

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
		FLIGHT	TIME IN SERVICE	
KNK AVIATION				DATE: 06/22/2023
210 KESTREL DRIVE				REGISTRATION NUMBER: N86UM
SPRING BRANCH TEXAS 78070				Tach time: 5479.49
				Total time: 5478.49
Accomplished 100hr inspection IAW Mooney M20E service manual. Opened inspection panels, inspected, and lubed flight controls and surfaces. Inspected and lubed landing gear, wheels and lubed as required. Replaced windshield with SG windshield GLA2161. Replaced master switch with serviceable part. Replace gear warning horn, replaced pushed to talk switch in pilot side yoke. Shimmed both left and right aileron rods. Tested ELT per FAR 91.207(d). All AD's update. Test ran, ops and leak check good. I certify that this aircraft and all components are airworthy and okay for continued service.				
Keith Kehoe IA, A&P				

YEAR	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
		FLIGHT	TIME IN SERVICE	
2				Work Order: C4512
D				Registration #: N86UM
				Model: M20E
				Serial Number: 1137
				Hobbs/TT: 5447.77
ACS Avionics LLC 510 S. Hangar Drive Georgetown, TX 78628				
1. Altimeter Certification I certify that the altimeter system and altitude reporting equipment has been tested as required by 14 CFR PART 91.411 and was found to comply with PART 43 Appendix E.				
Tested	EFD1000		P/N: EFD1000	Tested to 20k Feet
Tested	Altimeter		P/N: 5934PA-1	Tested to 20k Feet
2. Transponder Certification I certify that the ATC Transponder(s) has been tested as required by 14 CFR PART 91.413 and was found to comply with PART 43 Appendix F.				
Tested	GTX 330 Transponder		P/N: GTX 330	Mode S
Maintenance Release: The aircraft or appliance(s) described above was tested and inspected in accordance with current Federal Aviation Regulations, found to be airworthy and approved for return to service with respect to work accomplished. A detailed record of this maintenance is maintained referencing Work Order: C4512.				
Inspector's Signature				Date: November 23, 2021

RECO
TACH
TIME

B&G Aviation LLC

Georgetown Texas 78628 ph [REDACTED]
N86UM

SN# 1137

Date 11-18-2021

1. Lubed hinge & pivot points

2. Checked tensions & travels

3. Serviced brakes battery & tires

4. Lubed wheel bearings

5. Swung landing gear

6. Installed new ELT battery P/N 452-0130 & CW FAR 91.207d battery due 12-2024

7. Installed new air filter P/N BA6205

8. Installed new vacuum regulator filter P/N ARB3-5-1

9. Installed O.H. vacuum pump P/N 215CC S/N 196373 & serviceable fitting P/N RAIK1-6-10

10. C/W AD 76-07-12R1 bendix ign switch (Ops Ck) next due ACTT 5547.56

11. Removed & reinstalled exhaust tail pipe after repair

12. CAP checked main battery to 99%

13. All routine maintenance C/W

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection
In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.

[REDACTED]

ACTT: 5447.56

HRM:

Tach: 5447.56

Technician or

Don Maxwell Aviation Services, Inc.

390 Central Road
Longview, Tx 75603

DATE: 10/5/2020
A/C TSN: 5413
TACH: 5413

MAKE: Mooney
MODEL: M20E
S/N: 1137
REG NO: N86UM
WORK ORDER
3285-09-2020

YEAR
20
DATE

Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings.... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with tri-flow. Service central vacuum & garter filter. Inspect aft trim system.... (5) AD 73-21-01 Part (A) by lubrication of all flight control systems and landing gear system rod end bearings with silicone spray lubricant Part (C) Landing gear retract test & rigging.... (6) AD75-09-08 Engine Mount complied with by inspection.... (7) C/W AD 76-07-12 by operations check IAW par. a,b,c,d. (8) AD77-17-04 Control Wheel Shaft c/w by inspection.... (9) AD 85-24-03 C/W by Replacement of both inner & outer O-rings on both fuel caps.... (12) AD2012-05-09 Empennage Trim Fitting & Mounting Hardware Inspection complied with IAW Mooney SB M20-314A. No discrepancy found.... (13) FAR 91.411 & 91.413 next due 8-31-2021.... (14) Check ELT battery date AUG 2021 and check operation per FAR91.207D.... (15) Replaced LH main wheel otbd race and bearing with new.... (16) Repaired glareshield with heat gun.... (17) Rewired compass lighting to factory panel light rheostat.... (19) Repositioned tailpipe.... (21) Repaired LH wing tip light Assy.... (23) Reattached aft air door seal.... (25) Installed missing cotter pin in top fuselage cabin air inlet door clevis pin.... (26) Adjusted RH nose gear door rodends.... (27) Wind screen has stop drill and multiple cracks.... (28) Replaced landing light ground strap in engine bay.... (29) Removed and replaced flap actuator "T" fitting. Bled air from flap system.... (30) Inb pilot seat rail support in belly cracked @aft rivet.... (31) Blended corner radius where crack was beginning in flap actuator support to remove crack.... (32) Applied epoxy to leaking rivet at RH fuel drain.... (33) Shined main gear door heims.... (34) Replaced old style prop governor rod end with new.... (35) Installed nose gear tow limit indicator arm.... (36) Replaced both nose wheel races and bearings with new.

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell ASPT [REDACTED]

DATE: 10/5/2020

SIGNATURE [REDACTED]

Work Order: 3285-09-2020

INSPECTION RECORD
FAR 91.411 The Altimeter make Aspen
Model EED 1000 and S/N 24428
I Certify the static pressure system, altimeter instrument, and
Automatic pressure altitude reporting system has been tested
And inspected and found to comply with FAR 43 APP.E.
Test to 2000 K.F. For details see W.O. 8413
Inspected by [REDACTED] Date 8-8-2019
Sparrow Inspections LLC FAA CRS XXVR919L
477 Norwood Rd. Mansfield, La. 71052 [REDACTED]

.217
STATUS & DISCREPANCY LIST
MOVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

Sparrow Inspections LLC

FAR 91.413 The Transponder make GARMIN
Model GTX330 and S/N 84150413
I Certify the ATC Transponder has been tested and inspected
And found to comply with FAR 43 APP.F.
For detail see [REDACTED]
Inspected by [REDACTED] Date 8-8-2019
Sparrow Inspections LLC FAA CRS XXVR919L
477 Norwood Rd. Mansfield, La. 71052 [REDACTED]

MAKE: Mooney
MODEL M20E
S/N: 1137
REG. NO. N86UM
WORK ORDER
3002-07-2019

Don Maxwell Aviation Services, Inc.

390 Central Road
Longview, Tx 75603

DATE 8/16/2019
A/C TSN: 53316
TACH: 53316

Airframe Entries

(1) Operational flight check of external lights, panel lights, avionics, Pitot/Stall horn, flight controls & rigging, magneto's, engine controls, instrument readings.... (2) Annual inspection completed this date IAW the scope & detail of FAR43, Appendix D, Mooney Service & Maintenance manual & appropriate factory service instructions. Inspect for fuel tank leak, Grease & lube landing gear, check gear operation & emergency extension. Inspect landing gear & shock disc for condition & damage. Service gascolator with new gaskets & seals. Service tires, brakes & wheel bearings. Service battery & hydraulic system. Grease aircraft and service heim bearings with tri-flow. Service central vacuum & garter filter. Inspect aft trim system.... (5) AD 73-21-01 Part (A) by lubrication of all flight control systems and landing gear system rod end bearings with silicone spray lubricant Part (C) Landing gear retract test & rigging.... (6) AD75-09-08 Engine Mount complied with by inspection.... (7) AD75-23-04, N.A. not installed.... (8) C/W AD 76-07-12 by operations check IAW par. a,b,c,d.... (9) AD77-17-04 Control Wheel Shaft c/w by inspection.... (10) AD 85-24-03 C/W by Replacement of both inner & outer O-rings on both fuel caps.... (14) AD2012-05-09 Empennage Trim Fitting & Mounting Hardware Inspection complied with IAW Mooney SB M20-314A. No discrepancy found.... (15) FAR 91.411 & 91.413 complied with by Sparrow.... (16) ELT Batt due AUG 2021. Ops check per 91.207 w/ no discrepancies.... (18) AD 2017-16-01 Ameri-King ELT not installed.... (19) Repaired damaged fiberglass areas in LWR cowlings.... (20) Replaced cracked Tail pipe.... (21) Replaced RH fuel drain.... (22) Installed new rod end on mixture control cable.... (23) Replaced vent window seal.... (24) Installed trim wheel cover.... (25) Retorqued flap actuator fittings.... (26) Both MLG Door rod end & hinges worn/ LH side needs attention. RH side can go longer.... (27) Replaced Broken clamp on heat shroud scat. Replaced missing hardware on firewall. Re attached cabin door seal.... (28) Replaced tow decal.... (29) Cleaned Boost pump drain fitting.... (31) Removed prop and old spinner bulkhead. Prop previously installed wrong, all alignment bushing were pushed out. Installed new spinner bulk head on prop hub. Reinstalled prop. Torque & Saftied.... (32) Replaced nose wheel bearings.... (33) Replaced cabin and baggage door seals

I certify this aircraft has been inspected in accordance with an annual inspection and found in an airworthy condition. Don Maxwell A&P [REDACTED]

DATE: 8/16/2019

SIGNED [REDACTED]

Work Order: 3002-07-2019

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