Book Z

AIRCRAFT LOG AF5-1

Opened and inspected airframe IAW FAR 43, appendix D and Mooney Service	AUL REO	UIREMENTS	
manual checklist. Lubed all cables, rod ends, and pulleys. Lubed all hinges. Cleaned and inspected fuel filters and screens. Serviced air filter element. Jacked aircraft, removed and reinstalled landing gear actuator after repair from LASAR, Inc., cycled gear with normal and emergency systems with no discrepancies noted. Inspected and lubed wheel bearings. Inspected brakes and linings. Ops checked all lights and electrical systems. Installed new Eperb E-04, dated 05/2028 for replacement. Ops checked Eperb IAW 91.207, no discrepancies noted. Complied with recurring AD's 76-07-12, 85-24-03, 95-17-06, and 2023-09-09. See AD run attached to logs. Ran up Aircraft, no discrepancies noted. Karl Stepka IA/A&P 3482094 09/17/2024 N9166Z 3497.1 Tach 3609.2 TTAF	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AG CER
I certify this Aircraft has been inspected IAW an annual inspection and was found to be in an airworthy condition. Karl Stepka IA/A&P 3482094			

OF	04/10/2023 N9166Z AGENCY CERT. NO.
Airframe: Mooney M20R S/N: 29-0035 Airframe: Mooney M20R S/N: 29-0035 Airframe: Mooney M20R N9166Z N9166Z N9166Z N9166Z NOCERT. Airframe: Mooney M20R N9166Z N92-0035 Airframe: Mooney M20R N9166Z N9166Z N9166Z N9166Z N9166Z Nov. 9, 2022	NAME OF Tach Time: 3398.1
Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual. 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d). Battery. 3. Lubricated the following maintenance: 1. Lubricated the following maintenance: 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d). Battery.	Airframe: Mooney M20R N9166Z Tach. Time: 3399.1 S/N: 29-0035 A/C TT: 3529.2
4. Found rust particles in both main fuel tanks. Flushed tanks and fine contaminants still observed in samples taken. 5. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is not approved for return to service. Owner has a list of discrepancies Authorized Signature: Righard J. Ranheim 2782108 AP	Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual. 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d). 3. Lubricated the aircraft as required. 4. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 5. Greased landing gear, performed landing gear retraction normal and emergency. This aircraft has been inspected in accordance with a annual inspection and was determined to be in airworthy condition.

DATE Airframe: Mooney M20R S/N: 29-0035 S/N: 29-0035 Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual. 2. Complied with ELT inspection in accordance with FAR 91.207 (d). Replaced ELT Battery due 9/22 3. Lubricated the aircraft as required. 4. Performed landing gear retraction test, normal and emergency. 5. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and was determined to be in airworthy condition.	NAME OF PART NUMBER Removed and replaced LH sump drain with new SAF-SA53S valve, no leaks noted. Karl Stepka IA/A&P 3482094
Authorized Signature: Richard Ranheim 2782108 IA MAKE MOONEY MODEL M20R SN 29-0035 REG NO 9166Z WORK ORDER ANE20531-12-2020 Blanne, MN 55449 Phone 763-398-3920 Airframe Entries (1) AP won't selftest Tested in aircraft and verified. Pulled AP computer King KC-191 part #065-0054-03 S/N 32070 to evaluate. breaker until repairs are made. No further action taken at this time.	SRQ Avionics 8191 N. Tamiami Trail B2 Sarasota, FL 34243 Date: 4/9/2021 Work Order:18094 N9166Z; Model: M20R; SN: 29-0035; Hobbs:3378.2 Initial test found KAP150 autopilot operational, after 5-10 minute warm up it failed, trim light went out and totally failed. Initial test found KAP150 autopilot operational, after 5-10 minute warm up it failed, trim light went out and totally failed. Removed Trim servo K5-179 (PN:065-0052-14 SN:4334) and computer KC-191 (PN:065-0054-03 SN:32070). Bench tested Removed Trim servo K5-179 (PN:065-0052-14 SN:4334) and computer KC-191 bench +15 volts is +6.0 volts -15 is -6.1 volts, servo operational. Bench tested computer and first good then failed. KC-191 bench +15 volts is +6.0 volts -15 is -6.1 volts, and reinstalled in aircraft. Received repaired KC-191 and reinstalled in aircraft. Ramp tested operational. I certify all work done to the aircraft and component identified above were done in accordance with current regulations of learning and were found approved for return to service with respect to the work performed.
DATE: 12/22/2020 SIGNED: Or OF	Ramp tested operational. I certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certify all work done to the aircraft and component identified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations of the certified above were done in accordance with current regulations. **Contract Contract Regulation** **Contract Regulati

ENGINE PROPELLE PROPELLE ENGINE PROPELLE PROPELLE PROPELLE PROPELLE ENGINE		Reg. # N9/162 Make: Mooney Model: Madr. Tach Time: 3324 Date: 5-18-20 I certify that the altimeter and static system tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F. Altimeter Model 5934PA-8 Serial No. 952/6 Transponder Model 17701 Serial No. 1004[[Encoder Model 4-30 Serial No. 629/8] Tested to: 20,000 feet Signature: L69R251Y W.O.# Successions
ENGINE		Seaplane Services, Inc. 6980 Lake Drive
PROPELLE		- Lino Lakes, MN 55014
PROPELLE		651-792-4703
ENGINE		+
ENGINE	1 of 1	
PROPELLER		
PROPELLER		

	i de la companya de
ITEM	AMR SERVICES INC. July 14, 2019 Airframe: Mooney M20R N9166Z Tach. Time: 3267.2 A/C TT: 3267.2 SERIAL NO.
ENGINE	S/N: 29-0035 Parison and the following maintenance: A A A A A A A A A A A A A A A A A A A
ENGINE	2 Complied with EL I inspection in accordance
PROPELLER	Performed landing gear retraction test. Performed landing gear retraction test. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and was determined to be in
PROPELLER	airworthy condition
ENGINE	Richard Ranheim 2782108 IA
ENGINE	
PROPELLER	
PROPELLER	
ENGINE	
ENGINE	
PROPELLER	01/28/2020 3310.4 Hobbs
PROPELLER	A Livings with new R A66-105 linings. Repacked LH
ENGINE	caliner with new MS28775-222 orings IAW Rapeo mandain
ENGINE	brakes IAW Mooney service manual.
PROPELLER	I ICL 10 O
PROPELLER	Karl Stepka IA/A&P 3482094

AIRCRAFT DESCRIPTION

	Aille		222 . ()		
MANUFACTURER	NOONEY	MODEL	MOR		DATE OF MFG
	79 - 0035 REG	ISTRATION NUMBER	<u> 1091662.</u>		Inspection Status
REGISTERED OWNER					(Check one)
_					F.A.R. 91.409 ANNUAL/100 HOUR
OPERATOR					F.A.R. 91.409 PROGRESSIVE
CITY, STATE, ZIP				\Box	F.A.R. 135.419 A.T.C.O.
REGISTERED OWNER					F.A.R. 133,413 A.I.C.O.
STREET ADDRESS				\Box	OTHER
				DATE EN	TERED
OPERATOR				DAILL	
					MAINTENANCE RESPONSIBILITY
CITY, STATE, ZIP					
_					

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Memoranda	_	-	Reg. # N966Z Make: MOONEY Model: M20R
	Airframe: Mooney M20R S/N: 29-0035 Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d). Battery replacement due May 2020. Lubricated the aircraft as required. Charged Concorde battery in #1 position. Charge #2 battery. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 3651.8 Greased landing gear, performed landing gear retraction normal and emergency. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is approved for return to service. Authorized Signature: Richard J. Ranheim 2782108 IA	- - -	Tach Time: 3i52.3 Date: 5-23-18 I certify that the altimeter and static system tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F. Altimeter Model 59.34PA-5 Serial No. 97.70 Transponder Model K776A Serial No. 67.918 Tested to: 18,000 feet Signature: CRS#: L69R251Y W.O.#: PS218016 Seaplane Services, Inc. 6980 Lake Drive
			Lino Lakes, MN 55014 651-792-4703
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TOTAL TIME IP SERVIC Reg. #	nal Equipment nal Equipment red-Exchanged for Optional ired-Exchanged for Optional nal Equipment red-Exchanged for Optional ired-Exchanged for Optional nal Equipment nal Equipment nal Equipment red-Exchanged for Optional	Airframe: Mooney M20R N9166Z March 17, 2017 S/N: 29-0035 A/C TT: 3089.0 Hobbs Time: 3089.0 Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d).Replaced Battery, new replacement due Oct. 2017 3. Performed landing gear retraction normal and emergency. 4. Lubricated the aircraft as required. 5. AD 84-26-02 Paper induction air filter replacement due Hobbs 3162.0. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is was determined to be in airworthy condition. Authorized Signature: Richard J. Ranheim 27821081A	Memorano
Signature:	ired-Exchanged for Optional all Equipment nal Equipment red-Exchanged for Optional ired-Exchanged for Optional		
Seaplane Services, Inc. 6980 Lake Drive Lino Lakes, MN 55014 651-792-4703	nal Equipment nal Equipment red-Exchanged for Optional ired-Exchanged for Optional nal Equipment nal Equipment red-Exchanged for Optional jured-Exchanged for Optional		

DATE 19	TO1 TIM SER	AMR SERVICES INC. Airframe: Mooney M20R N9166Z N9166Z N9166Z Dec. 11, 2015 S/N: 29-0035 Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual. 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d).Replaced Battery, new replacement due Oct. 2017. 3. Performed landing gear retraction normal and emergency. 4. Lubricated the aircraft as required. 5. Charged Concorde battery 1 and 2. 6. AD 84-26-02 Paper induction air filter replacement due Hobbs 3162.0. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is was determined to be inspected as a secondance.	otional Equipment Iptional Equipment equired—Exchanged for Optional equired—Exchanged for Optional tional Equipment iquired—Exchanged for Optional equired—Exchanged for Optional equired—Exchanged for Optional	DATE :	AMR SERVICES INC. Airframe: Mooney M20R N9166Z S/N: 29-0035 Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney M20R Maintenance Manual. 2. Replaced ELT battery. Complied with ELT inspection in accordance with FAR 91.207 (d). Replaced Battery, new replacement due Oct. 2017. 3. Repaired landing light wire connector. 4. Performed landing gear retraction normal and emergency. 5. Lubricated the aircraft as required. 6. Charged Concorde battery 1 and 2. 7. AD 84-26-02 Paper induction air filter replacement due Hobbs 3162 0	Equipment Equipment —Exchanged for Optional 3-Exchanged for Optional Equipment Equipment —Exchanged for Optional 3-Exchanged for Optional
		Authorized Signature: Pichard J. Ranheim 2782108IA	ptional Equipment quired-Exchanged for Optional equired-Exchanged for Optional stional Equipment ptional Equipment adquired-Exchanged for Optional Required-Exchanged for Optional sptional Equipment optional Equipment equired-Exchanged for Optional Required-Exchanged for Optional Required-Exchanged for Optional		7. AD 84-26-02 Paper induction air filter replacement due Hobbs 3162.0. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is was determined to be in airworthy condition. Authorized Signature: Richard J. Ranheim 2782108IA End Addition of Opti Removal of Opti Removal of Req Removal of Req	Equipment Equipment Exchanged for Optional d-Exchanged for Optional Equipment I Equipment I-Exchanged for Optional d-Exchanged for Optional onal Equipment ional Equipment uired-Exchanged for Optional lured-Exchanged for Optional
© ASA 1993		☐ Removal of C	photonal Equipment equired-Exchanged for Optional lequired-Exchanged for Optional		☐ Addition of Opti ☐ Removal of Opt ☐ Addition of Req ☐ Addition of Req ☐ Removal of Rec	ional Equipment

	END		19_	TOTAL TIME IN SERVICE	Airframe: Mooney M20R N9166Z	Nov. 5, 2014
 Replaced ELT battery. Cor Battery, new replacement of 3. Drained fuel tanks. Remove from tanks. Resealed tanks. Installed panels. Flushed to checked OK. 	Inspection referencing the Mooney M20F mplied with ELT inspection in accordance due Oct. 2015. Wed all access panels. Removed sealant from s in accordance with M20R maintenance manks with 100LL after completion of cure panels.	with FAR 91.207 (d).Replaced n panels. Removed excess sealant nanual with sealant and top coating.			S/N: 29-0035 Performed the following maintenance: 1. Complied with an Annual Inspection referencing the Mooney 2. Replaced ELT battery. Complied with ELT inspection in accor Battery, new replacement due Oct. 2015. 3. Performed landing gear retraction normal and emergency. 4. Lubricated the aircraft as required. 5. Charged Concorde battery in #1 position. Serviced and charged 6. AD 84-26-02 Paper induction air filter replacement due Hobbs This aircraft has been inspected in accordance with FAR Part 43.13 in airworthy condition. Authorized Signature End	M20R Maintenance Manual. dance with FAR 91.207 (d).Replaced #2 battery. 3162.0.
 Lubricated the aircraft as respectively. Charged Concorde battery. AD 84-26-02 Paper induct. 	equired. in #1 position. Serviced and charged #2 bation air filter replacement due Hobbs 3162.	attery.		-		
This aircraft has been inspected service.	in accordance with FAR Part 43.13 Apper	ndix D and is approved for return to		+		

Tail # N9166Z Champion Flyers – Shelby Co. Airport (KEET) DATE: 01/04/12 TACH: n/a HOBBS: 2710.3 AFTT: Check report of no/LOW take-off power. Verified owner report. Un-cowl aircraft for access to engine. Verify engine and prop control cable stops. Clean fuel system strainers. Clean fuel distribution filter. Clean fuel injectors & reinstall in proper cylinders per TCM Service Manual. C/W TCM SID97-03E. Set engine to IO-550-G specs. Open exhaust system, inspect muffler w/bore scope. Remoove left stack for muffler removal access. Ship muffler to Acrospace Welding for overhaul. Reinstall overhauled muffler(Pt.# 630112-501) w/new gaskets & attach hardware as necessary. Perform run-up. I certify this AIRCRAFT or COMPONENT has been repaired IAW applicable FAA and/or manufacturers technical information and the above repairs deemed airworthy at this time. Michael Henderson, A&P 2791926	DATE 19	Performed the following maintena 1. Complied with an Annua 2. Replaced ELT battery. Coreplacement due Oct. 201 3. Lubricated the aircraft as 4. Removed left hand brake 5. Repositioned left hand low 6. Replaced lower engine maintenance of the complete o	omplied with ELT inspection in accordance 13. required. caliper. Polished and resealed pistons. Ins wer baffle retainer wire. sanifold drain hose. A.O.A. system in accordance with Classic/ be a minor alteration, see FAA letter date breaker P/N W31X2M1G10 for probe hea tom right of breaker panel. Wired per enha formed ground setup. Operationally checked dairworthiness see installation manual pag y in #1 position. Serviced and charged #2 34-26-02 Paper induction air filter replacen ed in accordance with FAR Part 43.13 App	stalled and serviced. /Ultra AOA-4010 Installation Manual. td Dec. 15, 2011 in installation packet. at capability. Installed 1 amp breaker anced AOA (DSTR-AOA-1860) td ok. Weight and balance negligible. ge 7.1. battery. ment due Hobbs 3162.0.	
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AMR SERVICES INC.

19	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency		19	TOTAL TIME IN SERVICE	Reference of Major Repairs and Major Alterations To FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency Date: 12/09/2011; Aircraft: N9166Z; Type: M20R; S/N: M20R29-0035	
		Date: 12/09/2011; Aircraft: N9166Z; Type: M20R; S/N: M20R29-0035 Removed #1 KX165 and KLN90A. Installed GTN650 and wired to KI525A. Mounted GA35 GPS Antenna in same location as KLN90A Antenna. Replaced AK350 with ACK A-30.9 Encoder. Replaced NAV2 Indicator with KI204. Updated weight and balance and swung compass. MAINTENANCE RELEASE The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Name: Jim Fairchild Cert. Number: 2429051 R&I Sign:				Performed Transponder, altimeter and encoder test. I certify that the altimeter, static system, transponder and altitude reporter test required by FARs 91.411, 91.413 and 91.217 have been performed and found to be within the limits of FAR43 appendices E and F and AC43.6b. Tested to 20 Kft. Altimeter #1 Model 5934PA3 s/n 9J710 Transponder #1 Model KT76A s/n 100411 Encoder #1 Model ACK30 s/n 123090 MAINTENANCE RELEASE The component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Name: Jim Fairchild Cert. Number: 2429051 R&I Sign: 2 D Tarib. Date: 12/9/2011	
© ASA 199	3		·			CRS # BDKR393C STC Aviation Inc. 1544 45th Ave SE St. Cloud MN 56304	

RECORDI TACH TIME	FLIGHT TIME		and Certificate Number of Technician or Re	pair	13. Sealed several LH fuel tank screws. Leak checked OK. 14. Tightened hardware on RH nose gear door. 15. Stop drilled crack on LH gear well axillary structure. 16. Removed grass from both brake assembles, and assembled. 17. Repositioned engine breather tube.
S/N: 2	ame: Mooney M20F 29-0035 rmed the following	A/C TT: 2786.6	Sept. 4, 2011 Tach. Time: 2656.5	_ 	18. Installed new Concorde battery in #1 position. Serviced #1 battery and moved to the #2 position. 19. Replaced EGT probe. Operationally checked OK. 20. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 2662.0. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is approved for return to service.
3	 Complied with a ELT inop. Defended within 90 days. I Lubricated the air 	n Annual Inspection referencing the Mooney M20R red due to battery availability and unit replacement. In Due by December 4th 2011 per FAR 91.207. Sircraft as required. Ed, and reinstalled the aircraft battery.	Maintenance Manual. ELT must be returned to service		Authorized Signature: Ron Dass AP 470847011 IA
5 6 7 8	 Repositioned left Removed, cleane Replaced lower e Applied chafe pr 	t hand lower baffle retainer wire. Ed, and installed new cowling heat shields. Engine manifold drain hose. Otection on engine intake ducting.			Eliq
- 1	 Installed stainles Cleaned grass from Cleaned corrode 	s screw in flux valve access panel. om both wings and tail. d battery terminal on #2 battery.			
_	2. Removed RH fue	el tank panel near drain. Cleaned, prepped, and instal	led panel. Leak check OK.		

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	Reg. # N9166Z Make: MODEY Model: MOOR	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 Repa Facility. (See back pages for other specific entries.)	
Airframe: Mooney M20R S/N: 29-0035	Tach Time: 2503-(Date: 4-1-10 I certify that the altimeter and static system tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413, have been part.			T			
1. Complied with an . 2. Complied with EL'	CFR part 43, appendix E and F.		Airframe: M 5/N: 29-0035	ooney M20	0 R	AMR SERVICES INC. N9166Z August 4, 2010	
4. In compliance with This aircraft has been in	aft Altimeter Model 59349A3 Serial No. 95710 ALT Transponder Model K776A Serial No. 100911		Performed th	e followin plied with	g maintenan an Annual l	Inspection referencing the Mooney M20R Maintenance Manual	
service.	Tested to: 20,000 feet		2. Con 3. Lub	ipited with ricated the	i ELT inspect aircraft as re	tion in accordance with FAR 91.207 (d).	
	(signature) CRS#: L69R251Y W.O.#: RS 21007	5. In compliance with AD 84-26-02 Paper induction air filter replacement due Hobbs 2662.0. This aircraft has been inspected in accordance with FAR Part 43.13 Appendix D and is approved for service.					
	Scaplane Services, Inc.					Authorized Signature: July Spinew	
A 1993	6980 Lake Drive Lino Lakes, MN 55014 651.792.4703		<u> </u>			Richard Ranheim 2782108 IA	

S/N: 29-0035 July 7, 200		Passintian of Inspections, Tests, Re	pairs and Alterations
Richard Ranhoim 2792109 14	 Complied with an Annu Complied with ELT insp Lubricated the aircraft at In compliance with AD 	N9166Z A/C TT: 2526.6 Parance: Lal Inspection referencing the Mooney M20R M pection in accordance with FAR 91.207 (d). Repute the Mooney M20R M 184 26 02 Person in Latin Care	placed ELT Battery.
			Danhew
		Richa	ard Ranheim 2782108 IA

	23 APRIL 2007 N9166Z M20R S/N 29-0035 HOBBS 2032.1 2162.2 A/F TT IO-550-G(5) S/N 679111 ENG. TT 1975.9hr. ENG. TSMOH 390.5hr. McCAULEY 3A32C418-C/G-82NTLC-9 S/N FP3067B PROP. TT 1060.1hr. PROP. TSNew 1060.1hr. LUBRICATED AND PERFORMED CONTROL TRAVEL CHECKS. SERVICED BATTERIES, TIRES, AND GEAR. INSPECTED AND PERFORMED ELECTRICAL SYSTEM CHECK PERFORMED IMPACT AND STATIC TEST ON ELT. INSPECTED AND PERFORMED ELECTRICAL SYSTEM CHECK PERFORMED IMPACT AND STATIC TEST ON ELT. I.A.W. 14 CFR, PART 91 207, Para (d). ELT BATTERIES DUE APRIL 2002. REPLACED VACUUM REGULATOR FILTER. II.A.W. 14 CFR, PART 91 207, Para (d). ELT BATTERIES DUE APRIL 2002. REPLACED VACUUM REGULATOR FILTER. II.A.W. 14 CFR, PART 91 207, Para (d). ELT BATTERIES DUE APRIL 2003. REPLACED VACUUM REGULATOR FILTER. III.A.W. 14 CFR, PART 91 207, Para (d). ELT BATTERIES DUE APRIL 2003. REPLACED VACUUM REGULATOR FILTER. III.A.W. 14 CFR, PART 91 207, Para (d). ELT BATTERIES DUE APRIL 2003. MOONEY S.B. M20-292A ENG. MOUNT INSULATION, INSULATION, N/A by A/F S/N. A.D. 2007-292A ENG. MOUNT INSULATION, MOUNT / INSULATION, N/A by A/F S/N. A.D. 2007-04-1971 CYL. SEPARATION — SUPERIOR. N/A by A/F S/N. A.D. 2007-04-1971 CYL. SEPARATION — SUPERIOR. N/A by Cyl. MANUFACTURER - ALL 6. (Engine O/H'd 3-2-2005, TCM Cyl. Assy# EQ7090). A.D. 2006-12-07 CYL. CRACKS — ECI. SUPERIOR. N/A by Cyl. MANUFACTURER - ALL 6. (Engine O/H'd 3-2-2005, TCM Cyl. Assy# EQ7090). A.D. 2006-12-07 EQ7090). A.D. 2006-24-07 PROPELLER BLADE SEPARATION PROP. NOT RTS by CSE. C/W A.D. 84-26-02 PAPER INDUCTION AIR FILTERS BY REPLACEMENT. NEXT DUE INSPECTION @ 2262 hr. A/F TT REPLACEMENT NEXT DUE INSPECTION @ 2262 hr. A/F TT REPLACEMENT NEXT DUE INSPECTION @ 2262 hr. A/F TT REPLACEMENT NEXT DUE INSPECTION @ 2262 hr. A/F TT REPLACEMENT NEXT DUE INSPECTION @ 2262 hr. A/F TT REPLACEMENT NEXT DUE INSPECTION & DETERMINED TO BE IN AIRWORHTY CONDITION. I. KELLINGTON. I. KELLINGTON.	DATE RECORD TACH TIME	6/6/08 N9166Z M20R S/N 29-0035 Hobbs 2222.0 2352.1 AFTT IO-550-G(5) S/N 679111 ENG TT 2352.1 580.4 SMOH McCauley 3A32C418-C/G-82NTC-9 S/N FP3067B 1250 SPOH Performed control checks, lubricated. Serviced Aircraft batteries. Performed Landing extension and emergency check. Greased gear. Installed new ELT Battery I.A. W 14CFR, part 91.207 d. Battery due at 6/10. Replaced vacuum Regulator filter b3-5-1. C/W AD 84-26-02 Paper induction air filter. Next inspection Due 2452.1. Replacement due @ 2662.0 AFTT. Run up and leak check satisfactory. AD's checked thru 2008-12. I certify that this airframe has been inspected in Accordance with an annual inspection and was determined to be in airworthy Condition. Richard Ranheim AP2782108IA	inician or Repair 6/6/08 1250 Tach
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RECORDING TACH TIME	FLI MAKE: MOCNEY MODEL: M2OR SN. 29-0035 REG. NO: 9166Z WORK ORDER: Blaine, MN 55449 Blaine, MN 55449	DATE: 2/6/2006	> or Repair	19	TACH	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.)
	ANE1434-01-2006 Phone: 763-780-1428 Airframe Entries			1				1845,8 HOBBS
993	(1) Tested horizon in aircraft. Verified problem, slow to erect. Removed failed KI 258 exchange KI 258, PN: 060-0020-01, SN: 9611. Set up and performed gyro alignment Nulled roll and pitch gyro and set gain. Normal operation indicated. Returned core RI . [ITEM](2) Removed filter, no date or time noted, visual inspection, filter dirty. Repla filter. Tested gyro for proper operation. Normal operation indicated. AW. JP. . [ITEM](3) Performed The Following: The Below Identified Equipment Has Been Found To Conform To The Following: FAR 91.413, Part 43 Appendix F. This Equipment Is Compliant With The Above FAR Requirement For IFR Flight in Instrument Meteorological Conditions, (IMC). The belot to: 20,000 Feet. AW. Altimeter Encoder Transponder Make: United Make: Terra Make: King Model: 5934PA-3 Model: AT-3000 Model: KT-76A SN: 9J710 SN: 18183 SN: 100411	PAR 91.411, 91.217, Part 43 Appendix E. AR's And Meets or Exceeds The elow altimetry maintain specified accuracy		INSPECT LA.W. 14 FAILUR INSP NE	TED AND PE 4 CFR, PART RE. N/A by EN EXT DUE @ RUN UP, LE	(5) 3A32C41 ED AND P ERFORME T 91 207, P NGINE MA 2035 A/F EAK, OPE	PERFORMED ED ELECTRI Para. (d). ELT ANUFACTUR TT (replacer ERATIONAL)	9111 ENG. TT 1845-8hr. ENG. TSMOH 204.2hr.

MACA tops

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.)	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.)
	March		Inspe Aircro and bo and bo Insta C/k L landing Engine installe	al Inspection. AD2004-08-10 TCM ECIders DNA by PN. C/W FAR 91.207 (1)-4 ELT tion Battery Due Feb 2006. Lubricated ft as required. Installed one new Bott ushing in tail trim link. Serviced wheels akes Installed new Main Gear shock discis. Hed M20-27.5 Electrical system modification and ing Gear down lock tension. Checked Geor operation normal and Emergency. Removal Clutch Driven Stand-by Vac System and Electric Stand-by Vac. Serviced batteries for Resevoir. Installed new left taxi light.	29 W	arch Du		Engine Engine The FAR's in a	Cleaned Connections in Rotating Beach. Cascolator and installed new seals. Reinstalled After overhaul by Poplar Grove Airmetive. Was Run-yo and Set-yo as Per Continental, arby certify that this [Aircraft / Aircraft / Aircraft / Aircraft has been thoroughly inspected as per existing inspection and found to be in an airworthy condition. Hobbs / Teeh-Time 1641.6 hrs. A/C Total Time 1771.7 hrs. Time S.M.O.H O hrs. Engine Total Time 1771.7 hrs. of Prop O.H. / New Aug 30, 2001 Time S.R.O.H. 433.8 hrs. mual Inspection Due March 2006 Signature & Cicense Number Willmar Air Service. Inc. PO Box 1077 Willmar, MN 56201 320-235-4844
© ASA 1993			74	THE TIEN TENT TO XI JUNE					

6 1 2 1 1 1 1

TACH TIME TODAY	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair A Company of the Company of Technician of Repair of Technician of Repair
Mennel &	Marging also born to Checkel
	I hereby certify that tide (Airhame) has been increugitly imported as per existing
	F.A.R.'s in accordance with an (Amunal) inspection and found to be in an Abrunday Condition Fach Time 1405 a S Nov. AC Total Time 535.9. Nov. 1.S.N.O.M
	Use of Prop O.M. Wrs. Engine Total Time 173517 Nrs. Was Engine Total Time 173517 Nrs. Was Engine Total Time 173517 Nrs. Was Engine Total Time 173517 Nrs.
	Date Signature and Ucenso Number William Air Samples, Inc. William, May
© ASA 1993	Personal record

RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations RECORDING TODAY'S Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair TOTAL FLIGHT TIME IN TACH Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair FLIGHT TIME IN SERVICE Facility. (See back pages for other specific entries.) SERVICE Facility. (See back pages for other specific entries.) 10. De03 140 bbs 11517 Corrected HT 1287, 2605 Installed a service be used Standby Vac System, Beguired: mutther and plates by willing creeks, Institled a new Alt Air door Magnet. ands new Static with on hudder Emone house and hey dece (Septimo) Asy eract B.A.R.'s in eccentance with an (Annual) Inspection and found to be in an Alvest Hrs. Engine Your Time 12872 DOM OF PRO CH NEW & -30-01 Mans Sport Signature and License Number Willmar Air Service, Inc. Willmar, MN @ ASA 1993

19		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.)	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.)
	DATE:	1-	14-02	HOURS: 112-3.9	Ja	0,003 79	1 11	57,1 hrs	Corrected total time dux to hobbs moter not working.
	reporter	tests re	quired by	static system, transponder and altitude FAR'S 91.411, 91.413 & 91.217 have				A/FTT-	1287.2 hrs. Correction by P.lots log time, Annual Imp.
	Tested to	es E &	Fand AC	43.6aft	_				SiBMO-2794 Menry Gras Actuator Cho, Installed was fire!
	Tanspor	der Mo	COL ATO	#1sn Q\ \ \ \ #2sn					Marcal fluct of and Alded new 5600 to brake
	Signed:	7	Cal	# 249/, TO					System. Installed a serviceable used tach Sensor to lett man. Installed a new Ent Park Reported broken wie for
	AIRCRAI CRS# QI	M2R114	CTRONIC L Work (S, BLAINE, MN 55449 Order #_/5479	_				#4 CHT hopesed broken wire for tail Strobe Installed a
									New Brained and cheaned gasolater Installed a North Drained and cheaned gasolater Installed a NEW 6-243 batter in Right side, OUCR -> ONER -> ONER -> ONER -> ONER -> ONER ->
© ASA 1993					_				new 6-243 batter to Brant Side, OASA 1993

					DATE	T.	1		Description of Inspections, Tests, Repairs and Alterations Description of Inspections, Tests, Repairs and Certificate Number of Technician or Repair
19	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.)	19	TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with Name, nating and definition of the Facility. (See back pages for other specific entries.)
				Facility. (See back pages for suiter speciment				1	dured 5 stack it wilks Installed a Made Aduloil
10.10	1 1/21/2	1100	obe 1	and was removed for train down inspection this	- Magin	In h	eft ws	3. 12	24146 5 57424. MW. COS (11 (W) TOA TILL
10-10-	CI PEDE	1107	c/ 123, C	111 1 5 North ASF47380 2013	Sin	untas a	corden	In &	STE. SA 02833 AT 337 61/14/ with FAH Lossolle
date	IO-550	-6	5/W 679	111. June took 18 4135 2013	0	47100 01		1	I de Contratel
					of NA	Sump	and Las	T hanis	Elymnos to engine, Engre than up and Sortup Completel
11 >	11	/	14.11	a say resided after trandown	alle	day los	M.	650	(Chiental (Circlett) Res ossi (Indiana)
11-28	01, 140)	/	1041 ha	2 / 1 -100100 1 14		2	17.40	escopy com.	tengine)
goraline !	was by Par	releve 6	100x 128	VIII THE A PROPERTY OF				n to ta ccc	tempine) rdence with a (annual) inspection and found to be in an electricity (100 hr.) Hra.
- 4	/ . 1	10	11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	F.	TW. O IN ESC	Hrs. Arc Poted TimeHra.
EST T	st and of	PUNTON	- 4w. A	4 butterys lubyd asveratt as required, Installed	_			Sof	TIME 1104 Mrs. AIC Total Time 1104 Mrs.
0-1287	5 Syri	2816	ALTOURA	+ butterys lubyd aircisi			C	nation. 10	Hrs. Engine Sotal Tinte 1104/ Mrs
n		-	1	17 SUNG IVA LINET STEET			9	S.M.O.M	2.0 MB
2 14.0	1/400 70	1	196	describer Hast for load tersion,	_				110 0 30 0/ Time SP.O.N.
11400 1	solts bus	hisony 5 0	and pon	sound hours, servery Adjust for load ferson, s in work bear its sently Adjust for load ferson, saired by Lather theo Propolar Servery. Promobilled	_		0	210 01 Prop	
Lake	Comme	Motor	6205 M	ogsith by Like theo Might set legt				lower	ne section due
				Dringland chand Consolater severe. Presistelled		-		annuai	
lora !	Extrisize	· Prok	Wired.	Dramagan Com Totalled & new tail New.	_	1	1 -4 1	Mar.	S 201 GENEROLE INC. WILLIMAR MINN ©ASA 1993
1014	MY O	Pines	Install	tel a 140 B3-51 FILTER. Installed a new tail New.	_			naic	Windows Aim DENVICE TOO
W I I	1: 1-								

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.)
nay	9-01	Hobb	S 1694.1 FAA	Demoved Boost Pump Plu ASISZ-B TESTALLED EVER HAULEN BOOST Pump See 8130-3 PN & 163-B SIN 61626 Per formed Ops CK No Leaks Sweet on Enems A+P470744035 ZA
ASA 1993				

CENTRAL WISCONSIN AVIATION, INC. CENTRAL WISCONSIN AIRPORT • 400 CWA DRIVE • MOSINEE, WI 54455

Airframe Logbook Insert N91667

10-08-01

HOBBS TIME: 1102.1

REMOVED PROPELLER DUE TO IMPACT WITH ASPHALT. DYE PENETRATE CHECK CRANK PROP FLANGE—NO CRACKS NOTED. CHECKED RUNOUT AT FLANGE—FOUND WITHIN LIMITS. INSTALL NEW McCAULEY PROPELLER MODEL 3A32C418-C HUB S/N 010289 IAW MANUFACTURES INSTRUCTIONS FOR FERRY FLIGHT FROM CWA TO ILL. GROUND RUN/LEAK

GREGORY OCONNOR

Description of Inspections, Tests, Repairs and Alterations RECORDING Description of Inspections, Tests, Repairs and Alterations TODAY'S TOTAL Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair TOTAL RECORDING TODAY'S DATE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair TACH FLIGHT TIME IN TIME IN Facility. (See back pages for other specific entries.) TIME SERVICE SERVICE Facility. (See back pages for other specific entries.) I hereby pertify that this (aircraft) has been thoroughly inspected as per existing e NIX. AD 2000-08-ST tem cronbolast Fallene NIA. F.A.R.'s in accordance with a (annual) inspection and found to be in an airworthy Por loss lights. Clie morning SE-052 Replaced no Bock Replaced Top generat monual Drive clertch of Repositionel Hrs. Engine Total Time_1065,2 Hrs Time 3.2.0.17 1065,2 Hrs Date of Prop O.H ented Renerall ax reseived Next annual Inspection due. Signature and License Number WILLMAR AIR SERVICE INC. WILLMAR MINNS Date F mensery geow aperplian n @ASA 1993 © ASA 1993

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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.)	December 21, 1999	N9166Z	- ·		Hr Meter 102
7,1999	TALA	CORDANCE WI	TH AN ANNUAL INSPECTION AND	The As Which City F	r and static systen , paragraph (a) an	tests and inspections d (b).	s required by FAR 91.4	11 have been performe
me 99%.	WAS	DETERMINED	TO BE IN AN AIRWORTHY COND.	Position	Make		Serial Number	Altitude in Feet
1					d Instruments	5934PA-3	9J710	18,000
1	DAT			Potential Coloring system	tested to 18,000	Ft per FAR Part 43 A	ppendix E paragraph (c)
		VERLIN L.	SCHAUER IA 1972317	Details of this inspection	ere on file at this	repair station under V	V.O.# 42019.	
				Signed 728	2	-		
Hobbs	1029.	3	RESEATED RY LOWER in board Fuel tank				68K	
					•			
			VE MOVING COMMECTOR Place between	To comply with FA	nsponder tests and R Part 43 Append	l inspections required lix F.	by FAR 91.413 were p	erformed this date and
 	 		THEN SENSON to then by inchalling bull	Position	Make/Model	Part Nu	ımber	Serial Number
1		ļ	Connectors Der M. C. DED.		KT76A	066-10	62-00	100411
			January Service 18	Details of this inspection	are on file at this	repair station under W	7.O.# 42019.	
	 	 	708 Nogno 185287612661	Signed JZSC		•		
	1		1 13/1		For Stevens	Aviation CRS VIB63	68K	
3								
	TACH TIME 7,1999 Me 991. Hobbs	TACH TIME FLIGHT 7/999 ICE INAL WAS TACH DATI	TACH TIME FLIGHT TIME IN SERVICE 7/999 DEERTIFY THAT THE IN ACCORDANCE WI WAS DETERMINED TACH TIME 17/2 TO DATE AUG SERVICE Hobbs 1029 3	TACH TIME TIME IN SERVICE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) 7/999 JCERTIFY THAT THISTIGG HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUALINSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY COND. TACH TIME 77/2 TOTAL TIME 72/2 PROP TIME 72/2. DATE Aug 3/999 VERLIN L. SCHAUER IA 1972317 VERLIN L. SCHAUER IA	Facility. (See back pages for other specific entries.) 7/999 1 CERTIFY THAT THE SIGNAL PASSED INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY COND. TACH THISE ZIJEPPP PROPTIME ZIJ. PORT AIR SIZE A 1972 IN 1972317 VERLIN L. SCHAUER IA 1972317 VERLIN L. SCHA	TIME IN SERVICE FLIGHT TIME IN SERVICE Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.) 7/99 JCERTIFY THAT THIS SEEN INSPECTED IN ACCORDANCE WITH AN ANNUALINSPECTION AND WAS DETERMINED TO BE IN AN ARNUALINSPECTION AND WAS DETERMINED TO BE IN AN ARRUALINSPECTION AND WAS DETERMINED TO BE IN AN ARRUALINSPECTION AND WAS DETERMINED TO BE IN AN ARRUALINSPECTION AND WAS DETERMINED TO BE IN AN ARRUALINS AND ARRUALINS AND ARRUALINS AND ARRUALINS AND ARRUALINS A	Facility, (See back pages for other specific entries.) 7/99 **JOERTHY THAT THIS SEEN INSPECTED **JORGANIC WITH AN ANNUAL INSPECTION AND **JOERTHY THAT THIS SEEN INSPECTION AND **JOER PART 43 Appendix E, paragraph (a) and (b). **Position Make Model/Part Number FAR Part 43 Appendix E, paragraph (a) and (b). **Position Make Model/Part Number 5934PA-3 **Altitude reporting system tested to 18,000 Ft per FAR Part 43 A Details of this inspection are on file at this repair station under V **Signed TES** **For Stevens Aviation CRS VIB63* **Broomfield, CO 80021* **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **Position Make/Model Part Number Sensition Under V **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR Part 43 Appendix F.* **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR PART 43 Appendix F.* **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR PART 43 Appendix F.* **JOER MOVING COMMECTOR PLAY BETWEEN THE FAR PART 43 APPENDIX BETWEEN THE FAR PA	December 21, 1999 Certify that THIS Companies of other specific entries.) Postury That THIS Companies of the specific entries.) Postury That This This Post This This Post This This Post This This Post This This This Post This This This This This This This This

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993

Description of Inspections, Tests, Repairs and Alterations MODERN AERO, INC. DATE 7/26/96 N 9166Z DATE RECORDING TODAY'S Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair 14801 PIONEER TRAIL TOTAL ian or Repair TIME595.7 FLIGHT TIME IN EDEN PRAIRIE, MN 55347 Facility. (See back pages for other specific entries.) SERVICE 612-941-2595 FAA APPROVED REPAIR STATION MZER198L INSPECT AIRCRAFT PER MOONEY CHECKLIST. LUBE CONTROL Engine Work Suspected Clir frame AND LANDING GEAR. COMPLIED WITH MOONEY SERVICE LETTER 96-3 BY INSTALLING STEEL FITTING . INSTALLED NEW Jean Cleaned & regressess O-RING ON FUEL CAPS. TORQUED BOLT FOR NOSE TRUNION replaced left wheel Brake Pods 66-105. STEERING. SHIMMED NOSE GEAR STEERING. CHANGED MAIN AND VACUUM REGULATOR FILTERS. RESEALED SIX FUEL TANK COVERS. DATE 7/26/96 POTAL THAT 595 7 I CERTIFY THIS AFTERS T Battery Next Battery Due - 9-2001 INSPECTED IN ACCORDANCE WITH A Angual INSPECTION AND WAS DETERMINED TO BE Cap O'rings, Replaced Front boffle Su IN AIRWORTHY CONDITION. FOR DETAILS SEE W/O 24907 Tel A-D Compliand records -AUTHORIZED SIGNATURE Bruce & Behrios 1 a D'S, TVP + State System test due. aircroft relin up + MODERN AERO, INC., EDEN PRAIRIE, MN FAA APPROVED REPAIR STATION MZER 198L " be air worthy ANLay A+P 50944 5394 @ ASA 1993 © ASA 1993

DATE RECORDING TACH TIME	G 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.)	DATE 1998 5-8-9	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.)
	T SUPPLIES. CAMBY, OR 97 99 800-547-890 K: ELT 110-4 EAPR/99 4 0 0130 REV E	INC. 813 11: • 15885	CHECK ELECTRICAL SYSTEM. REALACE LEFT CB. LANDING LIGHT. REPLACE ELT BATTERY. CHECK GEAR. REPACK YHEEL BEARINGS INCIDENT NOSE GEAR ROORS. GRESC GEAR CHECK AND LUBRILITE ALL CONTROLS. 1 CERTIFY THAT THIS AVACAAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A. M. MALL INSPECTION TOTAL TIME \$11 DATE 4-3-97 CHRISC. GRADISAR: AP, 5234581591A	Hour	melor	3741		Time, ANNUAL INSpection Completed This Time And Date, Gressed Let Pilling, Repair wheel Bensing Adjust fire Pressures, Genr Retractions Test Spt. standary, Air Pilter Replacement Due at 993 Hours. ELT Tested Battery Replacement Due April 1999, Pheck Electrical System. Replace 133-5-1 Regulator Pilter. Times pander And Static Test Due. CERTIFY THAT THIS Aircraft BEEN INSPECTED IN ACCORDANCE WITH Administration of the Been INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION TOTAL TIME 874 Hrs DATE 5-8-98 TOTAL TIME 874 Hrs DATE 5-8-98
© ASA 1993				-				Jesel 5. Killips © ASA 1993

DATI 19_	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 612-941-2595	nician or Repair	DATE 1996	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.)
(===	FAA APPROVED REPAIR STATION MZER198L		26 Jan	542.0			Install new BH Brake linings
	COMPLETED ANNUAL INSPECTION ON THIS DATE, GREASED GEAR,					Dall	6-010506. J Kelling ton 474864831 AFP
_	PACKED WHEEL BEARINGS. LUBED CONTROLS, SERVICED BRAKE RESERVOIR. CHARGED BATTERIES. ADJUSTED TIRE PRESSURES.					4/10 6	6 States I have
	FIT STATIC AND IMPACT OPERATION OK. ELT BATTERY DUE 3-97,		_	-			MODERN AERO, INC. DATE 8/24/96 N 9166Z
o	CW AD 84-26-02 IND. AIR FILTER BY REPLACING FILTER (NEXT			_			14801 PIONEER TRAIL TIME 644
	DUE HOBBS 993.6) REPLACED VAC REG. FILTER AND MAIN INST		_				EDEN PRAIRIE, MN 55347
1	FILTER. PERFORMED LANDING GEAR RETRACTION TEST (OPERATION OK) GENERAL INSPECTION OF AIRCRAFT SATISFACTORY.			FAA	APPROVED	REPAIR STA	TION MZER198L
Ξ	DATE 5 32-96 TOTAL TIME 493.6 I CERTIFY THIS A CORDANCE WITH A AUGUST INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. FOR DETAILS SEE W/O 24738 AUTHORIZED SIGNATURE MAY ACKNOWLE.		*	G	ROUND	ED OIL RUN -I 4990-1.	TEMP. PROBE ASSY. P/N 800263-799. IP WAS SATISFACTORY. REF. MODERN AERO
© ASA 199	FAA APPROVED REPAIR STATION MZER 198L						© ASA 1993

19	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 612-941-2595 MODERN AERO, INC. DATE 3-8-96 N 9166Z TIM 201	n 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.)
	COMPLETED ANNUAL INSPECTION. PITOT. STATIC & TRANSPONDER CERTIFICATION. NEXT DUE 04/97. BLT BATTERY NEXT DUE 03/97. REPLACED LH TAXI LIGHT BULB. REPLACED NOSE TIRE WITH 5.00 X 5 6 PLY. REPLACED ALL LH BRAKE LININGS. PERFORMED GEAR RETRACTION TEST. NO DEFECTS NOTED. N9166Z ARCHIVIT Hat this inspected in accordance with a				FAA APPR	Remove instal	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 612-941-2595 R STATION MZER198L ed avionics fan PN#640317-505 and 11ed new avionics fan PN#64317-202. tional check ok Refer to Modern Aero 24662-1 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 9166Z TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. 14801 PIONEER TRAIL TIME Tach 455 MODERN AERO, INC. TIME
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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.)	DATE 19		MODERN AERO, INC. 14801 PIONEER TRAIL TIME Hrs 365.2	an or Repair
			PAIR STATION	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 612-941-2595 MZER198L DATE 11-22-95 N MZER198L		OPS CHECKED OK. INST CHECKED OK. ADJUSTED	612-941-2595	

DATE	MODERN AERO, INC. 14801 PIONEER TRAIL DATE 10-13-95 N 9166Z TIME 298.0	ician or Repair		RECORDING TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspection Entries must be endorsed with Facility. (See back pages for o	ons, Tests, Repairs and Alterations Name, Rating and Certificate Number of Te other specific entries.)	echnician or Repair
=	EDEN PRAIRIE, MN 55347 612-941-2595 FAA APPROVED REPAIR STATION MZER198L					MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347	DATE 12-26-95 N 9166Z TIME Hobbs 345.6	=
_	Completed an annual inspection on this date. Greased year					612-941-2595		1
-	lubed controls. serviced brake reservoir. Charge batterys & added water. cleaned main fuel screen. Adjusted tire		-	FAA APPROVED R	EPAIR STATIO	ON MZER198L		-
1	pressures. ELT static & impact operation ok (ELT Battery		_			- 10 3 3	- X	-
-	due 03-97) Replaced left wing landing light. Replaced vac reg filter. Performed landing gear retraction test &		_			11 (1) (2)	(X-17-1 (X) (££/)	-
	found operation ok. General inspection of aircraft		_			Un 1217	0 0	-
	satisfactory. DATE 10-13-95 TOTAL TIME 298.00	_	_			Dreg &	Schuette	
-	I CERTIFY THIS ALOC TOFT HAS BEEN INSPECTED IN ACCORDANCE WITH A AAAUG.	0	_			V		
_	INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		_					
	FOR DETAILS SEE W/O 74 258 0 1		_		1			
© ASA 199	MODERN AERO, INC., EDEN PRAIRE, MN FAA APPROVED REPAIR STATION MZER 1981							© ASA 199

MODERN AERO, INC. 19 MODERN AERO, INC. 14801 PIONEER TRAIL 14801 PIONEER TRAIL 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 TIME 19 MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347	
EDEN FRANKE, MIN 55047	
EDEN PRAIRIE, MN 55347 612-941-2595	
FAA APPROVED REPAIR STATION MZER198L	
ANNUAL INSPECTION COMPLETED THIS DATE IN ACCORDANCE WITH MOONEY SERVICE AND	
COMPLETED ANNUAL INSPECTION ON THIS DATE IN ACCORDANCE WITH MOONEY SERVICE & MAINTENANCE MANUAL INSPECTION ON THIS DATE IN ACCORDANCE WITH MOONEY SERVICE & MAINTENANCE MANUAL M20R REV 4-95. GREASED. LUBED AND CLEANED LANDING GEAR.	
MAINTENANCE MANUAL MZOR REV 4-95. PERFORMED LANDING GEAR RETRACTION TEST. MAINTENANCE MANUAL MZOR REV 4-95. GRBASED. LOBBD AND CHEARED LANDING GEAR. CLEANED MAIN FUEL SCREEN AND PRESSURE CHECK. E.L.T. OPERATION GOOD WITH	
CORACKO GRAR, SKRVICKO BRAND RESOLVED ALKONATI BATTERI	
GLEANED MAIN FUEL SCREEN, CHECKED BET CLEARED BET CLEA	
3-47 All 75-73-04 NUI APPUICADED, AD 30 VI VIII BARNOUI VIANOAD INDIIVOUI.	
COMPLIED WITH ON 05-04-95 67.5 HOURS. MZER198L. AD 94-06-09 CAPACITOR NOT DATE 8-9-95 TOTAL TIME 198-9	
APPLICABLE BY DATE CODE, AD 94-01-03 COLLS & MAGNETS NOT APPLICABLE, REPLACED	
VACUUM REGULATOR FILTER B3-5-1, STATIC & TRANSPONDER CHECK DUE 3-97. GENERAL INSPECTED IN ACCORDANCE WITH A A PARASE	
VACUUM REGULATOR FILTER B3-5-1, STATIC & TRANSPONDER CHECK DUE 3-97. GENERAL CONDITION OF THIS AIRCRAFT IS SATISFACTORY AT THIS TIME & DATE. MAINTENANCE PERFORMED ON WO# 23821. CERTIFY THIS TOTAL TIME 102.8 FOR DETAILS SEE W/O 3 4/0 45	
PERFORMED ON WO# 23821. PERFORMED ON WOW PERFORMED ON WO	
THAS BEELY AV	
IN AIRWORTHY CONDITION. IN AIRWORTHY CONDITION. FAA APPROVED REPAIR STATION MZER 198L	
- ON DETAILS SEE W/O 22c2/	© ASA 199
AUTHORIZED SIGNATURE	
© ASA 1993 MODERN AERO, INC., EDEN PRAIRIE, MN	

- . Bassing and Alterations

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 of Facility. (See back pages for other specific entries.)	pare 19	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 DATE 05-04-95N 9166Z TIME 67.5 hrs
	FA	AA APPROVI	ED REPAIR S	MODERN AERO, INC. 14801 PIONEER TRAIL EDEN PRAIRIE, MN 55347 612-941-2595 TATION MZER198L		FAA APPROVED REPAIR STATION MZER198L INSTALLED EXHAUST RETROFIT KIT 940095-501-1. INSTALLED NEW LEFT TAIL PIPE PER SL95-1. INSPECTIONS REQUIRED PER AD95-07-04ARE NO LONGER REQUIRED. REFERENCE MODERN ABRO WORK ORDER - 23700-1. N9166Z. 05-04-95 67.5 HOURS.
		COMPLIED WITH AD 95-07-04 EXHAUST INSPECTION AS PER MOONEY SB M20-257, NO DEFECTS NOTED NEXT DUE 64.0 HRS REFERENCE WO #23700-1.				Bruce I Bibrans

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.)	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.)
Te:		by FA rformed CHAFT C	R 91.413	been performed. MOONEY AIRCRAFT CORP. TC 2A3	3/13/25	10,6			Installed New Voltage Regulation P/N 800270-501, S/N 0059. GROUND RUN and ops checked good. W.O.# 9882. End John Biesshwah Mooney Aircraft Corp.
tes bea MC	s required to perform ONEY AIR	oy FAR 9 ed. CRAFT C	Ing altimete 1.217(b) heve ORP. TC 2A	requirements for the sector the					CRS/# FH2R820K
ASA 1993				SIGNED: 9-LS, Lel D					© ASA 1993

	 			~				
0-	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.)	DATE 19.25	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.)
14 R. 8		3.1	PRODUCTION FLIGHT TEST COMPLETED THIS DATE. THIS AIRCRAFT INSPECTED NEW AT FACTORY AND FOUND TO BE AIRWAY	MAR.8			4.1	The GPS Navigation System, Make KING Mode WEN-90A installed in this Aircraft has been Ground/Flight this Aircraft has been Ground/Flight
			FACTORY AND FOUND TO BE AIRWORTHY.					this Aircraft has been cuith Mooney tested in accordance with Mooney
		`						is approved for use under the Flight Rules, Enroute Only.
PR- 8		4.1	THIS AIRCRAFT HAS BEEN FLIGHT TESTED IN ACCORDANCE WITH ASCORDANCE					Signed Mooney Aircraft Corporation
			IN ACCORDANCE WITH MOONEY AIRCRAFT SPECIFICATION 020009 AND FOUND SATISFACTORY.					
ASA 1993			FOR FAH ACO ASW 150					© ASA 1

 WARNING	
 —THIS PROPELLER HAS BEEN DYNAMICALLY BALANCED—	
 Each aircraft has an engine/propeller imbalance and amplitude different transfer and/or propeller.	
 Dynamic balancing is not required but smoother operations are propeller are balanced as an integral unit.	
 enocial consideration when	
 Propellers that have been dynamically balanced require special considerations of the second special consideration of the second special co	
 bolted to the spinner builties and all a penalty is replaced or overhauled the weights	<u></u> -
 shall BE REMOVED from the spinner bulkhead prior to engine start up.	
v a ambination dynamically	
balanced after maintenance which halancing system is recommended but may not be	
 the only means to accomplish this balance condition. Mooney Aircraft Corp.	
	©

Note

The Record General Information Machine William And Coup Model N91667	
Number	
21 0033	
Ale of Manufacture	
Agine(s) currently installed:	
anufacturer (nutinental Model Serial	
"acturer Model	
"Peller(e)	
Blade Model Serial Serial Serial	
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	S HOLL ISSUE