In accordance with an FAA approved (auto-) Control System, using FAA approved Engineering design data and the applicable requirements of FAA part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS
MSB-4	CSB96-5	OIL PUMP DRIVE GEARS P/N 640676 & 640661
N/A		OIL FILTER CHANGE
MSB-4		VISUAL INSPECTION
MSB-10		CRANKSHAFT REPLACED
MSB-5		REPLACED GEARS
MSB97-2		N/A SEALED ROLLER NOT APPLICABLE
MSB94-1		REPEATED INSPECTION AS APPLICABLE
N/A		N/A
MSB95-1A		N/A SEALED ROLLER
MSB95-1		SEALED VALVE GUIDE SEAL P/N 646675 INSP.

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

TELEDYNE CONTINENTAL MOTORS
INSPECTION CERTIFICATE NO. 508

Chris L Elliott

S

DATE	R.P.M.		TIME O GROUN	
	Ground	Air	Hrs.	Min.
BROUGHT FORWARD				
TOTALS				

Installed reman engine TSIO-360-MB4B SN 279275-R IAW STC SA3106SO. ops Check, leak ck and flight ck good. IAW continental Service and install manual.

MOD WORKS INC.

8250 SKYLANE WAY
PUNTA GORDA, FL 33982

941-637-6770
941-637-9628 (FAX)

Don Massolio
AP595096866

9/25/96 N5659L Hobbs 1608.7

CW 100 hr insp IAW Mooney and Cont. service man. All Comp above 70, Installed overhauled prop and gov. by Palm Beach Prop., Installed new vacume pump and cooling kit, set up engine. Runup, leak check and flight ck good.

MOD WORKS INC.

8250 SKYLANE WAY
PUNTA GORDA, FL 33982

941-637-6770
941-637-9628 (FAX)

Don Massolio
A&P 595096866

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											10/2/96 N5629L Hobbs 1608.7 Replaced Hobbs at 1608.7 with new hobbs at time 0000.0. Ops check good MOD WORKS INC. 8250 SKYLANE WAY PUNTA GORDA, FL 33982 941-637-6770 941-637-9628 (FAX)	Don Massolio AP595096866	

BROUGHT FORWARD

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

West Star Aviation
WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500
FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: CONTINENTAL MODEL: TSIO-360-MB4B
S/N: 279275-R WO#1: 40420 DATE: 12-03-96
TACH: 33.8 TTAF: 1642.5 TTE: 33.8
COMPONENT: ENGINE

Changed oil and filter. Serviced with 8 quarts Aeroshell mineral oil. Installed J.P.I. oil temperature probe. Replaced #6 exhaust valve cover. Ran up and leak checked OK.
Signature: Robert J. Werner A&P 5245407 59
West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

West Star Aviation

WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: CONTINENTAL MODEL: TSIO-360-MB4B
S/N: 279275-R WO#1: 40497 DATE: 01-17-97
TACH: 52.5 TTAF: 1661.2 TTE: 52.5
COMPONENT: ENGINE

Changed oil and filter. Serviced with 8 quarts Aeroshell 15W50 oil and Champion CH48108 filter. Ran up and leak checked OK.

Signature: Kim Arnett 568199613 A&P
West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

West Star Aviation

WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: CONTINENTAL MODEL: TSIO-360-MB4B
S/N: 279275-R WO#1: 40651 DATE: 04-30-97
HOBBS: 105.5 TTAF: 1714.2 TTE: 105.5
COMPONENT: ENGINE

Changed oil and filter. Serviced with 8 quarts Aeroshell 15W50 oil and Ch48108 filter. Ran up and leak checked OK.

Signature: A/P 521945943

West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

West Star Aviation
WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500
FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: CONTINENTAL MODEL: TSIO-360-MB4B
S/N: 279275-R WO#1: 40761 DATE: 08-12-97
TACH: 156.6 TTAF: 1765.3 TTE: 156.6
COMPONENT: ENGINE

Changed oil and filter. Serviced with 8 quarts Aeroshell 15W50 oil and CH48108 filter. Cut oper old filter, OK. Ran up and leak checked OK.
Signature: Ronald E. Moore
West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

DATE	R.P.M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER

West Star Aviation
WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500
FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: CONTINENTAL MODEL: TSIO-360-MB4B
S/N: 279275-R WO#1: 40779 DATE: 09-02-97
TACH: 156.8 TTAF: 1765.5 TT: 156.8
COMPONENT: ENGINE

Completed annual. Took compression check: 1-75 2-73 3-75 4-74 5-75 6-75. Removed, cleaned, gapped, tested, rotated and reinstalled spark plugs. Washed down engine. ran up and leak checked OK. I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition for return to service. Pertinent details of the repair are on file at this repair station under work order 40779 dated 09-02-97. A copy of this work order has been given to the operator.

Signature: Dale M Berg

West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

BROUGHT FORWARD							
TOTALS							

DAT

West Star Aviation

WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

N#: 5659L MFG: MOONEY MODEL: M20K
S/N: 25-0762 WO#1: 41002 DATE: 03-24-98
TACH: 215.4 TTAF: 1824.1 TTE: 1824.1 TSMOH: 215.4
COMPONENT: ENGINE

LICENSE NUMBER

Changed oil and filter. Serviced with 8 quarts Aeroshell 15W50 oil. Installed new CH 48108 filter. Cut open old filter, no contaminates. Ran up and leak checked good.

Signature: [signature] IA# 524.06.5346.

West Star Aviation, Inc.
Grand Junction, CO
CRS No. WTXR173J

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

West Star Aviation

WALKER FIELD
GRAND JUNCTION, CO 81506
(970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

CONTINENTAL TSIO-360-MB4B WO # 52999
SN: 279275-R DATE: 09-03-98
TSN: 248.3

POSITION # SINGLE
MOONEY M20K
N 5659L
HOBBS: 248.3
TTAF: 1857.0

ENGINE ENTRY PG. 1

Completed annual inspection. Changed oil and filter. Serviced with 8 quarts Aeroshell oil. Installed new CH48108 filter. Cut open old filter, normal indications. Performed compression check: 1-60 2-73 3-73 4-72 5-70 6-74. Removed, cleaned, gapped, tested, rotated and reinstalled spark plugs. Removed fuel nozzles, cleaned, flow checked and reinstalled. Ran up and leak checked OK. I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition for return to service. Pertinent details are on file at this repair station under work order number 52999, dated 09-03-98. A copy of this work order has been given to the operator.

Signature _____

WEST STAR AVIATION, INC.
Grand Junction, CO 81506
CRS No. WTXR173J

BROUGHT FORWARD													
TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

N5659L
MOONEY
S/N:
TTAF:
HOBBS: 291.0

WEST STAR

AIRFRAME ENTRY PG. 1

WO #: 54742

DATE: 2/18/99

Changed oil and filter. Aeroshell 15/50. Ground ran, leak checked OK.

The engine and/or component identified above was repaired and inspected in accordance with current Federal Regulations and is approved for return to service. Pertinent details of the repair are on file at this repair station under work order 54742, dated 2/18/99. A copy of this work order has been given to the operator.

Signature Darrell D. Clark

WEST STAR AVIATION, INC.
796 Heritage Way
Grand Junction, CO 81506 (970) 243-7500

FAA CERTIFIED REPAIR STATION
WTXR173J

DATE

Timberline AVIATION
GRAND JUNCTION COLORADO

N#: N5059L
S/N: 279275-R
WO#1: 21334
HOBBS: 333.7
TTE: 333.7
CSN:
Component: **ENGINE**

WO#2:
TACH:
TTP:
CSMOH:

Date: 9/29/99
WO#3:
TTAF: 1942.4
TSMOH:
Landings:

SIGNATURE	LICENSE NUMBER

Performed annual inspection per Mooney M20K and TCM maintenance manual. Drained oil cut open and inspected oil filter. No metal found. Installed new oil filter p/n CH48108. Serviced engine with 9qts of Aeroshell 15W50. Compression check as follows: #1 76/80, #2 72/80, #3 71/80, #4 79/80, #5 72/80, #6 75/80. Removed, cleaned, gapped,and rotated spark plugs. Installed one new spark plug p/n RHM38E. Installed new induction air filter p/n 600417-501 per AD 84-26-02. Installed new vacuum regulator filter p/n B3-5-1. C/W TCM SB 98-8 by installing intake tubes p/n 655224-1and 655224-2 on #3 cylinder and p/n 655230-2 and 655230- 1 on #1 cylinder with kit p/n EQ6977. Ground ran and leak check ok.

The aircraft, airframe, engine, propeller, or appliance identified on the work order was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file at this repair station under work order 21334 dated 9/29/99.

Next Pg. →

BROUGHT FORWARD

TOTALS

ENGINE LOG

Signature Steve Danner
Timberline Aviation LLC
2780 Landing View Lane
Grand Junction, Colorado
(800) 237-1810
CRS No. L5JR233H

	SIGNATURE	LICENSE NUMBER

ENGINE LOG

~~DATE~~ 2000	~~R.P.M.~~ HOBBS Ground	Air	~~TIME ON GROUND~~ Hrs.	Min.	Total	TIME IN AIR Hrs.	Min.	Total	TOTAL TIME Hrs.	Min.	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
8-28-00	40	7.7	TSFR		407.7	TT AIRFRAME			2016	.4			
											DRAINED OIL - CHANGED FILTER WITH CH #8108 - SERVICED WITH 8qts AEROSHELL		
											15/50. COMP TEST #1 ~~74~~/80 #2 ~~72~~/80 #3 ~~68~~/80 #4 ~~74~~/80 #5 ~~68~~/80 #6 ~~68~~/80.		
											CLEANED GAPED + ROTATED SPARK PLUGS.		
											AD 84-26-02 INDUCTION AIR FILTER C/W PN 60417-901 (ETO 4011)		
											EMERG AD 2000-11-51 N/A BY SER#. 100 HOUR INSP. C/W. I/A/W CONT. SERVICE MANUAL.		
											I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W CONTENTAL INSPECTION GUILD		
											AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
											John B Stallman	566583531	
BROUGHT FORWARD													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											Date 08-29-00 Tack Time 407.7 Total Time 407.7 SIGNED REMANUFACTURED		
											I have of this date inspected this CONT. T.S.I.O-360-MB4B ENGINE		
											~~in accordance with FAR 43 Appendix D & FAR 21 & 23~~		
											in accordance with ANNUAL inspection and		
											have now of this date returned it to service		
											ENGINE RUN PER FAR 43.15(c) ITEMS I THRU L		
											Signature Paul M. Lindsay		
											License number IA 1428783		

R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
nd	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

N5659L Date: 9-7-2001 Hobbs: 490.2 TSO: 490.2 TTE: 490.2
Performed annual inspection per Mooney Service Manual and FAR 43 Appendix D. Drained oil inspect/replaced oil filter CH48108 and serviced with Aeroshell 15W50, Cleaned gapped and rotated sparkplugs, Installed magnetos after 500 hr inspection by CRS R04R476Y AD 96-12-07 C/W at this time, Replaced sparkplug leads to #6 bottom and # 5 top, Compression: 1-72; 2-70; 3-71; 4-72; 5-69; 6-72. Re-torqued rocker covers. C/W AD 2000-23-21 n/a by o/h date. I Certify this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition at this time and is approved for return to service. Dana Brewer 307646159 A

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
4/4/02	TACH		537.6			DRAINED OIL, INSPECT/REPLACED FILTER CH48108 SERVICED WITH AEROSHELL 15W50					Dana Brewer 50764615 9 IA		

N5659L Date: 10-4-2002 Hobbs: 573.6 TSO: 573.6 TTE: 573.6
Performed annual inspection per Mooney Service Manual and FAR 43 Appendix D.
Cleaned gapped and rotated sparkplugs, Compression: 1-74; 2-72; 3-74; 4-68; 5-76; 6-70,
Reset magneto timing, Re-torqued rocker covers, Drained oil inspected/replaced filter
CH48108 and service with Aeroshell 15W50, I certify this engine has been inspected
IAW an annual inspection and is approved for return to service.
Dana Brewer 50764615 9 IA

TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											N5659L Date: 9-16-2003 Hobbs: 640.7 TTE: 640.7 Performed annual inspection per Mooney Service Manual and FAR 43 Appendix D. Cleaned, gapped and rotated sparkplugs, Compression /80: 1-70; 2-65; 3-73; 4-72; 5-74; 6-76, Cleaned fuel metering screen, C/W AD's thru 2003-18, I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time and is approved for return to service. Dana Brewer 507646159 IA		

TIME ON | TIME IN

DAT

MAKE TCM MODEL T.S10-360-MB SERIAL No./N No. 279275-R

TOTAL TIME		TACH READING		DATE	9 FEB 04

ENGINE DISASSEMBLED, CLEANED, INSPECTED AND REPAIRED AS NECESSARY. C/W AD# 98-19-02 (SUPERIOR PISTON PINS) ENGINE TEST CELL RUN OK THIS DATE. THIS ENGINE IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED AND IS APPROVED FOR RETURN TO SERVICE

PLEASE ENTER TOTAL ENGINE TIME 650.00

TELEDYNE MATTITUCK SERVICES, INC.
FAA Repair Station T10R507Y
W.O. No. 30894

Authorized Signature

DATE | Gro | LICENSE NUMBER

Beegles
Aircraft Service, Inc.
Quality Service Since 1946

GREELEY, CO
REPAIR STATION BX4R092M
(970) 353-9200

05-07-04 Tach 650.00 Hobbs 2260.1 N5659L sn 25-0762

Reinstalled Continental TSIO-360-MB sn 279275-R after repairs from Mattituck WO# 30894. Routed all lines, hoses, wiring, and control cables. Rigged, torqued, and saftied as required. Reinstalled following accessories: Airborne vacuum pump pn 242CW-4 sn 64311, alternator pn 649242 sn D-229601, propeller governor pn C290D3K/T20 sn 821205, turbo charger pn 649151-1 sn 2FN26630, inner cooler pn 1025571 sn B96-2281-6. Installed tail pipe pn 649004 sn AWI-69657 after repairs from Aerospace Welding WO# 69687. Replaced CHT probe pn 5050. Serviced engine with Aeroshell 100 mineral oil. Pre-oiled, test run, and checked for leaks. All systems, temperatures, RPM's, and pressures normal.

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TOTALS

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											This aircraft was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. **LIMITED TO THE WORK PERFORMED** **Pertinent details on file at Beegles Aircraft Service, Inc., Greeley, CO.** **Work Order # 9850 CRS BX4R092M** **Signed** Steve Crawford		
TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

N5659L DATE: 10/1/04 TACH: 692.4 TSO: 42.4 TTE: 692.4

Performed an annual inspection on this engine in accordance with Mooney Service Manual and FAR 43, Appendix D. Performed compression check @ 80 PSI: #1-79; #2-78; #3-79; #4-79; #5-78; #6-78. Cleaned, gapped and rotated sparkplugs. Drained oil, cut open old filter, no contaminants noted. Installed new filter, P/N CH48108, and serviced engine with eight quarts Aeroshell 15W50. Replaced all exhaust gaskets, P/N 630365 and tightened alternator belt. Ran engine and leak-checked, ops check good. All A.D.s on this engine have previously been complied with. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return to service. Dana Brewer 507646157

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											N5659L Date: 10/15/2005 Tach: 746.7 TTE: 746.7 TSO: ~~96.7~~ 746.7 Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, and Mooney Service Manual. Performed compression test @80 PSI: #1-75; #2-78; #3-70; #4-78; #5-70; #6-60. Cleaned, gapped and rotated spark plugs, Airworthiness Directives current thru 2005-16. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. Dana Brewer 507646159 IA		
BROUGHT FORWARD													
TOTALS													

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

N5659L Date: 9/15/2006 Tach: 818.8 TTE: 818.8 TSO: ~~168.8~~ 818.8

Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, and Mooney Service Manual. Performed compression test @80 PSI: #1-73; #2-68; #3-75; #4-62; #5-76; #6-70. Drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48108-1 and serviced engine with Aeroshell 15W50. Removed Magneto's for inspection, inspected, gapped points, reinstalled and timed to engine, ops check good. Resealed #2 fuel nozzles, cleaned, gapped and rotated spark plugs, Replaced rocker cover gaskets at #2, #4 #5 & #6. Airworthiness Directives current thru 2006-18. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service.

Dana Brewer 5076461591A

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			

861.5 DB

N5659L Date: 1/11/2008 Tach: 861.5 TTE: 861.5 TSO: ~~211.5~~

Performed an annual inspection on this engine in accordance with FAR 43, Appendix D, replaced spark plugs P/N RHM38E, removed engine and sent out for repair and reinstalled, replaced filter P/N CH48108-1 and serviced engine with Aeroshell 80ND, performed run-up and leak test good. Airworthiness Directives current thru 2007-26. I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service.

Dana Brewer 507646159 IA

N5659L Date: 03/12/09 Tach: 893.7

Repaired #4 and #6 intakes and re-torqued upper deck lines, adjusted turbocharger bypass valve. [illegible] 522376358 IA

BROUGHT

TOTALS

DATE

Grou

LICENSE NUMBER

N5659L Date: 08/01/09 Tach: 902.9 TTE: 902.9 TSO: 902.9
Performed an annual inspection on this engine in accordance with FAR 43, Appendix D. Performed compression test @80 PSI: #1-72; #2-72; #3-74; #4-72; #5-70; #6-72. Cleaned, gapped and rotated spark plugs. Drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48108-1 and serviced engine with Aeroshell 15W50, Airworthiness Directives current thru 2009-14, I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. Dana Brewer 507646159IA

N5659L Date: 08/11/10 Tach: 940.3 TTE: 940.3 TSO: 940.3
Performed an annual inspection on this engine in accordance with FAR 43, Appendix D. Performed compression test @80 PSI: #1-76; #2-76; #3-76; #4-76; #5-76; #6-76. Cleaned, gapped and rotated spark plugs. Re-torqued all rocker box cover screws, re-torqued mixture control rod end attach hardware, stop drilled baffle attach at #6 cylinder, Complied with A.D. 10-11-04 Hydraulic Valve Lifters, N/A by O/H date, I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. MHF 522376358IA

BROUG

N5659L Date: 09/16/11 Tach: 965.1 TTE: 965.1 TSO: 965.1

Performed an annual inspection on this engine in accordance with FAR 43, Appendix D. Performed compression test @80 PSI: #1-72; #2-74; #3-76; #4-74; #5-68; #6-74. Cleaned, gapped and rotated spark plugs, drain oil, cut open old filter, no contaminants found, installed new filter P/N CH48108-1 and serviced engine with Aeroshell 15W50, removed right magneto, inspected, replaced gasket, reinstalled and timed to engine, Complied with A.D. 11-13-03 Machining Debris in Turbocharger Cavities, N/A by vendor, I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. HH# 522376358JA

N5659L Date: 06/27/12 Tach: 990.2 TTE: 990.2 TSO: 990.2

Performed an annual inspection on this engine in accordance with FAR 43, Appendix D. Performed compression test @80 PSI: #1-72; #2-70; #3-74; #4-76; #5-70; #6-78. Cleaned, gapped and rotated spark plugs, repositioned oil stick guide, adjusted idle speed, drained oil, cut open old filter, no contaminants found, installed new filter P/N CH48108-1 and serviced engine with Aeroshell 15W50. Complied with A.D. 11-26-07 Magneto Impulse Coupling Stop Pin, N/A by installation, A.D. 12-03-06 AFS Fuel Servo Diaphragm, N/A by vendor, I certify this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition at this time and is approved for return service. HH# 522376358JD

LICENSE NUMBER

Performed a 100 Hour/Annual inspection on this engine in accordance with FAR 43, Appendix D. Performed compression test @ 80 PSI: #1 - 68; #2 - 74; #3 - 70; #4 - 74; #5 - 70; #6 - 70, cleaned, gapped and rotated spark plugs. Removed and replaced mixture control rodend, P/N S1104-3 & re-rigged. Complied with A.D. 12-24-09, turbine wheel head & shaft weld joint N/A by vendor. Airworthiness Directives current thru 2013-10. I certify this engine has been inspected in accordance with a 100-hour/Annual inspection and the scope and detail of FAR 43, Appendix D and was found to be in an airworthy condition at this time and is approved for return to service.

Dana Brewer

Dana Brewer, Monument Aircraft Service
1048 R Road, Mack CO 81525
(970) 858-2041

A & P # 2801782IA

URE	LICENSE NUMBER

DATE | G

Grand Junction, Co.

Date: 10/01/2014 **N5659L** Mooney M20K **S/N:** 25-0762 **Tach:** 1035.6 **TTAF:** 2644.3

Engine: TCM TSIO-360 MB (4B) **S/N:** 270275-R **TSO:** 1035.6

Propeller: McCauley 2A34C216-B **S/N:** 020815 **TSO:** N/A **TTP:** 385.6

Performed an ANNUAL inspection of this Engine per Mooney M20K Maintenance Manual and in accordance with FAR 43 Appendix D. Performed compression test, all readings over 80: #1) 72, #2) 72. #3) 70, #4) 72, #5) 72 and #6) 68 . Drained oil and removed oil filter. Cut filter and inspected for metal, none found. Serviced engine with 7quarts of Aero shell 15W-50 and installed new CH48108-1 filter. Checked magneto to engine timing, removed spark plugs, cleaned inspected and rotated. Repaired Digital Tachometer wiring, rerouted and secured Removed excess material from landing/taxi light mount at lower cowling and wrapped truss in chafe protection. Ground run/ops check of aircraft good, no leaks found. Checked Airworthiness Directives through 2014-18.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Tyler L. McClymond AP3106237IA

Tyler L. McClymond

LICENSE

Grand Junction, Co.

Date: 10/01/2014 **N5659L** Mooney M20K **S/N:** 25-0762 **Tach:** 1035.6 **TTAF:** 2644.3

Engine: TCM TSIO-360-MB (4B) **S/N:** 279275-R **TSO:** 1035.6

Propeller: McCauley 2A34C216-B **S/N:** 020815 **TSO:** N/A **TTP:** 385.6

Performed an ANNUAL inspection of this Engine per Mooney M20K Maintenance Manual and in accordance with FAR 43 Appendix D. Performed compression test, all readings over 80: #1) 72, #2) 72, #3) 70, #4) 72, #5) 72 and #6) 68 . Drained oil and removed oil filter. Cut filter and inspected for metal, none found. Serviced engine with 7quarts of Aero shell 15W-50 and installed new CH48108-1 filter. Checked magneto to engine timing, removed spark plugs, cleaned inspected and rotated. Repaired Digital Tachometer wiring, rerouted and secured. Removed excess material from landing/taxi light mount at lower cowling and wrapped truss in chafe protection. Ground run/ops check of aircraft good, no leaks found. Checked Airworthiness Directives through 2014-18.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Tyler L. McClymond AP3106237IA

| DATE | G | | |

McClymond Aviation, LLC
Grand Junction, Co.

Date: 04/23/2016 N5659L Mooney M20K **S/N:** 25-0762 **Tach:** 1046.1 **TTAF:** 2654.8
Engine: TCM TSIO-360-MB (4B) **S/N:** 279275-R **TSO:** 1046.1
Propeller: McCauley 2A34C216-B **S/N:** 020815 **TSO:** N/A **TTP:** 396.1

Performed an ANNUAL inspection of this Engine per Mooney M20K Maintenance Manual, Continental Motors Service Manual & in accordance with FAR 43 Appendix D. Performed compression test, all readings over 80: #1) 72, #2) 74, #3) 70, #4) 74, #5) 72 and #6) 74. Drained oil and removed oil filter. Cut filter and inspected for metal, none found. Serviced engine with 8qts of Aero shell 15W-50 and installed new CH48108-1 filter. Removed spark plugs; cleaned inspected, rotated & torqued. Installed L/H magneto P/N: 10-500556-103, S/N: E159610D & R/H magneto P/N: 10-500556-103, S/N: F149604D after Overhaul by **Aircraft Magneto Service,** set magneto to engine timing. Adjusted engine idle RPM, idle mixture, adjusted high power manifold pressure setting & checked high rpm indication. Applied chafe protection to engine truss. Ground run/ops check of aircraft good, no leaks found. Checked Airworthiness Directives through 2016-08.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. W.O. # 2016-76

Tyler L. McClymond AP3106237IA Tyler L. McClymond

'URE | LICENSE NUMBER

Gilmer Aviation LLC

1/16/2018
N5659L
H.M. 1181.4
Changed oil Aeroshell 15W50. Installed new oil filter AA48108.
Ground run and leak checked normal.
Rickey Gilmer A&P 1955732
Rickey Gilmer

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
											Gilmer Aviation LLC 7/9/2016 N5659L H.M. 1086.1 Changed oil Aeroshell 15W50. Installed new oil filter. Inspected good. Serviced with Aeroshell 15W50. Ground run and leak checked normal. Rickey Gilmer A&P 1955732		

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min	Total	Hrs	Min	Total	Hrs	Min			

DATE	R.P.M.		TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air						
BROUGHT FORWARD								
TOTALS								

Gilmer Aviation LLC

4/20/2018

N5659l

H.M. 1184.2

Annual inspection completed this date as per FAR43 appendix D. Checked timing. Changed oil Phillips 20w50 mineral oil. Changed oil filter. Installed six new TCM cylinders part no. 658601A2BP s/n 16LA564, 427, 637, 569, 584, 612. Installed new piston pins. Installed new hoses and new exhaust gaskets. Engine ground run and leak checked normal. Cleaned plugs. Cleaned leads. Torque cylinders from both sides of through studs. I certify this aircraft engine has been inspected for a 100 hour annual inspection and was determined to be in an airworthy condition this date.

Rickey Gilmer A&P 1955732 I.A.

Rickey Gilmer

DATE		DJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Gilmer Aviation LLC 6/16/2018 N5659L Hobbs 1197.4 Installed new vacuum pump 242CW-10 s/n 172300. Installed new instrument air filters. Cut oil filter and inspected normal. Ground run and leak checked normal. Rickey Gilmer A&P 1955732 			

DATE	TIME ON GROUND					TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
8/31/19			1239.0										
			Change oil & filter Aeroshell 100W & compound										
			Filter AA48108										

Gilmer Aviation LLC

2/9/2019

N5659L

H.M. 1262.4

Changed oil Aeroshell 100W. Installed new oil filter AA48108.

Ground run and leak checked normal.

Rickey Gilmer A&P 1955732

Rickey Gilmer

TOTALS								

DATE		DJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Gilmer Aviation LLC 5/30/2019 N5659l H.M. 1278.0 Annual inspection completed this date as per FAR43 appendix D. Checked timing. l. Changed oil filter. Compression #1 50/80 #2 76/80 #3 62/80 #3 62/80 #4 62/80 #5 68/80 #6 60/80. Installed new valve cover gaskets. Engine ground run and leak checked normal. Cleaned plugs. Cleaned leads. Torque cylinders from both sides of through studs. I certify this aircraft engine has been inspected for a 100 hour annual inspection and was determined to be in an airworthy condition this date. Rickey Gilmer A&P 1955732 I.A. Rickey Gilmer			
BROUGHT FORWARD				