lines and flex lines at calipers. Replaced engine shock mounts with new items and attachment hardware, installed new spark plugs and engine baffling repaired. Installed overhauled engine IO360-A1A SN L-1248-51A with 00.0 since overhaul and 3000.49 total time, installed new three bladed Hartzell propeller Model HC-C3YR1RF/F7282 SN DY3799A per STC (See FAA Form 337 Dated 15 September 97. (Continued next page)</p>

DATE	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair</small>
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19__

Aircraft stripped of paint and surface prep accomplished, aircraft primed (epoxy) and painted with Imron paint COLORS 95922U White, U7444 Dk Brown and UH7455 Burnt Orange. Aircraft reassembled after painting, flight controls lubricate, check for proper travel, gear retraction accomplished, all found to be satisfactory. Aircraft weighed with all equipment installed and "0" fuel, weight and balance accomplished, within CG limits, new weight and balance and equipment list developed and placed in aircraft records. I certify that I have inspected this aircraft in accordance with the requirements of 100 hr inspection check list outlined in FAR Part 43, Appendix D and Mooney Aircraft Maintenance Manual and have determine it to be in an airworthy condition. ELT inspected in accordance with the requirements of FAR Part 91.207(d) and determined to be serviceable. AD's complied with during this inspection-73-21-01, 75-09-08, 75-23-04, 77-17-04, 78-15-0280-13-03 and 85-24-03 See AD listing in aircraft records for current sign off). This aircraft is return to service.


Walter J. Clement AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
<i>Trch</i>	<i>00.0</i>		
<i>Total</i>	<i>3029.14</i>		

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

AIRCRAFT LOG BOOK ENTRY

THIS AIRCRAFT'S ALTIMETER SYSTEM AND ALTITUDE REPORTING EQUIPMENT HAVE BEEN INSPECTED AND TESTED IN ACCORDANCE WITH FAR 43 APPENDIX E AND F, TO COMPLY WITH FAR 91.411.

PILOT ALT. P/N 671CPX-10-05 S/N 2137J TESTED TO 20,000 FT.
 CO-PILOT ALT. P/N _____ S/N _____ TESTED TO _____ FT.
Encoder P/N AR-850 S/N 27255 TESTED TO 20,000 FT.
 _____ P/N _____ S/N _____ TESTED TO _____ FT.

THE AIRCRAFT'S ATC TRANSPONDER SYSTEM HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH FAR 43 APPENDIX F TO COMPLY WITH FAR 91.413.

TRANSPONDER Kung P/N KT76 S/N 65608
 TRANSPONDER _____ P/N _____ S/N _____
 W.O. # 18500 DATE 9-22-97 INSPECTOR Tamy [Signature]

TRI-COUNTY INSTRUMENTS, INC., ERIE, COLORADO 80516
 F.A.A. CRS GU6R574N (303) 665-0360

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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15 September, 1997 Tach Time 0.00 Aircraft Total Time 3029.14
 Installed the following avionics per FAA 377 dated 15 September, 1997:
 2 ea King KX155 NAV/COMM, 1 ea King KI209 VOR IND, 1 ea King KI208 VOR IND, 1 ea
 King KMA24 Audio Panel, 1 ea King KN64 DME, 1 ea King KT76 Transponder, 1 ea Narco
 AR850 Blind Encoder and 1 ea PS Engineering PM1000 intercomm system. Weight and
 Balance accomplished and equipment list up-dated. Aircraft return to service.

David D. Davalos
 AP 585702799



DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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— 14 October, 1997 Tach Time 0.00 Aircraft Total Time 3029.14

— I certify that I have inspected this aircraft in accordance with the requirements of Annual inspection check list outlined in FAR Part 43, Appendix D and Mooney Aircraft Maintenance Manual and have determine it to be in an airworthy condition. AD's checked and found to be N/A or complied with (See AD listing in aircraft records for current sign off). This aircraft is return to service

Walter J. Clement
 — Walter J. Clement

— AI 220364845 AP.

REPLACE ELT BATTERY BY:

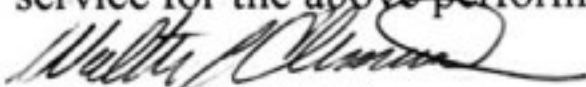
OCT '99

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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15 Dec, 97 Tach Time 16.21

Replaced landing gear shock disc on nose and main landing gear with new serviceable parts (PN 530021-0). Re-bushed nose landing gear by replacing the following: main pivot bushing (PN 914007-4) and bolt (PN AN7-50), 2 ea knee bushing (PN914007-3) and bolts (PN AN7-22A), lower disc bushing (PN 914007-5) and bolt (PN 914004-0).

Replaced steering horn assy (PN 720012-503) and link bearing (PN's F34-14 and REM3-4-2) Re-bushed both main landing gear by replacing the following: 4 ea knee bushing (PN 914020-19) and bolts (PN AN6-22A), 2 ea lower disc bushing (PN 914007-5) and bolts (PN AN9-24A). Performed gear retraction, no noted defects. Greased all landing gear fitting per manual requirements. Replace cabin door lock assy. Resealed left main fuel tank upper rear wall and two upper outboard wing panels. This Aircraft is returned to service for the above performed work.



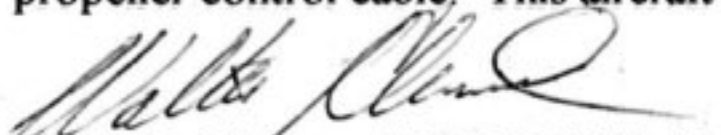
Walter J. Clement

AI 220364845

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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4 April, 1998 Tach time 32.4, Aircraft Total Time 3061.54

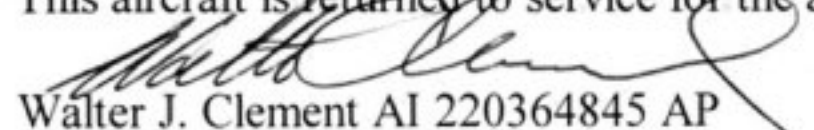
Inspect aircraft nose wheel area for damage after propeller strike, no damage noted, installed new propeller control cable. This aircraft is returned to service for the above accomplished work.



Walter J. Clement AI 220364845 AP

4 April, 1998 Tach time 32.4, Aircraft Total Time 3061.54

Installed new propeller on aircraft after prop strike, engine disassembled and inspected, see engine log book. New propeller Hartzell Model HC-C3YR-1RF S/N DY3954A installed per STC SA4529NM originally installed in 15/9/97 see FAA Form 337 that date. This aircraft is returned to service for the above work accomplished.



Walter J. Clement AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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26 October, 1998 Tach Time 64.99 Total Time 3095.13

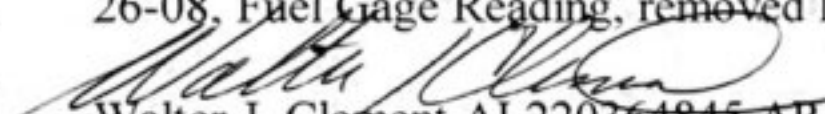
I certify that I have inspected this aircraft in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection. ELT in accordance with FAR Part 91.207 (d) found serviceable ELT battery good to Oct 99. AD's 73-21-01 FlightControls for proper lubrication, 75-23-04 Landing gear actuator lubricated. Lubricated all control hinges and rod ends, repacked main and nose wheel bearing, clean mice nest and dropping out of left wing, washed internal area of left wing and inspection panels. This aircraft is returned to service for the above work accomplished.

James M. Greeno
James Greeno AP 524178871

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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- 26 October, 1998 Tach Time 64.99 Total Time 3095.13

- I certify that I have inspected this aircraft in accordance with the requirements of an
 - annual inspection check list outlined in FAR Part 43, Appendix D and have determined it
 - to be in an airworthy condition on this date. The following items were checked or
 - repaired during this inspection AD 75-09-08, Engine mounts for cracks none noted, 97-
 - 26-08, Fuel Gage Reading, removed lanyards from fuel caps.

- 
 - Walter J. Clement AI 220364845 AP.

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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THE AIRCRAFT'S ATC TRANSPONDER SYSTEM HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH FAR 43 APPENDIX F TO COMPLY WITH FAR 91.413.

TRANSPONDER King P/N KT710 S/N 405408

TRANSPONDER _____ P/N _____ S/N _____

W.O. # 22034 DATE 12-1-99 INSPECTOR Tony Newton

TRI-COUNTY INSTRUMENTS, INC., ERIE, COLORADO 80516
 F.A.A. CRS GU6R574N (303) 665-0360

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

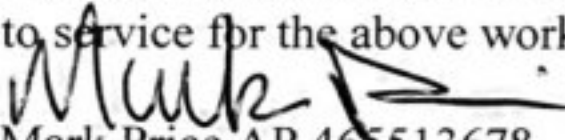
Mooney 20 F, N6456Q, S/N670535

1 December, 1999 Tach Time 167.01 Total Time 3197.15

I certify that I have inspected this aircraft in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection. ELT in accordance with FAR Part 91.207 (d) found serviceable

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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- ELT battery replaced, good to Oct 2001. AD's 73-21-01 Flight Controls for proper
 - lubrication was complied with , 75-23-04 Landing gear actuator lubricated, worm and
 - driven gears were replaced per Dukes Electric Gear Actuator Kit P/N 4196-00-1C and SB
 - M20-190A. AD 75-09-08 Engine Mount Members. AD 98-24-11 Aileron Control
 - Links, replaced both left and right aileron inboard rods with factory new items.
 - Resealed left wing upper rear section of the fuel tank, pressure check to 2 PSI no leaks
 - noted. Replaced tail plane attachment hardware and link bracket (740170-003. Replace
 - engine air intake filter with new item. Replaced O-rings on right main brake calipers.
 - Fuel drains on both left and right tanks replaced with new items This aircraft is returned
 - to service for the above work accomplished.


 Mark Price AP 465513678

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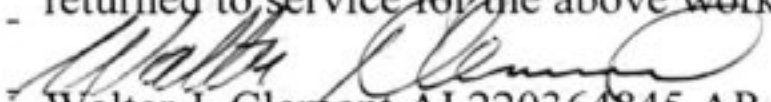
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

1 December, 1999 Tach Time 167.01 Total Time 3197.15

I certify that I have inspected this aircraft in accordance with the requirements of an annual inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection AD 91-14-22 Propeller Strike. No strike occurred since last engine inspection and repair, AD 98-17-11 Crankshaft cracks is N/A by Model & Serial No. AD 98-18-12 Fuel Pump is N/A by Part & Serial No. This aircraft is returned to service for the above work accomplished.


Walter J. Clement AI 220364845-AP

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DATE

19__

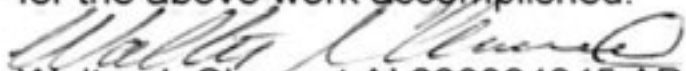
Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

31 January, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 274.36 ACTT 3304.5

I certify that I have inspected this aircraft in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection. ELT in accordance with FAR Part 91.207 (d) found serviceable ELT battery replaced, good to Oct 2001. AD's **73-21-01** Flight Controls for proper lubrication was complied with, **75-23-04** Landing gear actuator lubricated per part II of SB M20-190A. AD **75-09-08** Engine Mount Members. AD **98-24-11** Aileron Control Links were replaced with modified rods, AD no longer required. Resealed right wing upper outboard access panel and left wing upper inboard panel. Replaced drain valve nut plate left wing fuel tank, no leaks noted. Replaced tail plane attachment actuator (740230-501). Install new landing light switch/breaker, removed plastic cover from Nav light switch because it interfered with switch movement. Alternate air door cable secured, tighten mixture cable jam nut and rod end. Installed new stall warning switch per dwing. 940065. Installed new hose between throttle body and cowling. Repaired baffling left lower forward section. Rewound step assist spring, replaced power boost door seal. Resealed flap actuator, replaced nose gear damper bolt bushing with new item, replaced nose gear steering horn bolt. replaced heater scat tubing. Check flight control travel per maintenance manual, lubricated controls and hinges. This aircraft is returned to service for the above work accomplished.

James Greeno

James Greeno AP 524178871


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><i>Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516</i></p> <p>31 January, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 274.36 ACTT 3304.5</p> <p>I certify that I have inspected this aircraft in accordance with the requirements of an Annual inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection AD 91-14-22 Propeller Strike. No strike occurred since last engine inspection. Other AD's checked and found to be complied with or do not apply. This aircraft is returned to service for the above work accomplished.</p> <p> Walter J. Clement AI 220364845 AP</p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

15 March, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 274.95 ACTT 3305.09

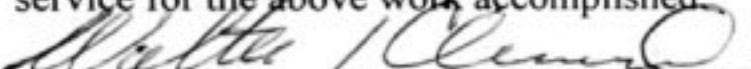
Removed flap pump and valve assembly and replaced with overhauled unit P/N 750081-000, operationally checked flaps and found to operate within manufactures specification. This aircraft is returned to service for the above work accomplished.


Walter J. Clement IA 220364845 AP

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

19 July, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 328.45 ACTT 3358.59

Trouble shot GPS found broken wire, repaired. Removed and reinstalled attitude gyro after overhaul S/N 04394H67, operationally checked good. Trouble shot low air speed and landing gear retraction malfunction, cleaned pitot tube of blockage. Operationally check within limits. This aircraft is returned to service for the above work accomplished.


Walter J. Clement IA 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

02 October, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 362.47 ACTT 3392.61

Removed and replaced stall warning switch, adjusted to appropriate setting. In flight check required to determine proper setting. Replaced main aircraft battery with new serviceable item. Replaced positive battery lead from battery to relay. Serviced brakes with proper fluid. This aircraft is returned to service for the above work accomplished.


Terrill Shafer AP522255710

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

17 November, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 274.36 ACTT 3397.81

Trouble shot landing gear system, found emergency engagement drive gear splines worn. Replaced gear with new item P/N 3214-00. Operationally checked landing gear system and found to operate normal. This aircraft is returned to service for the above work accomplished.


Terrill Shafer AP522255710

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

1 February, 2002 Mooney 20 F, N6456Q, S/N 670535 Tach Time 411.71 ACTT 3441.85

I certify that I have inspected this aircraft in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection. ELT in accordance with FAR Part 91.207 (d) found serviceable, ELT battery replaced, good to Jan 2004. AD's **73-21-01** Flight Controls for proper lubrication was complied with, **75-23-04** Landing gear actuator lubricated per part II of SB M20-190A. AD **75-09-08** Engine Mount Members. Check flight control travel per maintenance manual, lubricated controls and hinges. This aircraft is returned to service for the above work accomplished.


Russell Moon AP 594685612

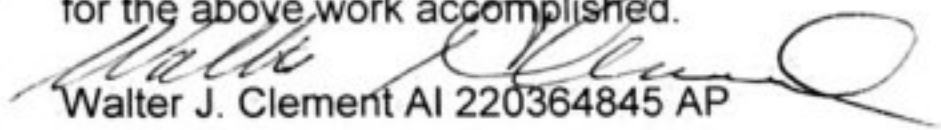
or Repair

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

1 February, 2002 Mooney 20 F, N6456Q, S/N 670535 Tach Time 411.71 ACTT 3441.85

I certify that I have inspected this aircraft in accordance with the requirements of an **Annual** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection AD **91-14-22** Propeller Strike. No strike occurred since last engine inspection. Other AD's checked and found to be complied with or do not apply. This aircraft is returned to service for the above work accomplished.


 Walter J. Clement AI 220364845 AP

THE AIRCRAFT'S ATC TRANSPONDER SYSTEM HAS BEEN INSPECTED AND TESTED IN ACCORDANCE WITH FAR 43 APPENDIX F TO COMPLY WITH FAR 91.413.
 TRANSPONDER King P/N KT76 S/N 22034
 TRANSPONDER P/N S/N
 W.O. # 24620 DATE 2-30-02 INSPECTOR W. J. Clement

TRI-COUNTY INSTRUMENTS, INC., ERIE, COLORADO 80516
 F.A.A. CRS GU6R574N (303) 665-0360

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

7 March, 2002 Tach Time 436.41 Total Time 3466.55

Installed air oil separator M-20 STC number SA02033AT in accordance with manufactures installation (Drawing 304, revsion D, dated 1/9/01). Adjusted rear seat latch, re-sealed upper inboard fuel cell panel. This aircraft is returned to service for the above work accomplished.


Terrill Shafer AP522255710

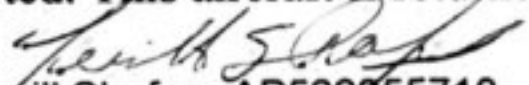
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

20 May, 2002 Tach Time 499.76 Total Time 3529.90

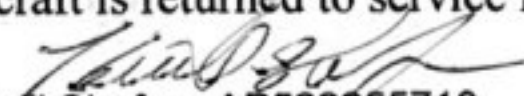
Replaced sniffer valve on engine, P/N 610122-000, reinstalled air oil separator, replace alternator support bracket, replaced alternator with new item P/N ALY-8520, S/N C041039, replaced voltage regulator P/N R15300 S/N P0G013. Replaced broken ground wire on alternator. Operational check of alternator system accomplished, no defects noted. This aircraft is returned to service for the above work accomplished.



Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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- ***Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516***
- Mooney 20 F, N6456Q, S/N670535
- 28 May, 2002 Tach Time 500.69 Total Time 3530.83
- Inspected landing gear for malfunction(fail to extend electrically) found a loose connection on the landing gear solenoid, tighten connection operationally check extension system four times, system operated normally with no defects noted. Inspected control tubes in tail section cleaned grease build-up and no defects noted during inspection. This aircraft is returned to service for the above work accomplished.


 Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

11 June, 2002 Tach Time 500.69 Total Time 3530.83

Removed and replaced nose tire and tube with new item 5 X 500 size. This aircraft is returned to service for the above work accomplished.


 Russell Moon AP 594685612

DATE

RECORDING
TACHTODAY'S
FLIGHTTOTAL
TIME IN

Description of Inspections, Tests, Repairs and Alterations

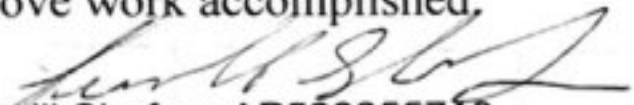
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

11 Nov, 2002 Tach Time 600.35 Total Time 3630.49

Replaced Nav light switch with new item P/N 7270-5-5. Removed fuel distributor valve (spider) had repaired by Aircraft Cylinders and Engines, re-installed and ground tested. No leaks noted and operated within limits. This aircraft is returned to service for the above work accomplished.


 Terrill Shafer AP522255710


Repair

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

5 March, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 612.87 ACTT 3643.01

I certify that I have inspected this aircraft in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection. ELT in accordance with FAR Part 91.207 (d) found serviceable, ELT battery ~~replaced~~ good to Jan 2004. AD's **73-21-01** Flight Controls for proper lubrication was complied with, **75-23-04** Landing gear actuator lubricated per parts I and II of SB M20-190A, gears found to be worn beyond limits replaced gears with kit M20-190-1 and bearing 6201-2NSE. **75-09-08** Engine Mount Members and **77-17-04** Control Wheel Shaft. Check flight control travel per maintenance manual, lubricated controls and hinges. Re-packed wheel bearings, preformed gear retraction and checked emergency extension. Serviced battery, checked all fluid levels and found within limits. This aircraft is returned to service for the above work accomplished.


Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

5 March, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 612.87 ACTT 3643.01

I certify that I have inspected this aircraft in accordance with the requirements of an **Annual** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked or repaired during this inspection AD **01-07-03** Propeller Return, N/A by Hub S/N, AD **02-09-08** Propeller Blade Shank N/A by Blade S/N Other AD's checked and found to be complied with or do not apply. This aircraft is returned to service for the above work accomplished.


Walter J. Clement AT 220364845 AP

June 7, 2004

N6456Q

M20F S/N 670535

Tach: 729.34

TT: 3759.48



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed an annual inspection of aircraft in accordance with FAR 43 appdx D and manufacturers checklist.

Complied with the following Airworthiness Directives:

- 73-21-01 Flight Control and Landing Gear Rod End Bearing Lubrication**
Complied with by lubrication of flight controls and landing gear iaw paragraph (a) of AD text.
Due next: 829.34 or 5/05

- 75-23-04 Electric Gear Actuator Inspection/Lubrication**
Complied with by lubrication of gear actuator iaw Part II of Mooney SBM20-190.
Parts I and III previously accomplished at tach time 612.87. Due next at tach 812.87.
Part II due next at tach 829.34.

- 75-09-08 Tubular Engine Mount Inspection**
Complied with by inspection iaw Mooney SB M20-192. No defects noted.
Due next: 829.34

- 77-17-04 Control Wheel Shaft Inspection**
Complied with by replacement of pilot side control shaft with improved shaft p/n 710072-501.
Complied with by inspection of co-pilot side control shaft iaw paragraph (a) of AD text.
Repetitive inspection per paragraph (a) of AD text no longer applies to pilot side control shaft.
Repetitive inspection per paragraph (a) of co-pilot control shaft due next at tach time 1229.34

Performed landing gear operational check and inspection. Found excessive wear marks on both main gear spindles. Installed new gear spindles p/n 52002-501 (1ea) and p/n 520002-502 (1ea). Cycled gear checked rigging, performed emergency gear extension, checked for operation of gear emergency lights and horns. Installed new mixture control p/n 660189-003. Checked aircraft lights. Serviced battery and cleaned fuel screen. Tested ELT iaw FAR 91.207 (a-d) o.k. battery due May 2006. Repaired pilot side seat by installation of serviceable 140041-5 adjustment knob. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.-----END-----

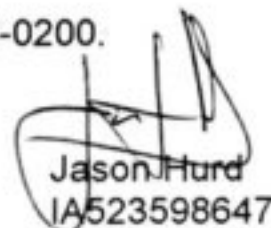

Jason Hurd
IA523598647



November 1, 2004
N6456Q
M20F S/N 670535
Tach: 793.42



Vector Air LLC
395 Airport Drive
Erie, CO 80516

Installed replacement prop cable p/n 660189-005. Replaced R/H brake disc p/n RA164-0200.
Operational check of all installed items satisfactory. -----END-----


Jason Hurd
IA523598647

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<div data-bbox="199 298 451 459"> <p>April 12, 2005 N 6456Q S/N: 670535 Tach: 814.7</p> </div> <div data-bbox="1123 269 1543 453" style="text-align: center;">  </div> <div data-bbox="1585 344 1869 447" style="text-align: right;"> <p>Erie Municipal Airport 395 Airport Drive Erie, CO 80516</p> </div> <div data-bbox="199 505 1932 671"> <p>Installed JP Instruments Model EGT-701 EGT/CHT monitoring system in accordance with STC SA2586NM See FAA form 337 dated April 12, 2005. Revised aircraft weight and balance. Installed flight manual supplement in aircraft flight manual and advised owner/operator of change to flight manual. Operational check satisfactory. ---END---</p> </div> <div data-bbox="1375 596 1890 797" style="text-align: right;">  Terrill Shafer IA2860279 </div>

DATE 19 ____	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Transponder/Encoder Biennial Certification

N# 604560, Hours 824.66 TACH

The Aircrafts ATC Transponder KING, P/N KT76,
S/N 6568, and Encoder NARCO P/N AR 850,
S/N 27255, Has been inspected and tested ICW FAR 43
Appendix E and F to Comply with 91.413.

W.O.# 50628765 Date: 6/28/05

INSPECTOR: Gene Dickus

Front Range Transponder Svc

1990 Roland Dr., Bailey, Co 80421

303-808-9276

CRS F42R979Y

RAPCO, inc.

Air Filter P/N _____

Changed at:

824.66 Hrs.

Next Change:

_____ Hrs.

Date: 6/05

Date: _____

**NEXT FILTER CHANGE AT
200 HOURS OR AT ANNUAL**

DATE June 29, 2005
19- N6456Q
S/N: 670535
Tach: 824.66
TT: 3854.80



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed an **annual** inspection of aircraft in accordance with FAR 43 appdx D and a checklist. C/W AD 76-07-12 by operational check of magneto switch was o.k. due every 100hrs. C/W AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs. C/W AD 75-09-08 by inspection of tubular engine mount in accordance with Mooney SB M20-192A, due every 100hrs. C/W AD 75-23-04 part I, II, and III by inspection and lubrication of drive worm and pinion gear, and ball joint in accordance with Mooney SB M20-190B. Part I due again at tach 1024.66, part II due again at tach 924.66. Part III due in conjunction with Part I. Replaced air filter BA-6305, vacuum filters B3-5-1, and RA-D9-18-1. Performed multiple landing gear retraction tests, including emergency extension test. Replaced air pressure safety switch P/N 880013-505, S/N 1113. Tightened set screw on pilot control yoke. Repaired left front baffle support. Checked aircraft lights. Serviced battery and cleaned fuel screen. Tested ELT iaw FAR 91.207 (a-d) o.k. battery due May 2006. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's. Above repairs accomplished by Tom Farago AP522335612, and Terrill Shafer IA2860279. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.----END----


Terrill Shafer
IA2860279

DA August 16, 2005
19 N6456Q
S/N: 670535
Tach: 851.7



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Removed and replaced nose tire, Condor 500x5. Tightened mixture cable panel retainer nut. Vacuum test positive control system, no defects noted. —END—

A handwritten signature in black ink, appearing to read 'Terrill Shafer', is written over the printed name.

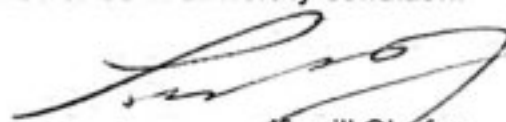
Terrill Shafer
IA2860279

July 14, 2006
N6456Q
S/N: 670535
Tach: 899.74
TT: 3929.88



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed an **annual** inspection of aircraft in accordance with FAR 43 appdx D and a checklist. C/W AD 76-07-12 by operational check of magneto switch was o.k. due every 100hrs. C/W AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs. C/W AD 75-09-08 by inspection of tubular engine mount in accordance with Mooney SB M20-192A, due every 100hrs. C/W AD 75-23-04 Part II, lubrication of drive worm and pinion gear, and ball joint in accordance with Mooney SB M20-190B. Part I due again at tach 1024.66, part II due again at tach 999.74. Part III due in conjunction with Part I. Replaced air filter BA-6305, vacuum filters B3-5-1, and RA-D9-18-1. Installed new aircraft battery, Concorde RG-35AXC. Replaced both fuel cap O-rings, P/N MS29513-338. Replaced left brake linings 66-105. Resealed left brake caliper. Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Tested ELT iaw FAR 91.207 (a-d) o.k. replaced battery due June 2008. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's. Above repairs accomplished by James Phipps AP 2816778, and Terrill Shafer IA2860279. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.---END---



Terrill Shafer
IA2860279

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				N# <u>C454 Q</u> Transponder/Encoder Biennial 91.413 Certification This aircrafts Altimeter system and Altitude Reporting Equipment have been inspected and tested in accordance with FAR43 appendix E(c)
				PILOT ALT. P/N <u>671CPX-10-251</u> S/N <u>21375</u> Tested to: <u>18000</u>
				ENCODER P/N <u>AR-850</u> S/N <u>27255</u> Tested to: <u>18000</u>
				The Aircrafts ATC Transponder System has been inspected and tested ICW FAR 43 Appendix F to comply with 91.413
				TRANSPONDER: <u>KING</u> P/N <u>KT-76</u> S/N <u>6568</u>
				W.O.# <u>709281268</u> Date: <u>8/28/07</u> Hours: <u>920.46</u>
				INSPECTOR: <u>Gene Riches</u> Front Range Transponder Svc 1990 Roland Dr., Bailey, Co 80421 303-808-9276 CRS F42R979Y

DATE

19

September 1, 2007 N6456Q S/N: 670535

Tach: 920.46

TT: 3950.60

Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

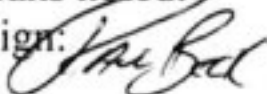
1. Performed an annual inspection of aircraft in accordance with FAR 43 appdx D and a checklist.
2. C/W AD 76-07-12 by operational check of magneto switch was o.k. due every 100hrs.
3. C/W AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs.
4. C/W AD 75-09-08 by inspection of tubular engine mount in accordance with Mooney SB M20-192A, due every 100hrs.
5. C/W AD 85-24-03, by inspection of fuel cap O-rings. Replaced MS29513-338 and -010. Due every 12 months per SB M20-229A.
6. Tested ELT iaw FAR 91.207 (a-d) o.k. replaced battery due June 2008.
7. Bleed and serviced brakes due to soft brakes on run-up.
8. C/W Mooney SB M20-289A by installing aileron center link spacer and hardware kit M20-289-000.
9. Replaced right cowl flap push rod upper rod end bearing F34-16M.
10. Replaced left elevator bungee mounting bearing PN LS-3.
11. Replaced elevator trim actuator rod aft two U-joints PN MS20270-B8, MS 20270-B10, bushings, 2ea. PN 915026-17, 1ea. 915026-019, pins 6ea. MS20392-1C25, and tube assembly 740029 at trim barrel slip joint.
12. Removed and resealed left outboard fuel sender unit.

Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

-----END-----

A handwritten signature in black ink, appearing to read 'Terrill Shafer', written over a horizontal line.

Terrill Shafer
IA2860279

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		Willmar Air Service 800-279-1545	Airframe Log Entry Fuel Tank Reseal N6456Q	<p>Date: 9/30/2008 Tach: 934.8. With specialized equipment, removed original sealer with Polygone chemical. Following this sealer removal from both tanks and covers, the entire area was pressure washed with water to remove all residual digested sealer and chemical. Prepare the tanks for sealer application with Poly Wipe towels. Applied CS3204-B2 to all fillet areas. Following additional curing time, applied CS3600 top coat to all sealed areas. Following a satisfactory inspection, installed the newly sealed access covers with CS3330-B1/2 and wing walk panel with CS3204-B1/2. Replaced transmitter gaskets and installed new fuel drains. CW AD85-24-03 IAW M20-230 and M20-229 service instructions. Fueled tanks to capacity. No leaks noted.</p>
				Sign: 
				A&P 477781355

February 12 2009 N6456Q S/N: 670535

Tach: 939.40

TT: 3969.54



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed an **annual** inspection of aircraft in accordance with FAR 43 appdx D and a checklist.
2. **CW AD 76-07-12** by operational check of magneto switch, switch failed test, replaced with new P/N 10-357210-1.
Due every 100hrs.
3. **CW AD 73-21-01** by lubrication of flight control and landing gear retraction control systems due every 100hrs or 12 months.
4. **CW AD 85-24-03**, by inspection of fuel cap O-rings. Replaced MS29513-338 and -010. Due every 12 months per SB M20-229A.
5. Tested ELT iaw FAR 91.207 (a-d) o.k. replaced battery due March 2010.
6. Replaced nose gear steering link rod end bearings P/N F34-14, and REM3-4-2.
7. Replaced Generator Shunt P/N 10-02073.
8. Replaced gyro central air filter P/N RAD9-18-1.

Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. **CW** inspection instructions for continued airworthiness for installed STC's. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

-----END-----

A handwritten signature in black ink, appearing to read 'Terrill Shafer', written in a cursive style.

Terrill Shafer
IA2860279

D/
19

September 1 2009
N6456Q
S/N: 670535



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

epair

Replaced cowling ram air door control cable P/N 940088-505. ---END---

William A Lange
William A Lange
AP2712036

N# 6456Q Transponder/Encoder Biennial 91.413 Certification

This aircrafts Altimeter system and Altitude Reporting Equipment have been inspected and tested in accordance with FAR43 appendix E(c)

PILOT ALT. P/N 671CPX-10-051 S/N 21375 Tested to: 20000

ENCODER P/N AR-850 S/N 27255 Tested to: 20000

The Aircrafts ATC Transponder System has been inspected and tested ICW FAR 43 Appendix F to comply with 91.413.

TRANSPONDER: KING P/N RT-74 S/N 6568

W.O. # 100421844 Date: 4/21/10 Hours: 950.23 TACH

INSPECTOR: Gene Diehues

Front Range Transponder Svc
1990 Roland Dr., Bailey, Co 80421
303-808-9276 CRS F42R979Y

April 21 2010
N6456Q
Mooney M20F S/N: 670535
Tach: 950.14 ACTT: 3980.28



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

air

1. Performed an **annual** inspection of aircraft in accordance with FAR 43 appdx D and a checklist.
2. C/W AD 76-07-12 by operational check of magneto switch. Found ok. Due every 100hrs.
3. C/W AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs or 12 months.
4. C/W AD 85-24-03, by inspection of fuel cap O-rings. Replaced MS29513-338 and -010. Due every 12 months per SB M20-229A.
5. Tested ELT in accordance with FAR 91.207 (a-d) o.k. replaced battery P/N BP1010 due April 2012.
6. Repaired pilot seat back by replacing seat structure sides P/N's 140078-003, 140078-004, top 140078-011, and back cover 140078-021.
7. Removed and resealed left brake master cylinder. Reinstalled serviced and bled brakes.

Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

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19— August 1 2011

N6456Q

Mooney M20F S/N: 670535

Tach: 952.63 ACTT: 3982.77



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed an annual inspection of aircraft in accordance with FAR 43 appendix D and a checklist.
2. C/W AD 76-07-12 by operational check of magneto switch. Found ok. Due every 100hrs.
3. C/W AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs or 12 months.
4. Tested ELT in accordance with FAR 91.207 (a-d) o.k. replaced battery P/N BP1010 due April 2012.
5. Replaced alternator belt with new P/N 37A19773-376.
6. Rerouted and re-clamped oil sump drain tube.

Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. C/W inspection instructions for continued airworthiness for installed STC's. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition.

-----END-----


Jason Furd
IA2736030

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>A/C Mooney / M20F N6456Q</p> <p>Tach: 0953.22 February 11, 2014</p> <p>Transponder Make/Model King / KT76 S.N. 6568 in this A/C has been inspected IAW Title 14 CFR 91.413 and found to comply with the specifications of Title 14 CFR 43 App F.</p> <p>Altimeter Make/Model Kollsman / 671CPX-10-05 S.N. 2137,</p> <p>Encoder Make/Model Narco / AR-850, S.N. 27255, and the Static System have been inspected IAW Title 14 CFR 91.411 and found to comply with the specifications of Title 14 CFR 43 App E.</p> <p>Details on file under MTSWO 40210 CRS TJJR625X</p> <p>Dan Fisher-Chief Inspector <u><i>Dan Fisher</i></u> Date <u>2-11-2014</u></p> <p>Mobile Transponder Services, LLC. 6015 W Condor Rd Peyton, CO 80831</p>

DAT

March 1 2014

N6456Q

19

Mooney M20F S/N: 670535

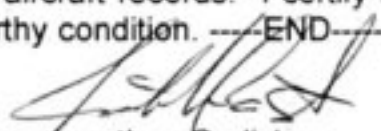
Tach: 953.01 ACTT: 3983.15



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed an annual inspection of aircraft in accordance with FAR 43 appendix D and a checklist.
2. Complied with AD 76-07-12 by operational check of magneto switch. Found ok. Due every 100hrs.
3. Complied with AD 73-21-01 by lubrication of flight control and landing gear retraction control systems due every 100hrs or 12 months.
4. Complied with AD85-24-03 by inspection and testing fuel cap O-rings, due each 100hrs or 12 months.
5. Complied with AD 12-05-09 by inspecting empennage trim fitting and hardware for proper shim location per SB M20-313-1.
6. Tested ELT in accordance with FAR 91.207 (a-d) o.k. replaced battery P/N BP1010 due Nov2015.
7. Replaced main and nose landing gear shock disc P/N's J11968-14, and nose gear shock disc strut with LASAR part P/N LA540015-001 and lower bushing P/N LA25-914007-005AB.
8. Repaired worn hinge on left cowl flap attachment.
9. Removed and resealed right brake master cylinder. Serviced and bled brakes.
10. Tightened and shimmed nose gear steering horn and mechanism.
11. Replaced engine air filter P/N BA6305.
12. Replaced wing leveler vacuum filters P/N's 123-002-002.

Performed multiple landing gear retraction tests, including emergency extension test. Checked aircraft lights. Serviced battery and cleaned fuel screen. Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, wings, control systems and overall aircraft condition. CW inspection instructions for continued airworthiness for installed STC's. All above repairs accomplished in accordance with Mooney service manual #106. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with an annual inspection and determined to be in airworthy condition. ---END---


Jonathan Carlisle
IA3063926

DATE

July 8 2022

N6456Q

19

Mooney M20F S/N: 670535

Tach: 953.59 ACTT: 3983.73



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Installed new main aircraft battery P/N RG35A.
2. Installed new ELT battery, P/N BP1010, tested ELT in accordance with FAR 91.207 (a-d) next due **AUG 2024**.
3. Installed new induction air filter P/N BA6305. -----END-----

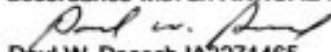
A handwritten signature in black ink, appearing to read 'Terrill Shafer', written over a horizontal line.

Terrill Shafer
AP2862079IA

9/24/22 N6456Q Mooney M20F S/N: 670535

TACH: 954.04

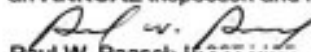
Performed **ANNUAL** inspection in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Inspected ELT in accordance with FAR 91.207(d). Battery due: AUG 2024. Inspected and lubed all control surfaces, cables, rod ends and pulleys. Inspected landing gear, wheels, tires and brakes. Performed five fault free landing gear cycles and tested the emergency extension system. Inspected interior and exterior lights. Inspected exhaust system by pressure check. Installed landing tube boots. Removed right fuel quantity gauge and sent to Tri County Instruments in Lafayette, CO for repair. See FAA Form 8130-3 dated 8/31/22. Reinstalled and op-checked. Removed mouse nests and droppings and sprayed ACF-50 over corroded areas. Tightened left brake master cylinder AN fitting. Replaced right fuel sender gasket. Complied with **AD 76-07-12** ignition switch op-check. Complied with **AD 73-21-01** Lube of flight control and gear. Complied with **AD 85-24-03** Inspection of fuel cap o-rings. Checked ADs through bi-weekly period. Checked ADs through bi-weekly period. I certify this **aircraft** has been inspected in accordance with an **ANNUAL** inspection and has been found in an airworthy condition on this date.


Paul W. Paasch IA3271465

9/24/22 N6456Q Mooney M20F S/N: 670535
Lycoming IO-360-A1A S/N: L-1248-51A

TACH: 954.04
TSMO: 954.04

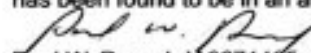
Performed 100 HR inspection for **ANNUAL** in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Compression test results: 1) 78/80 2) 78/80 3) 79/80 4) 79/80. Master orifice: 45/80. Boroscoped cylinders. Inspected spark plugs. Inspected exhaust system by pressure check. Checked magneto timing. Test flow aircraft and inspected suction screen and filter for metal. Complied with **AD 15-19-11** Inspection of fuel injector lines. Checked ADs through bi-weekly period. I certify this **engine** has been inspected in accordance with an **ANNUAL** inspection and has been found to be in an airworthy condition on this date.


Paul W. Paasch IA3271465

9/24/22 N6456Q Mooney M20F S/N: 670535
Propeller HC-C3YR-1RF S/N: DY3954A

TACH: 954.04
TSPOH: 921.64

Performed 100 HR inspection for **ANNUAL** in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Inspected propeller, hub, blades and hub. Checked nut and cotter pin. Checked ADs through bi-weekly period. I certify this **propeller** has been inspected in accordance with an **ANNUAL** inspection and has been found to be in an airworthy condition on this date.


Paul W. Paasch IA3271465



The Standard

ENGINE LOG

ASA-SE-1

Engine Record General Information

Manufacturer Lycoming Model I0-360-A1A

Serial L-1248-51A Type Certificate _____

This engine is currently installed in aircraft Mooney 20F, S/n-670535, N6456Q

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at 2000 hours

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>14 October, 1997 Tach Time 0.00 Total Engine Time 3000.49</p> <p>Major engine overhaul performed at this time, engine disassembled, crankcase halves and accessory case inspected, repaired and overhauled SN L-1248-51A by Divco WO 62416. Crankshaft replaced with used serviceable item SN 35131 certified by Aircraft Engine Accessory WO 85029. Connecting rods inspected, rocker arms re-bushed, internal steel parts and accessory gears inspected, all certified serviceable by Aircraft Specialties Service WO 88439. 8 ea lifters replaced with PN 72877 certified serviceable by Aircraft Specialties Service WO 90028. All cylinders overhauled by Aircraft Engine Services WO/Inv 3077 as follows STD steel cylinders with replacement parts 4 ea 16740 EX valves, 4 ea 13622 INT valves, 8 ea 72050 keys, 8 ea MS13997-3 keys, 4 ea 62388 caps, 4 ea MS13998-3 caps, 8 ea 11796 springs, 8 ea 11797 springs, 4 ea LW16475 key retainers, 4 ea 69532 key retainers, 4 ea LW10207 pistons, 8 ea 74241 rings, 4 ea 73857 rings, and 4 ea AL14077-1 piston pins. (Continued next page)</p>

DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections Tests Repairs and Alterations
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19				Other additional new parts installed were camshaft SL18840, hdy tappets
				SL78290, rocker arm shafts SL72626A, main bearings SL13884 M10 and LW-
				11021-M10, rod cap bearings SL74309 M03, tach drive shaft SL76121, piston
				cooling oil jets 73772, oil pump drive shaft SL61174A, oil pump impeller set
				SL18109A-S, one piece oil pump housing SL78531, 5 ea push rod covers, 3 ea
				push rods, starter ring gear SL72566, and oil filler tube. Components overhauled
				were Bendix fuel throttle body RSA-5AD1 2524054-10 SN 18678, flow divider
				2524177-2 SN M327, and 4 ea lines and nozzles by Mike's Aircraft Fuel Metering
				Service WO 10207. AC fuel pump, 40296 AA5546 by Aero Accessories WO
				22815, Propeller Governor Hartzell H-1 SN 1674V by Rocky Mountain Propellers
				WO 17710, Southwest oil cooler 8432L SN 328 by Pacific Oil Cooler Service WO
				16106. Magnetos 10-163045-3 SN 2070885, and 10-163005-2 SN 2060657,
				Alternator ALY-8420 SN 8V000074 and Starter MZ-4218R SN 4052221 by Aero
				Masters WO 1922 A thru D. Airborne vacuum pump 211CC SN 07-5366 by
				Singers Vacuum Pump Exchange WO 07-4366 and Engine Mount 590000-511
				SN K4008 by Kosola & Associates WO 23608. All new gaskets and seals
				installed. (Continued next page)

Repair

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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AD's C/W are 66-20-04, 71-05-02, 71-11-02, 73-23-01, 75-08-09, 87-10-06R1, 90-04-06R1, 91-14-22, 92-12-05, 93-02-05, 93-11-11, 95-07-01, 95-26-02, 96-09-10, 96-23-03, and 97-15-11.


Aero Shell 100, 50W mineral oil installed to the eight quart level, Champion CH48110 oil filter installed. Engine run-up performed and found to be satisfactory, this engine is determined to be airworthy and is returned to service.


Walter J. Clement

AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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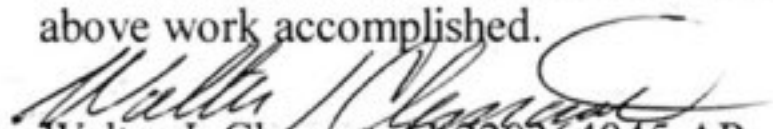
4 April, 1998 Tach time 32.4, Engine TSO 32.4, Engine Total time 3032.89
 Disassembled engine for propeller strike, inspected crankshaft, drive gear and crank cases, found crankshaft and crankcases beyond serviceable limits Replaced crankshaft with serviceable item form Bollduc Aviation, (WO 14060) SB 475 and AD 91-14-22 C/W. Replaced crankcases with serviceable item from Divco, Inc. (WO 64667) SN 3345. Reassembled engine in accordance with Lycoming maintenance manual and service instructions. New gaskets and seals installed. Engine ground ran, leak checked and adjusted to manual limits This engine is returned to service for the above work accomplished.


 Walter J. Clement AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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26 October, 1998 Tach Time 64.99 Total Time 3095.13

I certify that I have inspected this engine in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked and or repaired during this inspection. AD91-14-22 Propeller Strike. No strike occurred since last engine inspection and repair, AD 93-02-05 Fuel Injector Lines, inspected no defects noted, 98-02-08 Corrosion Pits on Crankshaft, does not apply aircraft does not have a fixed propeller. Spark plug cleaned and gapped, Compression as follows #1 80/80, #2 80/78, #3 80/79, #4 80/80, oil drained and re-service with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110. This engine is returned to service for the above work accomplished.


 Walter J. Clement AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

1 December, 1999 Tach Time 167.01 Total Time 3197.15

I certify that I have inspected this engine in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked and or repaired during this inspection. Spark plug cleaned and gapped, Compression as follows #1 79/80, #2 77/80, #3 79/80, #4 77/80, oil drained and re-service with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110. This engine is returned to service for the above work accomplished.


 Mark Price AP 465513678

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DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

11 February, 2000 Tach Time 179.38 Total Time 3209.52

Removed all engine cylinders for blow by, replaced all piston rings and broke glaze on cylinder walls. Installed new gaskets and seals. Replaced engine oil with Aero Shell 100 mineral oil, installed new clean filter. Ground ran engine, operated within limits specified. This engine is returned to service for the above work accomplished.

James Greeno
James Greeno AP524178871

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

31 January, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 274.36 ACTT 3304.5

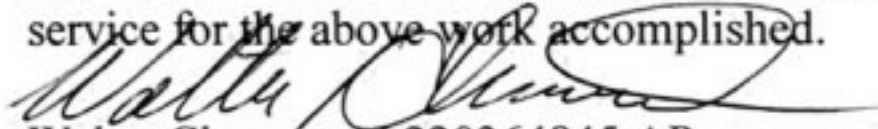
ENGINE IO-360-A1A S/N I-1248-51A TSMOH 274.36 Total Engine Time 3274.85

I certify that I have inspected this engine in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked and or repaired during this inspection. Spark plug cleaned and gapped, Compression as follows #1 80/80, #2 75/80, #3 78/80, #4 80/80, oil drained and re-service with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110. Re-torqued case split line bolts, replaced oil drain hose #2 cylinder. C/W AD **71-05-02** Inspect Lubrication System for Metal Contamination, AD **93-02-05** Inspect Fuel Injector Lines for Proper Clamping and Cracks. This engine is returned to service for the above work accomplished.

James Greeno

James Greeno AP 524178871

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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— ***Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516***
 — Mooney 20 F, N6456Q, S/N670535
 — 22 March, 2001 Tach Time 276.78 Total Time 3306.92
 — Remove lower cowling, propeller and applied epoxy sealant along the crankcase split
 — line, replaced crankshaft nose seal with new item. Ground ran engine for .5 hrs., no
 — leaks noted. Checked crankcase pressure found within limits. This engine is returned to
 — service for the above work accomplished.
 — 
 — Walter Clement AI 220364845 AP

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

19 July, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time 328.45 ACTT 3358.59

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 328.45 Total Engine Time 3328.94

Drained and re-serviced engine with 8 qts Aero Shell 15W50 oil, replaced oil filter with new CH48110 filter. Cut open filter and found to be normal, took oil sample for analysis. Trouble shot engine start problem found mixture set to lean, adjusted mixture. This engine is returned to service for the above work accomplished.

Walter J. Clement
Walter J. Clement IA 220364845 AP

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

17 November, 2001 Mooney 20 F, N6456Q, S/N670535 Tach Time ~~274.36~~ 367.67 ACTT 3397.81 *(B)*

Trouble shot hard starting engine found mixture setting lean, determined that fuel servo malfunctioning, removed and sent to Accessories Connection for overhaul. Re-installed fuel servo, operationally checked, set mixture, idle and power stops. Ground ran and checked within limits. Replaced engine air filter with new item P/N BA6310. This engine is returned to service for the above work accomplished.

Terrill Shafer
Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

1 February, 2002 Mooney 20 F, N6456Q, S/N 670535 Tach Time 411.71 ACTT 3441.85

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 411.71 Total Engine Time 3412.20

I certify that I have inspected this engine in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked and or repaired during this inspection. Replaced all spark plugs with new REM40E plugs. Replaced exhaust gaskets with new item. Compression as follows #1 79/80, #2 77/80, #3 80/80, #4 80/80, oil drained and re-service with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110. C/W AD **00-18-53** Oil filter converter plate gaskets, AD **93-02-05** Inspect Fuel Injector Lines for Proper Clamping and Cracks. This engine is returned to service for the above work accomplished.


 Russell Moon AP 594685612

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

12 March, 2002 Tach Time 438.85 Total Time 3468.99

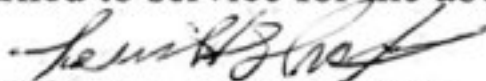
Replaced #4 cylinder valve cover gasket, oil filler gasket and oil hose to oil separator.

Leak and ops checked within limits. This engine is returned to service for the above work accomplished.



Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair</small>
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— ***Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516*** _____
 — Mooney 20 F, N6456Q, S/N670535 _____
 — 26 April, 2002 Tach Time 477.37 Total Time 3507.51 _____
 — Drained and reserviced engine oil with 8 qts of Aeroshell 15W50 oil. Changed oil filter _____
 — with new filter P/N CH48110. Took oil sample and submitted for analysis. This engine is _____
 — returned to service for the above work accomplished. _____
 —  _____
 — Terrill Shafer AP522255710 _____

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

5 March, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 612.87 ACTT 3643.01

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 612.87 Total Engine Time 3613.36

I certify that I have inspected this engine in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. The following items were checked and or repaired during this inspection. Compression as follows #1 76/80, #2 77/80, #3 76/80, #4 74/80, oil drained and re-service with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110. Repaired fuel pump drain tube C/W AD 71-05-02 Oil filter inspection, AD 91-14-22 Propeller Strike, 02-26-01 Inspect Fuel Injector Lines for Proper Clamping and Cracks.. This engine is returned to service for the above work accomplished.


Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><i>Aero Systems, Inc.</i> 2580 South Main Street, Erie, CO 80516</p> <p>May 30, 2003 Mooney 20F S/N: 67035 N6456Q Tach: 638.68</p> <p>Removed prop, installed new alternator belt (p/n: 37A19773-376) and reinstalled prop. This aircraft is returned to service for the above work accomplished.</p> <p> Terrill Shafer AP 522255710</p>

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

11 July, 2003 Mooney 20 F, N6456Q, S/N 670535 **Tach Time** 640.32 **ACTT** 3670.46

ENGINE IO-360-A1A S/N I-1248-51A **TSMOH** 640.32 **Total Engine Time** 3640.81

Removed engine and Prop, Removed damaged Right magneto and gear, removed rear accessories, rear accessory case, oil sump, oil pump and inspected for damage. Replaced both magneto gears and idler gears, (see WO #0453 for part numbers. Reinstalled oil pump, sump, rear accessory case and rear accessories using new gaskets and locking hardware. Installed Unison (Slick) magneto upgrade kit to replace existing Bendix magnetos, ignition harnesses, and spark plugs. Magnetos are models 4347 (sn 03040474) and 4370 (sn 03040912). Unison M4004 wiring harness and Unison UREM38E sparkplugs were installed. Reinstalled engine and Prop. Oil pressure gauge hose and both oil cooler hoses were replaced with hoses built by McAvian Aircraft supply Inc. Engine was serviced with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110, and sump screen cleaned. Fuel mixture and idle speed were adjusted. This engine is returned to service for the above work accomplished.


 Terrill Shafer AP522255710

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

8 Sep, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 674.23 ACTT 3704.37

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 674.32 Total Engine Time 3674.72

Inspect engine for oil leaks, none found, Drain and refill engine oil with 8 qts of Aeroshell 15 w 50 oil, oil filter replaced with Champion CH48110, and old filter cut open and inspected. This engine is returned to service for the above work accomplished.

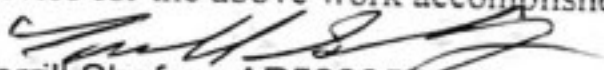

Terrill Shafer AP522255710

Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

9 Sep, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 674.40 ACTT 3704.54

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 674.40 Total Engine Time 3674.89

Remove and reseal #2 cylinder intake tube. Ground ran and leak checked within limits. This engine is returned to service for the above work accomplished.


Terrill Shafer AP522255710

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Aero Systems, Inc. 2580 South Main Street, Erie, Colorado 80516

15 Sep, 2003 Mooney 20 F, N6456Q, S/N 670535 Tach Time 677.90 ACTT 3708.04

ENGINE IO-360-A1A S/N I-1248-51A TSMOH 677.90 Total Engine Time 3678.39

Adjust idle mixture, remove and clean spark plugs (bottom plugs fouled). Replaced induction air filter P/N BA-6305. Ground test run performed, Ops check good.

This engine is returned to service for the above work accomplished.



Terrill Shafer AP522255710

D.

February 20, 2004

N6456Q

Tach: 9249.2 729.34?

Vector Air LLC
395 Airport Drive
Erie, CO 80516

air

Drained engine oil, removed oil filter. Inspected filter for contamination, none noted. Serviced engine with 8qts. Aeroshell 15W50 oil and new CH48108 oil filter. Wash down engine. Run-up/leak check satisfactory. Installed replacement fuel injector lines p/n LW12098-0-140 (2ea) and LW12098-0-210 (2ea). CW AD 02-26-01 by inspection of injection line clamps for correct installation. Due every 100hrs. ---END---

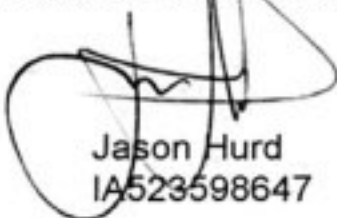
James Greeno
James Greeno
IA524178871

June 7, 2004
N6456Q
M20F S/N 670535
Tach: 729.34
TSMOH: 729.34
Eng TT: 3759.48



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appdx D and a checklist. C/W AD 02-26-01 by inspection of fuel injector lines for proper clamping and cracks, no cracks noted. Due every 100hrs. Compression test: #1 75/80 #2 75/80 #3 75/80 #4 77/80. Checked magneto to engine timing, was o.k. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Removed, cleaned and inspected fuel injection unit screen, re-installed. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.----END----



Jason Hurd
IA523598647

DATE 1905	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2-24	812.3			DRAINED OIL, REMOVED OIL FILTER. INSPECTED FILTER FOR CONTAMINATION, NONE NOTED. SERVICED ENGINE WITH AEROSHELL 15W50 AND NEW CH48108 OIL FILTER. RUN + LEAK CHECK OK David Morgan ATP 2782237

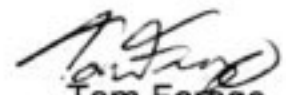
DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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April 12, 2005
N 6456Q
 S/N: 670535
 Tach: 814.7
 TSMOH: 814.7
 Eng TT: 3844.84



Erie Municipal Airport
 395 Airport Drive
 Erie, CO 80516

Replaced all 4 cylinders with new cylinders assemblies, P/N LYK 05K21120, using new seals and gaskets supplied with cylinders. Drained engine oil, removed filter and inspected for contamination, none noted. Serviced with 8qts. Aeroshell 80 straight mineral oil and new CH48110-1 oil filter. Run-up/Leak check satisfactory. ---END---


 Tom Farago
 AP522335612


DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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___ June 29, 2005
 ___ **N6456Q**
 ___ S/N: 670535
 ___ Tach: 824.66
 ___ TSMOH: 824.66
 ___ TSTOH: 9.96



Erie Municipal Airport
 395 Airport Drive
 Erie, CO 80516

___ Performed a 100hr inspection of **engine** for **annual** of **N6456Q** in accordance with FAR 43 appdx D and a checklist. C/W **AD2002-26-01** by inspection of fuel injection lines, due every 100 hours. Compression test: #1 78/80 #2 76/80 #3 77/80 #4 78/80. Drained engine oil, removed filter and inspected for contamination, none noted. Serviced with 8qts. Aeroshell 15W50 oil and new CH48110-1 oil filter. Checked magneto to engine timing, reset to 25 degrees per Lycoming service manual. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.----END----


 Terrill Shafer
 IA2860279

DA November 16, 2004

19. N6456Q

M20F S/N 670535

Tach: 794.59



Vector Air LLC
395 Airport Drive
Erie, CO 80516

ir

Drained engine oil, removed filter and inspected for contamination, none noted. Serviced with 8qts. Aeroshell 15w-50 and new CH48110-1 oil filter. Run-up/Leak check satisfactory. ----END----

James Phipps
AP 2816778

May 19, 2006

N6456Q

S/N:18201003

Tach:888.15



VectorAir
Aircraft Inspection & Repair

Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Drained engine oil. Removed and inspected oil filter, no contamination noted. Serviced with 8qts Aeroshell 15w-50 oil and new CH48110-1 oil filter. Run-up/leak check satisfactory. ----END----

James Phipps
AP 2816778

D/ July 14, 2006
N6456Q
1E S/N: 670535
Tach: 899.74
TSMOH: 899.74
TSTOH: 85.04



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appdx D and a checklist. C/W AD2002-26-01 by inspection of fuel injection lines, due every 100 hours. Compression test: #1 78/80 #2 76/80 #3 77/80 #4 78/80. Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.----END----

A handwritten signature in black ink, appearing to read 'Terrill Shafer'. The signature is fluid and cursive, with a large loop at the end.

Terrill Shafer
IA2860279

DATI

September 1, 2007 N6456Q S/N: 670535

Tach: 920.46
TSMOH: 920.46
TSTOH: 105.76



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appdx D and a checklist.
2. C/W AD 02-26-01 by inspection of fuel injection lines in accordance with SB 342E, due every 100 hours.
3. Compression test: #1 76/80 #2 74/80 #3 74/80 #4 74/80.
4. Drained engine oil, removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 100 oil and installed a new CH48110-1 oil filter.

Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

January 15 2009 N6456Q S/N: 670535

Tach: 939.40



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Removed Engine Lycoming IO-360A1A, S/N L-1248-51A from N6456Q Mooney M20F, S/N 670535 due to crack found in case halves. Engine sent to Aircraft Cylinders and Engines Inc. for repairs.

-----END-----

Terrill Shafer
IA2860279

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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DATE: 2-18-09

TACH: 939.40

MODEL: IO-360-A1A

SERIAL: L-1248-51A

N6456Q

This engine was Repaired this date in accordance with Lycoming Parts Manual PC-206, Overhaul Manual 60294-7 to facilitate crankcase replacement. Crankshaft inspected as required. Connecting Rods and Internal Steel inspected as required. New Crankcase purchased from CSI, see release form. Engine assembled with the following new parts; 2 each LW13884STD Main Bearings; 4 each 18D23135STD Main Bearings; 8 each 74309STD Rod Bearings; 8 each 75060 Rod Bolts; 8 each LW12186 Rod Nuts; 1 each STD-2213 Crank Gear Bolt; 4 each SL-STD-2180 Drain Hose. Serviced Engine with 8 quarts of Aeroshell 80W Oil and was tested in accordance with Lycoming Overhaul Manual 60294-7 and is approved for return to service. For details concerning this Repair, please refer to WO#3798 on file at this Repair / Overhaul Facility. Maintenance Release Tags supplied with this Logbook Entry. ----- END -----

J. F. Folchert

A&P 2689458

J. Folchert

FOR

Aircraft Cylinders & Engines, Inc.

625 Buss Avenue

Greeley, CO 80631

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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February 12 2009 N6456Q S/N: 670535
Tach: 939.40



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Re-installed Engine Lycoming IO-360A1A, S/N L-1248-51A on N6456Q Mooney M20F, S/N 670535 following repairs by Aircraft Cylinders and Engines Inc. Installed new J9613-12 Engine isolator mounts.

-----END-----


Jonathan Carlisle
AP3063926

DATE 19__	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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February 12 2009 N6456Q S/N: 670535

Tach: 939.40

TSMOH: 939.40

TSTOH: 105.76



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appdx D and a checklist.
2. C/W AD 08-14-07 by inspection of fuel injection lines in accordance with SB 342E, due every 100 hours.
3. Compression test: #1 75/80 #2 78/80 #3 78/80 #4 76/80.
4. Drained engine oil removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 100 oil and installed a new CH48110-1 oil filter.

Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

April 21 2010

N6456Q S/N: 670535

Lycoming IO-360-A1A, S/N L-1248-51A

Tach: 950.14 TSMOH: 950.14



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appdx D and a checklist.
2. CW AD 08-14-07 by inspection of fuel injection lines in accordance with SB 342E, due every 100 hours.
3. Compression test: #1 75/80 #2 78/80 #3 78/80 #4 76/80.
4. Drained engine oil removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 100 oil and installed a new CH48110-1 oil filter.
5. Removed cylinder #2 cylinder head drain back tube, re-flared end of tube, reinstalled.
6. Re-torque rocker cover hardware.
7. Replaced vacuum pump base gasket P/N 8313.

Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

A handwritten signature in black ink, appearing to read 'Terrill Shafer'.

Terrill Shafer
IA2860279

DA1

August 1 2011

N6456Q S/N: 670535

19-

Lycoming IO-360-A1A, S/N L-1248-51A

Tach: 952.63 TSMOH: 952.63



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appendix D and a checklist.
2. C/W AD 08-14-07 by inspection of fuel injection lines in accordance with SB 342E, due every 100 hours.
3. Compression test: #1 74/80 #2 76/80 #3 64/80 #4 74/80.
4. Drained engine oil removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 100 oil and installed a new CH48110-1 oil filter.

Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

Jason Hurd
IA2736030

DATE

March 1 2014

19— N6456Q S/N: 670535

Lycoming IO-360-A1A, S/N L-1248-51A

Tach: 953.01 TSMOH: 953.01



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of engine for annual of N6456Q in accordance with FAR 43 appendix D and a checklist.
2. Complied with AD2011-26-04 by inspection of fuel injection lines in accordance with Para (h)(i) and S.B. #342F. Due every 100hrs, or any time clamps or lines are removed.
3. Compression test: #1 76/80 #2 75/80 #3 77/80 #4 76/80.
4. Drained engine oil removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 15W50 oil and installed a new CH48110-1 oil filter.
5. Removed oil filler tube housing, replace gasket and reinstall.

Checked magneto to engine timing. Cleaned, gapped, tested and rotated spark plugs, re-installed with new gaskets. Visual inspection of overall engine installation, engine controls, mounts, fuel and oil lines was o.k. Wash down engine. Run-up/leak check o.k. A list of AD's may be found in aircraft records. I certify this engine has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition. -----END-----

 A handwritten signature in black ink, appearing to read 'Jonathan Carlisle', is written over the typed name and ID number.

Jonathan Carlisle
IA3063926

DATI

19

July 8 2022
N6456Q S/N: 670535
Lycoming IO-360-A1A, S/N L-1248-51A
Tach: 953.59 TSMOH: 953.59



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed compression test: #1 78/80 #2 76/80 #3 79/80 #4 76/80.
2. Drained engine oil removed and examined oil filter and no contamination found. Serviced with 8qts Aeroshell 15W50 oil and installed a new CH48110-1 oil filter.
3. Installed new induction air filter P/N BA6305. -----END-----

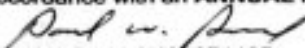
A handwritten signature in black ink, appearing to read 'Terrill Shafer'.

Terrill Shafer
AP2860279IA

9/24/22 N6456Q Mooney M20F S/N: 670535

TACH: 954.04

Performed **ANNUAL** inspection in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Inspected ELT in accordance with FAR 91.207(d). Battery due: AUG 2024. Inspected and lubed all control surfaces, cables, rod ends and pulleys. Inspected landing gear, wheels, tires and brakes. Performed five fault free landing gear cycles and tested the emergency extension system. Inspected interior and exterior lights. Inspected exhaust system by pressure check. Installed landing tube boots. Removed right fuel quantity gauge and sent to Tri County Instruments in Lafayette, CO for repair. See FAA Form 8130-3 dated 8/31/22. Reinstalled and op-checked. Removed mouse nests and droppings and sprayed ACF-50 over corroded areas. Tightened left brake master cylinder AN fitting. Replaced right fuel sender gasket. Complied with **AD 76-07-12** ignition switch op-check. Complied with **AD 73-21-01** Lube of flight control and gear. Complied with **AD 85-24-03** Inspection of fuel cap o-rings. Checked ADs through bi-weekly period. Checked ADs through bi-weekly period. I certify this aircraft has been inspected in accordance with an **ANNUAL** inspection and has been found in an airworthy condition on this date.

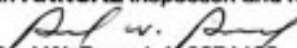

Paul W. Paasch IA3271465

9/24/22 N6456Q Mooney M20F
Lycoming IO-360-A1A

S/N: 670535
S/N: L-1248-51A

TACH: 954.04
TSMO: 954.04

Performed 100 HR inspection for **ANNUAL** in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Compression test results: 1) 78/80 2) 78/80 3) 79/80 4) 79/80. Master orifice: 45/80. Boroscoped cylinders. Inspected spark plugs. Inspected exhaust system by pressure check. Checked magneto timing. Test from aircraft and inspected carbon screen and filter for metal. Complied with **AD 15-19-11** Inspection of fuel injector lines. Checked ADs through bi-weekly period. I certify this engine has been inspected in accordance with an **ANNUAL** inspection and has been found to be in an airworthy condition on this date.

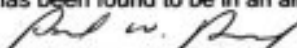

Paul W. Paasch IA3271465

9/24/22 N6456Q Mooney M20F
Propeller HC-C3YR-1RF

S/N: 670535
S/N: DY3954A

TACH: 954.04
TSPOH: 921.64

Performed 100 HR inspection for **ANNUAL** in accordance with the scope and detail of FAR 43 Appendix D and manufacturer's checklist. Inspected propeller assembly, hub, blades and nut. Checked propeller nut torque. Checked propeller through bi-weekly period. I certify this propeller has been inspected in accordance with an **ANNUAL** inspection and has been found to be in an airworthy condition on this date.


Paul W. Paasch IA3271465

HARTZELL

MOONEY N6456Q

Propeller Owner's Manual & Log Book

HARTZELL PROPPELLER INC.

One Propeller Drive
P.O. Box 15500, Des Moines, IA 50316, USA

Hartzell Propeller

Manual No. 115 N

PROPELLER MAINTENANCE RECORD

SINGLE LEFT ENGINE

Hub Model HC-C3YR-1RF

Blade Design _____

Diameter _____

Hub Ser. No. DY3954A

Blade Ser. Nos. _____

No. 1 J07370

No. 2 J07375

No. 3 J07371

No. 4 _____

PITCH RANGE

High _____ Low _____

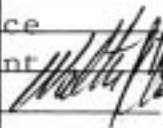
Feather _____ Reverse _____

Governor Model _____

Hartzell Propeller

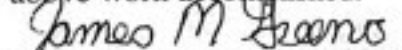
Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SERVICE BULLETINS, SERVICE LETTERS, & MINOR ADJUSTMENTS

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
4-4-98	032.4	Installed on aircraft	
		per required maintenance	
		manual, this propeller	
		returned to service for	
		the above accomplished	
		work. Propeller time since	
		new 00.0 Walter J. Clement	
		AI 220364845 AP	

26 October, 1998 Tach Time 64.99 Total Time 3095.13

I certify that I have inspected this propeller in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. This propeller is returned to service for the above work accomplished.


James Greeno AP 524178871

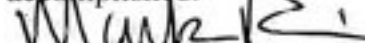
Aero Systems, Inc.

2580 South Main Street, Erie, Colorado 80516

Mooney 20 F, N6456Q, S/N670535

1 December, 1999 Tach Time 167.01 Total Time 3197.15

I certify that I have inspected this propeller in accordance with the requirements of an 100 HR inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. This propeller is returned to service for the above work accomplished.


Mark Price AP 465513678

Hartzell Propeller
Manual No. 115 N

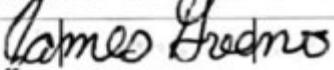
**DESCRIPTION OF ALL OPERATIONS
PERTAINING TO AIRWORTHINESS DIRECTIVES,
SERVICE BULLETINS, SERVICE LETTERS,
& MINOR ADJUSTMENTS**

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
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Aero Systems, Inc.
2580 South Main Street, Erie, Colorado 80516
Mooney 20 F, N6456Q, S/N670535

31 January, 2001 Tach Time 274.36 Total Time 3304.5

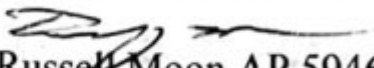
I certify that I have inspected this propeller in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. This propeller is returned to service for the above work accomplished.


James Greeno AP 524178871

Aero Systems, Inc.
2580 South Main Street, Erie, Colorado 80516
Mooney 20 F, N6456Q, S/N670535

1 February, 2002 Tach Time 411.71 ACTT 3441.85

I certify that I have inspected this propeller in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. This propeller is returned to service for the above work accomplished.


Russell Moon AP 594685612

Hartzell Propeller

Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SERVICE BULLETINS, SERVICE LETTERS, & MINOR ADJUSTMENTS

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
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Aero Systems, Inc.

2580 South Main Street, Erie, Colorado 80516

5 March, 2003 Mooney 20 F, N6456Q, S/N 670535

Tach Time 612.87 ACTT 3643.01

I certify that I have inspected this propeller in accordance with the requirements of an **100 HR** inspection check list outlined in FAR Part 43, Appendix D and have determined it to be in an airworthy condition on this date. This propeller is returned to service for the above work accomplished.


Terrill Shafer AP522255740

June 7, 2004

N6456Q

M20F S/N 670535

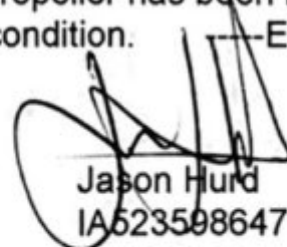
Tach: 729.34

Prop TT: 696.94



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of propeller for annual of **N6456Q** in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected iaw a 100hr inspection and determined to be in airworthy condition. ---END----


Jason Hurd
IA523598647

Hartzell Propeller

Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SERVICE BULLETINS, SERVICE LETTERS, & MINOR ADJUSTMENTS

June 29, 2005

N6456Q

S/N: 670535

Tach: 824.66

Prop TSN *792.26* (B)



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of propeller for annual of **N6456Q** in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected iaw a 100hr inspection and determined to be in airworthy condition.---END---


Terrill Shafer
IA2860279

July 14, 2006

N6456Q

S/N: 670535

Tach: 899 74

Prop TSN: *867.34* (B)



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of propeller for annual of **N6456Q** in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected iaw a 100hr inspection and determined to be in airworthy condition.---END---


Terrill Shafer
IA2860279

September 1, 2007 N6456Q S/N: 670535
Tach: 920.46 Prop TSN: 888.06



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of propeller for annual of N6456Q in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected iaw a 100hr inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

February 12 2009 N6456Q S/N: 670535
Tach: 939.40 Prop TSN: 907.0



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

1. Performed a 100hr inspection of propeller for annual of N6456Q in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

April 21 2010
N6456Q S/N 670535
Hartzell HC-C3YR-1RF S/N DY3954A.
Tach: 950.14 Prop TSN: 917.74



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Performed a 100hr inspection of propeller for annual of N6456Q in accordance with FAR 43 appdx D and a checklist. Visual inspection blades, hub and spinner o.k. A list of AD's may be found in aircraft records. I certify this propeller has been inspected in accordance with a 100hr inspection and determined to be in airworthy condition.

-----END-----

Terrill Shafer
IA2860279

Hartzell Propeller

