# THE COOS AIRCRAFT MAINTENANCE MAINTENANCE RECORD RECORD SYSTEM

ENGINE MAINTENANCE RECORDS



## ENGINE MAINTENANCE RECORDS

Aircraft Registration No. 58/3 F

Engine Manufacturer 4/20ming

Model 10-360-A3 B 6 D

Serial No. 4-24/81-5/A

Date installed on aircraft 10-85

Time Between Overhauls (TBO) 2,000 Hours

If used on multi-engine aircraft:



Page No. TACH OR RECORDING METER DESCRIPTION OF WORK PERFORMED TOTAL TOTAL TIME SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK DATE SINCE IN SERVICE OVERHAUL TOTALS brought forward from previous page
HAS BEEN HISPES
ACCORDANCE WITH A ACCORDANCE WITH A ACCORDANCE WITH A 611 617 on the roll this siving hinds JIME 6/7 DATE S/ES/KZ CERTIFY THAT THIS AIRCRAFT A GOOD FOR HAS BEEN INCREDIED IN ACCORDANCE PANORAMA FLIGHT SERVICES INC. CRS 111-128 100 11 INSPECTION. WIT'S A AND WAS DETERMINED TO BE IN ан манрали сонфиюн. THE IN THE HRS DETAILS OF WORK CARRIED OUT 688 HELD IN FILE NUMBER SIGNATURE for PANORAMA FLIGHT SERVICE INC. WESTCHESTER GOUNTY AIRPORT . WHITE PLAINS, N.Y. 10604 P.T.T. 6174rs. P.T.B.O. 1500hrs. ANNUAL T.T.E. 61760s T.T.A.F. 61760 T.B.O. 1800 Are 628 PERTINENT DETAILS OF THIS REPAIR ON FILE 6911 DATE. UNDER WORK CROER # PANORAMA FLICHT PERVICES INC. APPROVED REPAIR STATIOH111-128 Changed Oll with 8 Qts 15w50and Lw 16202 677 Replaced oil Filter with CH48103Filter cutopenold Filter for Inspok Runnupileak Checkok PERTINENT DETAILS OF THIS REPAIR ON FILE DATE 10/23/87 UNDER WORK CROER # 17 AUG 8.7..103 111-128 OTAHOR HATH IN Ph SUB-TOTALS this page TOTALS-Carry forward to next page

				Page No. **
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
12/3/87	716	#	716	TOTALS brought forward from previous page
				DInspected ENGINE I/A/W mooney checklist,
				2) All Standard Service Item of w.
				3) Changed oil + Filter. Cutopen old Filter for
			/	Ingection-charks clean. Added & ats. Amshel
			/	15 W 50 and LW-16702 Additine.
		/	/	4) ferformed compression char (over 80)
				074 078 076 074
				5) Cheened, gapped, Tested + Botatel Spark Plugs.
		/	•	6) Replact broken chang on Intake Pipe.
				7) Replaced Intake gaskets on Number
		/	711 -	2 and 4 cylinder intake pipes.
	/	Hobbs	716.0	9) C/W AD 78-09-07 I/A/W Bendix S.B.
		Annual Due	716.0	599B. Impulse coupling Inspection. No dek
		ELT, Due		Next due @ 1216 TT.
		T.T.E.	716.0	10) Ground Run Soutisfactory + balk challed
	/	ENgine TBO		Satisfactory,
	4	TTP.	716.0	Joe fanell. At184603733
/		Prop TBO	1500 HRS.	Joe fanell. At184603733
/_				I CERTIFY THAT THIS ENGLINE. HAS ECEN INSPECTED IN ACCORDANCE WITH A TOO HR. INSPECTION AND WAS
_/_				DETERMINED TO BE IN AN AIRWORTHY CONDITION. DETAILS OF THIS INSPECTION ARE ON FILE WITH THIS STATION UNDER
				WIO # 7996 TIME 7100 DATE 12-3-87 SIGNED J KUSULU P S FOR
/				PANORANA FLIGHT SERVICES INC. CRS 11-128
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

		1		Page No. 14
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2/5/88	814		814	TOTALS brought forward from previous page
				Ing Eng I/A/w Mooney Checklist
				Allstandard Service Items quith
				Changedoilwith 8 Qt3 Aeroshell 15W509 Lw16702
				Replaced Oil Filter with CH 48103Filter
	,			cut openald of 1Filter for Inspok
	*			Comp. check ) 7/80 2) 7/80 3) 7/80 4) 7/8
				Replaced, Gapped 9 Tested All Plugs with RHM38.
		1		Cleaned All Fuel Injectors
				Replaced #3 Lower Sparkplug Lead
				Replaced Induction Air Filter
				Runnup & Leak Check OK
		Hobbs	814	Ju Favell. A+P84603733
		TTAF	814	I CERTIFY THAT THIS F. H. 9 ON C. HAS EEEN HISPECTED IN ALCOHOMICE WITH AN ANHALY HAS EEEN HISPECTED
		Next Due ELT Due	Feb89 Sept89	DETERMINED TO BE IM AN AIRWORTHY CONCITION. DETMILS OF
		TTE	814	WIO # 7/93 THE STATE DATE 2/5/54
		Engine TBO	2,0001/185	PANOZIMA FUGIT SERVICES INC. CRS 111-128
		TTP	814	
		Prop TBO	1500 H/RS	
		ADS Sheck		
18/88				Priority Letter A.D. 88-03-06 OIL FILTERS
				Priority Letter A.D. 88-03-06 OIL FILTERS  N/A TEM FILTER NOT INSTALLED  ALPS8445258
	1			D+P58445258
				,
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

No.	TOTAL TIME IN	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED_ SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
DATE	SERVICE	O'CL	A property of	TOTALS brought forward from previous page
11.	848 hrs	unhle		Replaced ALTERNATOR & ALY-8420
8/88	878 ACI	770000		\$ 0 ff 5 \$000002 \$ 00 68000154
				Performed RUN-p + SET VOLTAGE PEGULATOR  PENTINENT DETAILS OF THIS REPAIR ON THE  UNDER WORK ORDER # 7225  HOBBS  848
				PANORAMA FLIGHT SERVICES INC. APPROVED REPAIR STATION 111-128
1/18/88	874	H0555		Changedoil with 8Q+5 15 w50 and hw 1600
				Replaced Oil Fulter with CH48103 Filter
	1000	-		Serviced Boitt, and Tires Rynnighterfact
•				- end
				games of Pertinent Details of this REPAIR ON FILE  James Pertinent Details of
				14- P120543715 Authorized Signature 874
1				PANORAMA FLIGHT SERVICES INC. APPROVED REPAIR STATION 111-120
b1/88	9/1	40665		Performed INSPECTION TIAIN MOONEY CLECKLIST.
*				compression cleck: #1 72/60 #2 7/60 #3 72/60 #4 72/60.
				Changes on + FILTER. Checked OLD FILTER ELEMENT. SERVICED
				WITH 89TS AGROSHER IS WSO OIL, + CH48103 FILTER. CLEANED
4.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3200	1 5 6-17	GAPPER, AND TESTED SPARK PLUGS. REPLACED ALL EXHAUST
		237791	Party Col	GASKETS, REPLACED BOTH CABIN HEAT SCAT HOJES.
				Performed RUN-up fleak checked
				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED  IN ACCORDANCE WITH A /OOH/R INSPECTION AND WAS  DETERMINED TO BE IN AN AIRWORTHY CONDITION. DETAILS OF
				THIS INSPECTION ARE ON FILE WITH THIS STATION UNDER WIO # 7382 THME 911 DATE 5/21/87
				SIGNED FOR PANATAMA FLIGHT SERVICES INC. CRS 111-128
			The state of the s	

				Page No.
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/21/88	962	Hobbs		Changed oil with 8Qts 15 w 50 Aeroshell
	9			and LW16702 Additive. Replaced 09/ Fifter
				with CH48103 Filter, Cut open old of
				Filter for Inspok. Serviced Batt. and
				Tires, RunnuptLeak Check OF
				- end
				APP 205-4376 OF PERTINENT DETAILS OF THIS REPAIR ON FILE UNDER WORK ORDER # 10223 449
				Authorized Signature PANORAMA FLIGHT SER ICES INC. APPROVED REPAIR STATUM 111-12
7-29-88	1011.0	obbs		C/W 100 Hr. Inspection IAW FARYS APAD, Using The
	1011.07	TAF		Mouney checklist as a Guide, Engine oil Drained
				Oil Filter Inspected OK, Installed New CH48103 Filter
	1			Engine Serviced with 80TS Aeroshell 15W50 & LW16702
				Additive. Cleaned Tested & Rotated Plugs Mag Timing
				Checks OK COMP. Test #1 7% #2 180 #3 75/60 #47
2			-	Cleaned Fiel Injectors cleaned Eng of Couling Lubed Eng"
			-	Controls, Replaced #1, 2 & 3 INTOKE CASKETS. Engines
				Run Up & Leak Chouk ak.
				IN ASCORDANCE WITH A 160 BR HAS ECTION AND WAS  DETERMINED TO BE IN AN AIR WORTH & CONDITION DETAILS OF
				TIPS INSPECTION ARE ON FILE WITH THIS STATION UNDER WIO # TIME TIME TO DATE 7-29-88
				PANORAMA FLIGHT SERVICES INC. CRS 111-128
ph Ine	7			
8/2/80	1012 0	Hobbs		Installed New capacitor in Right may.  Operational check OK. Capacitor P/N10-382807
	1012.9	1 1090>		
				UNDER WORK ORDER # 7.5 DATE DATE
			5	Authorized Signature
				SUB-TOTALS this page
				TOTALS—Carry forward to next page
				<del>-</del>

			Page No. Y
TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTALS brought forward from previous page
111916	Hobbs		Performed Insp I/A/w Mooney Checklist
			All Standard Suc. Items Twith All AD's Checked thru 88-21
			Cleaned, Gapped, Rotated Tested All Plugs
			comp check 179/80 2) 79/80 3) 75/80 4) 79/80
			The Lycoming of 1425 Next Due 1519HRS.
			Changedoil with 8 Ots 15 w50 92 w 16702, Replaced OP
			Filter with CH48103Filter Cutopen Old of I Filter for Ing
			Cleaned All Fuel Injectors, Replaced All Exhaust bask
	-		AllRocker cover baskets and #2 Cyl Base O-Ring & Intak
			Gasket, Runnup Heak Check OK - end-
			games form I CERTIFY THAT THIS Engine HAS LEN INSPECTED IN ACCORDANCE WITH AN ADMINE! INSPECTION AND WAS
			A1/120543775 DETERMINED TO BE IN AN AIRWORTH! CONDITION. DELT : F THIS INSPECTION ARE ON FILE WITH THIS STATION UNDER WIO # 7801 TIME 1/9/6 DATE 1/24/50
			SIGNED FOR
			PANORAMA FLIGHT SERVICES INC. CRS 111-128
		,	
1/80	H0665		Changed oil with 8 Qts 15 w 50 Aeros hell and Limbre
-			Replaced oil Filter with CH48103 Filter Cutoped
			old oil Filter for Insp ok Runnup Heak
			PERTINENT DETAILS OF THIS REPAIR ON FILE  JAMES DATE 1/31/89  UNDER WORK ORDER # HOBBS  APP. 1/20543775  APP. 1/20543775
+	0		DATE WORK ORDER * 1885 DATE 13/89 HOBBS
			Atthorized Signature July FACH 1/80  PANORAMA FLIGHT SERVICES INC. APPROVED REPAIR STATION 111-122
			PANUKAMA FEIGHT SIGNINGS
	1		
		+	
			SUB-TOTALS this page
	IN SERVICE	IN SINCE OVERHAUL  111916 Hobbs  1180 Hobbs	TIME SINCE OVERHAUL METER TIME  111916 Hobbs  1180 Hobbs

SUB-TOTALS this page

DATE	TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED—
DATE	SERVICE	SINCE OVERHAUL	METER TIME	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7-13-89	1310.2	1310.2 HOBBS	1310.2	TOTALS brought forward from previous page
				PERFORMED INSPECTION AS PER MOONEY SERVICE
				MANUAL, ALL STANDARD SERVICE ITEMS YW.
		3		CHANGED OIL AND FILTER, INSTECTED DLD
				FILTER ELEMENT. SERVICED ENGINE WITH
				8 QTS, GWGO AEROSHELL OIL AND CHYSIO:
				OIL FILTER. COMPRESSION CHECK: #170/80,
				#272/80 ,#3 74/80 ,#4 74/80 . CLEANED ,
	*	8		GAPPED AND TESTED SPARK PLAGS. A.D.S
				CHECKED THRU ISSUE 89-12 RUN- UP
				AND LEAK CHECKED. FILLD V. Bowlos
			3	PGD 7986960
				I CERTIFY THAT THIS ENGINE
				IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS
				DETERMINED TO BE IN AN AIRWORTHY CONDITION. DETAILS OF
				THIS INSPECTION ARE ON FILE WITH THIS STATION UNDER
				WIO # 8276 TIME /3/0.2 DATE 7-13-29
				SIGNED FOR
				PANORAMA GERGHT SERVICES INC. CRS 111-128
8-24-89	1353	288aH		CHANGED OIL & FILTER. SERVICED ENGINE
·			D 19	WITH 8 QTS. OF AEROSHELL ISWED OIL.
				CUT SIEN OLD OIL FILTER & INSTERIE
				RUN- 47 a LEAK CHECKED : FROM W. 2
				PERTINENT DETAILS OF THIS REPAIR ON FILE UNDER WORK ORDER # 8315 DATE 8-24-89 ACP 95695
				(M Sevell! 253
				PANORAMA FLIGHT SERVICES INC. APPROVED REPAIR STATION 111-128
				SUB-TOTALS this page
		-		
	l	1	1	TOTALS—Carry forward to next page

SUB-TOTALS this page

TOTALS-Carry forward to next page

CRS 110-2

				Page No. Y
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5-21-90	1524,1	1574,1	1524.1	TOTALS brought forward from previous page of AD 90-04-06  I Certify This engine has
				becainspected in accordance
				and determined to be in
				an airworthy Condition
6-2491	16760		1676.0	Installed new Mussler Assy.
0 2/1/	1010			New Ram Air Filter. Changed
				Oil and Filter checked
				Compassion check #1 80/75 H2 80/74 #3 80/77 #480/76
				Installed new spark plugs.
6-24-	91 16	76.0	1676.	As a second seco
				with an Annual luspection
				out determinal to be in
				an airworthy condition
				June of the state
				7,000
				SUB-TOTALS this page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
	NSPE AVIAT PERTI REPAI CUSTO TOTAI NOTE WERE HAULI ENGII	ION ADMINENT DE IR STATION OMER MANN L'TIME EN CHECKED I ED MAGNETONE MOUNTS ORIZED SI	NISTRAT TAILS OF N UNDER UNG/KOPNIC G184 INE WAS ( FOR COMPI D, ALTERI , IGNITIC	ANCE WITH CURRENT REGULATION OF THE FEDERAL FION AND IS APPROVED FOR RETURN TO SERVICE.  F THE REPAIR OR OVERHAUL ARE ON FILE AT THIS WORK ORDER # 231 DATE 4-30-92  SENTEHT A/C # N5813F TOT. TIME A/C 1843.6  3.6 SER. # L-24181-51A TOT. TIME A/C 1843.6  OVERHAULED TO FACTORY NEW SPECIFICATIONS. ALL AD'S LIANCE THRU 92-07. ENGINE WAS SUPPLIED WITH OVERNATOR, FUEL SYSTEM, GOVENATOR, FUEL & OIL HOSES.  ON HARNESS. PLUGS, AND STARTER WAS REPAIRED.
	AND	Y CITY EN ACCESSORY.		
	This liminaccessory, Ir connection we the purchase its employee in shed by Wisuant to WCI engines and atton, which Period').  WCE's liminaterials proparts or acceparts or acceparts or acceparts of accepted, handler the manufaction, F. A. A. A. ed and maint neglect or arplied or period accessories in ators, control.	cccssoav, INC.  IMITED WARI  Ited warranty certifuce ("WCE") with re- trith its repair or over indentified below shall be free from CE (and defects in a ccessories for a prevent shall occur mited warranty doe- wided by WCE caus ssories after the wa- tessories which hed, repaired, altere- turer's recommend- inworthiness Direct- turer's recommend- inworthiness Direct- turer's recommend- inworthiness Direct- surer's against ward of the commend- inworthiness Direct- surer's recommend-	icate is formal in the control of th	REPAIRED ONLY  STARTER  COMPONENT NAME  MANUFACTURER NAME  PIOD866  SERIAL NUMBER  Only the labor operations requested by the customer have been accomplished on this part. Windy City Engine assumes no liability of any nature for the performance, use or operation of this part due to customer not requesting complete spection and overhaul. Final inspection and repair must be done before release this part for service.  Pertinent details of the repair are on file at this repair station.  SIGNED Windy City Engine And Accessory, Inc.  5240 W. 63RD ST.  Chicago, IL 60638  312-735-2242  C.R.S. NO. WNYR881
- 1	other than W	ders due to overten	np, shock	iult of Improper assembly t or accessory will not ex- to the terms and conditions of the warranty certificate.

SUB-TOTALS this page

ige No.	w.			to the same of the
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/6/92	1843.6	-0-	1843.6	Reinstalled Engine S/N L-24181-51A
				AFTER Of By Windy City Engines in
				Chicago. Il. using New Engine Mounts
				AND Hoses. Installed TAS100-03
				S/N 18881 TANIS PREheater system
				Replaced induction Air Filter.
				Serviced Engine with 8gt Aces
				Shell Now detergant oil And vew
		•		Filter. RUN ENG FOR LEAK cheek
				AND NECESSARY Adjustments made
				At this time. I Ceeticy that this
31.627				Engine has been inspected in
-				Accordance with AN ANNUAL INSPECTIO
-				AND WAS FOUND to be IN AN AIRWORT
<u>,</u>				condition at this time
				June Span
				/ ITA2040258
5/31/92	1869.1		1869.1	oil - Siller change
				893" ano shul was detergent oil a new fell
8				Stew Kruyshruht
7/7/112	1901-1		1901.1	oil - Silha change
_				Sets surshell wondehunt oil - new July
				Sto surshell wordshipert oil - new Julin Stime Kungshnukt.
				SUB-TOTALS this page

	TOTAL TIME	TOTAL TIME	TACH OR RECORDING		DESCRIPTION OF WORK PERFORMED—
PATE PARE	IN SERVICE	SINCE OVERHAUL	METER TIME	S	IGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS br	ought forward from previous page
8-17-92		86.2	1929.8	Oil	hange and filter, cut filts
				open.	to check for metal OK
				Compr	essión Les 1,78 2,74 3,74 4,76
Ħ	244 c	el let	with or	1. BZ	ton 2 of plus drah.
#	3 cyl u	sees ou	lave.	stud la	raking oil. al drain valve
.0	caking	oilne	eds n	ew Or	in installed # / cyl wall shas
ap	atch l	h aera	oncy	Pwell,	The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aylarion Peguiatiens and was found
					signed for retains to service for
				1	Kenosna Aero, Inc., Certificate No. KABR 076A
7-20-92		86.8	1930.4	Romoi	ed all cylinders & deglage, Jean
			deing	pester	+ fuel noggles, clarge ail
				aurak	all (79ts) non-detergent, replace
				O-ring	quick chain Ground sun la
				clack,	for leeks. None found
				(	Some malone
					Windy City Engine and assessing Inc.
					WN YR 881K
					ř
					3
				SUB-TOT	ALS this page
				TOTALS-	-Carry forward to next page

Page No TOTAL TOTAL TACH OR RECORDING METER TIME IN SERVICE DATE DESCRIPTION OF WORK PERFORMED-SINCE SIGNATURE & CERTIFICATE NO OF PERSON PERFORMING WORK OVERHAUL TIME 2061.8 218.6 204.8 TOTALS brought forward from previous page FOR: DATE THE ARCRAFT COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL
AVIATION AGENCY AND IS APPROVED FOR RETURN TO SEPTEMENTATION MEMORY AND IS APPROVED FOR RETURN TO SEPTEMENTATION UNDER
NENT DETAILS OF THE REPAIRABLE ON FILE ATTHUS REPAIR STATION UNDER
THIS ORDER NO. REMARKS: OVERHAULED & TESTED PART NAME FUEL PUMP AERO ACCESSORIES INC. SERIAL NO. PART NO. (919) 449-5054 • (800) 822-3200 • Telex: 9102400614 FAA Cert Rep. Sta. No. YV4R688M Gibsonville, NC 27249 MODEL MANUFACTURER AC/LYCOMING 1240 Springwood Church Road ACCOMPLISHED BY: SERVICEABLE PART W 6 000 WALL FAA-RPMN # 2417124

	TOTAL	TOTAL	TACHOR	Page No HD
DATE	TIME IN SERVICE	TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
	e <u><i>4-i1-</i>94</u> 1			NU. CONICO Lett.
- 10	ertify this	powerplant,	acintocologis h	tot compliance militare
Ins	pected acce pection and	rding to a	nined to h	Inspection check list & portion
WO	thy condition	n. Total T	me 387.	7 CAACH TOPAIT OIL THE AL LINE AGENCY LINES WORK
				2.401 1102
Con	pression	n test	: 1	30, 2.7%, 3. 780, 4. 7%. Changed oil filter
add	ed 89	Ts. Mol	il On	e. Cut open old Filter no metal found.
732	12	アナ	Tuel	injector lines by inspection, next due
R	1 1 -	- 115 all	ed ne	w fuel injector line on #3 cylinder.
riep	iaced 1	NO EX	haust b	olts. Replace oil dvain hose on #1
R	inder.	Nepla	eed b	affle spring on #1 and #3 cylinder.
140	up and	x lear	Cuec	k good.
		•	The air	craft and/or component identified above
			was rep	alred and inspected in accordance with
			airworth	Federal Aviation Regulations and was found by for return to service.  Muc Last C. Mar Charles
			Signed	Michael Milling for
			Kenosh	a Aero, Inc., Certificate No. KABR 076A
-				A Committee of the contract of
7-11-94	Hobbs	2275,1	Chang	red ADPA and Filter, added 8ets Mobil AVI.
		Cuto	pen o	good. The aircraft and/or component identified above
		leak	check	good. The signal angles component identified shove
				I was repaired and inspected in accordance with
				airworthy for return to service. Signed Michael C. Wickley for
				Kenosha Aero, Inc., Certificate No. KABR 076A
8-5-94	Hobbs	23/7.3	Clean	ed Fuel injector nozzles, and installed
			one ne	w spark plug.
			The aircr	aft andles com-
			was repair	ired and inspected in accordance with
			airworthy	for return to service.
L			Kenosha A	ASUBITOTALS HIRE 1990. KABR 076A
L				76TALS—Carry forward to next page

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

**KENOSHA AERO** 9420 52nd Street Kenosha, WI 53144

9-29-94 N5813F

414-658-2025 FAX 414-658-0295

Hobbs: 2339.0

Engine Log Book Insert

Removed #2 cylinder spark plugs, cleaned and tested. Checked leads and cleaned. Run up checks good.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found signed Thicker Spicely,

Kenasha Aero, Inc., Certificate No. KABR 076A

Date 4-26-75 Indicator 2 409 Phre on 12 6/20 A.D. conformity checked through card
Date 426 95 Indicates 2409.3 hrs on Hobbs A.D. conformity checked through card No. 95-8 M Service letters checked
certify this powerplant, has been for compliance through
inspected according to a annual Inspection check list & pertinent details of
Inspection and was determined to be in air:
worthy condition. Total Time 565,7 SMOH
Compression test: 170, 269, 370, 469 Cleaned and gaped
spark plugs. Cleaned fuel injector nozzles. CIWAD
78-9-7 R3 Impulse Coupling, by inspection, next due 2909.3
lightened all rocker cover sevens. Installed one battel
spring on right side. Repaired atternator wive, Changed
oil and filter, added 8 to 15 wso Acroshell. Cut open old
Filter no metal found Repositioned The aircraft and/or component identified above was repaired and inspected in
Tail pinge Rugues and leak check current Federal Austream accordance with
good, alrworthy for return to service.  Signed Michael Conclude
SUB-TOTALS this page Kenosha Aero, Inc., Certificate No. KABR 076A
TOTALS—Carry forward to next page

DATE  TOTAL TIME TIME SINCE OVERHAUL  TOTAL TIME SINCE OVERHAUL  TOTAL TIME SINCE OVERHAUL  TOTAL TIME SINCE OVERHAUL  TOTAL TIME SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WO  TOTALS brought forward from previous page	DV
TOTALS brought forward from previous page	nn
Date 5 / 96 Indicates 2500 Characteristics and 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Date 5-1-96 Indicates 2500, ohrs on Holobs. No. 96-861 Service letters checked	
t certify this powerplant, stateme has been for compliance through inspected according to a 165 per annual inspection check list & pertinent details of	
Inspection and was determined to be in air:  Inspection check list & pertinent details of repair on file at this agency under work.	
worthy condition. Total Time 656.4 SMOH order to 10960	
Compression test: 174, 276, 374, 474, Cleane dana	/
gaped plugs. C/W AD93-2-5 Fuel Injection lines,	
inspection due 2600, Runup and leak check good.	
Was repaired and inspected in accordance	
current Federal Aviation Regulations and was found Signed	
Tuckeel Come fi	
Kenosha Aero, Inc. Construction	
Kenosha Aero, Inc., Certificate No. KABR 076A	
0-17-96 Tack 2512.3 Oil change and fulter, cut	<b>-</b>
felter open to sheet for Metal OK aslow 8 gt 15 WSO.	
Se plu coll metting that	
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Chance and collect flugs, clother feet noffeet	
The pircraft and/or component identified above	
I was remained and inspected in accordance with	
current Federal Aviation Regulations and was found all worthy for return to sen (25-	
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Kenosha Aero, Inc., Certificate No. KABR 076A	
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Page No. He TACH OR TIME TIME RECORDING DATE DESCRIPTION OF WORK PERFORMED-SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TIME TOTALS brought forward from previous page 5831F **KENOSHA AERO** 9420 52nd Street HM 2587.7 Kenosha, WI 53144 414-658-2025 FAX 414-658-0295 9-23-97 Engine Log Book Insert O'l change and filler, cut filler open to check for metal OK affeld 8 gt 15 w 50 o'l, O'l sample taken. Washed and test run engine, cleck for leaks OK. Repaired wiring on CHT system. The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found alloworthy for return to service Signed\_ Kenosha Aero, Inc., Certificate No. KABR 078A 5831F **KENOSHA AERO** 9420 52nd Street Kenosha, WI 53144 HM 2587,7 414-658-2025 FAX 414-658-0295 Airframe Log Book Insert 9-23-97 25 HP inspection, added water to battery. Remitabled Leadrest on left seat. The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation) Regulations and was found ainworthy for feturn to serve Signod. Kenosha Aero, Inc., Certificate No. KABR 076A

TOTAL TOTAL TACH OR TIME TIME RECORDING DESCRIPTION OF WORK PERFORMED— DATE IN SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TIME TOTALS brought forward from previous page **KENOSHA AERO** N5813F 9420 52nd Street 10-1-98 Tach 2631,9 Kenosha, WI 53144 414-658-2025 FAX 414-658-0295 Airframe Log Book Insert Replaced Vacuum pump 21/cc \$1,9AN-869 and love from pump to firewall. New Pump, Vacuum cleaned systems befor installing new pump. The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return 18/50 via

dry air

product tallation, fications properly octioning the prior stributor, 444035.

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Signed\_

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Kenosha Aero, Inc., Certificate No. KABR 076A

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### AIRBORNE DRY AIR PUMP WARRANTY

#### AIR PUMPS

Parker Hannifin Corporation, Airborne Division, (Airborne) warrants that all dry air pumps shall be free from defects in material and workmanship under normal use and service until the earlier of: (1) one year after the date of installation on the aircraft or, (2) the following hours of airframe time occurs:

211 and 212 Series	.1,000	hours
240, 440 and 840 Series .	400	hours
Auxiliary Pump	500	hours
Clutch Pumps		houre

#### CONDITIONS:

The warranties stated above are valid if, and only if, the following conditions are met: (1) the product shall be installed into the aircraft within 24 months of the date of product manufacture; (2) installation, maintenance and operation of the product shall have been in accordance with the specifications and instructions provided by Airborne; (3) the warranty claim, with all requested information properly supplied, has been returned to Airborne within 30 days of the date of removal of the malfunctioning product from the aircraft; (4) no substitute parts shall be installed in the product without the prior authorization of Airborne. Any claims under this warranty should be made through the distributor, freight prepaid, to Parker Hannifin Corporation, Airborne Division, 711 Taylor Street, Elyria, OH 44035.

#### LIMITATIONS AND EXCLUSIONS

This warranty shall not apply to any product(s) which shall have been disassembled, repaired or altered outside the Airborne Service Department unless express prior written authorization was granted; nor shall this warranty apply to any product that has been subjected to misuse or accident unless proof is submitted to the satisfaction of Airborne that such misuse or accident was not a cause for the claimed defect.

THE SOLE RESPONSIBILITY AND LIABILITY OF AIRBORNE AND THE EXCLUSIVE REMEDY UNDER ANY CLAIM ARISING OUT OF, CONNECTED WITH, OR RESULTING FROM, THIS SALE OR THE PERFORMANCE OR BREACH OF ANY CONDITION OR WARRANTY THEREUNDER, OR FROM THE MANUFACTURE, DELIVERY, OR USE OF THE PRODUCT SHALL BE THE REPAIR OF, REPLACEMENT, OR CREDIT FOR THE DEFECTIVE PRODUCT AT AIRBORNE'S OPTION.

IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL AIRBORNE BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PENAL DAMAGES OR EXPENSES INCLUDING BUT NOT LIMITED TO LOSS OF PROFIT, GOODWILL, OR REVENUES, LOSS OF THE USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, DAMAGE TO ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES OR SERVICES, DOWNTIME, COSTS ASSOCIATED WITH PRODUCT REMOVAL OR REPLACEMENT, OR COST OR CLAIMS OF THIRD PARTIES FOR SUCH DAMAGES OR EXPENSES.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OR REMEDIES WHETHER WRITTEN, ORAL, IMPLIED OR STATUTORY. ANY AND ALL IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF DEALING OR USAGE OF TRADE ARE HEREBY EXPRESSLY DISCLAIMED AND EXCLUDED.

Acceptance of this product shall constitute acknowledgment and acceptance of the terms, provisions, limitations and exclusions set forth herein. Such terms, provisions, limitations, and exclusions shall not be modified, deleted or supplemented except by an express written acknowledgment of Airborne.

,			
Owner Steve Koenigsknecht	Aircraft Tach Time	631.9	SI300-11
Aircraft Make Mooney	Model # M 307	Registration # 5	
Pump Model # 211CC Installing Facility Name Kenosha Re- (Tear Al	Pump Serial #	Date 19	1,98
Installing Facility Name Kenosha Re-	Signature	fack Kit	ter
(Tear A	long Dotted Line) 🗾 🖋		

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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	Indicate			
1 certify	this powers	lant, attite	our enaugh	
Inspection	n and was	determined	to be ill a	Inspection check list & pertinent details of repair on file at this agency under work
world (	condition. To	dal Time	1 10115	
1/ESMOR	4 857.9 Th	SMORZI	lik	It litter open to ched for metal OK,
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dine	none	ano si	W hat	Tister all mounting both on governo?
cond	Maria	Cleane	I and	realoud gasket on brackett air filler.
Laws	and here	May a	AUDE O	and had tested OK Cleaned and gaped
Signi	of slip	Cor	nuresse	intes 1, 80 2, 80 3, 80 7, 80
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0.0	10 mule -	Token	0	
1000	and .	الماد ومدر ال		converse and sens
		100 100 12	1	The aircraft and/or component identified above
		-		was repaired and inspected in accordance with current Federal Aviation Regulations and was found
				Signed Accord Bridge for
	-	-	-	Kenosha Aero, Inc., Certificate No. KABB 076A
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mi	TILOK	Class 8	gt 15 W:	ov w. samples our states
chia	her for li	app.		The aircraft and/or component identified above
	/			wife required and inspected in accordance with
				current Foderal Aviation Regulations and was found airworthy for return to service for
				Signed // // // for tor
	-			Kenosha Aero, Inc., Certificate No. KABR 076A
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	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
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		1.	airw	worthy for return to service. Author for	
31	1100 3		Ken	osha Aero, Inc., Certificate No. KABR 076A	1
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r <sub>e</sub> ×	115.31	in B	of the Cons	The aircraft and/or component identified above	
				was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for feturn to service.  Signed for	
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
Date 4	COL Indica	tes2786.11	rs on _	A.D. conformity checked through card
1 certify	this power	plant, a	has be	en for compliance through
	d according on and was		to be in	inspection check list & pertinent details of
worthy	condition. I	otal Time_	2786.1	repair on file at this agency under work
	рн 942.6	TIP	2786.1	11PS MOH 35817
Compr	ession	lest /10	80 di	30 3, 50 7, 80 ail change and filter out
fillion	open to	checkf	37. meta	OK added Sof Bw5Doil. Oil sampled,
SWHO	93-9-5	Fuel is	yection	lines by inspection, next due annua, 100 HR, removed
Keplan	of sport	plus.	RHM3	SE, Replaced #2 cylrocker cover gasht and
tighter	oildo	ain tub	litting	Lighten #4 rocker cover screws, adjusted
Druss o	on trol	Non	d high	and the state of t
0 0	Or Care (	Com	- gue	mygres (
				The aircraft and/or component identified above
				Current Federal Aviation Regulations and with
				signed Author for
				Kenosha Aero, Inc., Certificate No. KABR 076A
1 7 1	9.773		- 2- 4	
0-13-01	278,5		278,5	The same and a provide a p
	2		Check	zed May timing to engine, leads,
and of	eaned o	and say	ned pla	The aircraft and/or component identified above was repaired and inspected in accordance with
	`			current Federal Aviation Regulations and was found
				Signed Hack for for
				Kenosha Aero, Inc., Certificate No. KABR 076A
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for mo	tol OK	- 1		USD oil. Oil sampled. Cleaned and gazed class
4/	0.1.	7.4	9	1 1 1 1 1 1 1
y esser s	cana, c	iss su	mand	Check for liers.
				The aircraft and/or component identified above was repaired and inspected in accordance with
				Signed
				SUB-TO KENNSDA AGEO, Inc., Certificate No. KABR 076A
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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		CA AND DESCRIPTION OF THE PERSON OF THE PERS	TALLER STATE OF THE PARTY OF TH	THOUSE THOUSE
1 - action	and was u	RIGHHHHCA .	0 00	repair on file at this agency under work
worthy col	dition. Tota	Time		order No.
			1	
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compre	pacon 1	0 0 1	2001.80	3, % 4, 80 Tighten clamp on #3 cyl.
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_mel	1	Ou sa	+ 00 1	on the other side of orm, Replaced bapple
root	enor a	no in	yallo o	O a lall a 'the state of
spri	no on t	H side	of even	e, Replaced Starter with OH. und, from
11 11	10,0	110	1 01	1 12 Man S. 6A000054.
11/00/4	ilo auro	rape (loc	essorie	Inc. 112 4922 S/ 6A000054.
/		1		
				The aircraft and/or component identified above
		-		was repaired and inspected in accordance with current Federal Aviation, Regulations and was found



Modified Aircraft Accessories

800 Brooks Forrest Rd. Brooks, KY 40109 Repair Station #MO6R900.J

Preliminary Inspection:



Work Order <u>5693</u>

(502) 957-6312 (800) 605-2113 Fax: (502) 957-6217

CUSTOMER INI	FORMATION
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С	USTOMER INFORMATIO
Customer:	Konosha, WI
Date Received	d:
Date Repaired	1: 04-04-

. )		000
4-	13 Remarks S	EE WORK
	Limited Life parts must l	be accompanied by maint
		ry overhauled part(s) identified a contenue with FAA approved
_		y shed the special requirement
_	15. Signature	

AIR WORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration			567	31
orrest Road 0109		S W	ore Order, Contract, or Invoice Nur 56,93	3
8. Part Number	9 (lighting	10 Quantity	11. Serial/Batch Number	12. Stafus/Work
MZ-4222	V	2	6A000054	NEWLY
DER / NEWLY OVERHA	ULE	D 8	CERTIFIED	
	ust Separtment of Transportation Federal Aviation Administration aft Accessories Inc. prrest Road 0109 000J  Part Number  MZ-4222	US Department of Transportation Federal Aviation Administration aft Accessories Inc. Direct Road 0109 000J  B. Part Number 9 0400 V RDER / NEWLY OVERHAULE	US Department of Transportation aft Accessories Inc.  Direct Road 0109 000J  B Part Number 1940 10 10 10 10 10 10 10 10 10 10 10 10 10	S Department of Transportation Federal Aviation Administration  aft Accessories Inc.  S Work Order, Contract, or Invoice Nur  S OPTION OF THE STATE

**FAA FORM 8130-3** 

is that the new or newly overhalized partity (partitional above, except his overhims systematic broken to relay manufactures in a contemporare with PAA approved design data and alterofitmess.  In case of partition and the special requirements of the importing country have been met.		19 Return to Service in Accordance with FAR 43 9 Certifies that the work specified in Abock 32 (or attached) above was could in accordance with FAR Almyophines pagalitions and in respect twork period the partie) is (arphyspophys) for return to service				

JAMES SCHREINER \*(Optional) Installer must cross check eligibility with applicable technical data FAA Form 8130-3 (11-93)

TACH OR TIME TIME RECORDING DESCRIPTION OF WORK PERFORMED-DATE SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TIME **Engine Logbook Entry** KENOSHA AERO, INC. Kenosha, WI 53144 AIRCRAFT: 5813F H.M. 2886.3 DATE: 8-19-02 Drained oil. Removed filter. Cut filter open. OK. Installed 8 qts. 15W50 ,CH48103 filter. Safetyed. Installed sticker. Ran A/C check for leaks. Washed engine. Took oil sample. Aired all tires The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation regulations and was found airworthy for return to service. Signed for Kenosha Aero, Inc., Certificate No. KABR076A **Engine Logbook Entry** KENOSHA AERO, INC. Kenosha, WI 53144 AIRCRAFT: 5813F H.M. 2909.8 DATE: 1-8-03 Drained oil, removed filter. Cut filter open, check for metal OK. Installed 8 quarts 15W50 oil and CH48103 filter. Safetyed. Ran leak check, OK. with current Federal Aviation regulations and was found airworthy for return to service. Signed for Kenosha Aero, Inc., Certificate No. KABR076A

The aircraft and/or component identified above was repaired and inspected in accordance

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			SUB-TOTALS this page
			TOTALS—Carry forward to next page

Date H-1-03 Indicates 27/3,7 hrs on HM  I certify this powerplant, sixframe has been inspected according to a too how annual Inspection and was determined to be in airworthy condition. Total Time 29/3,7  TESMOH 1070,1 TIPSMOH 486,3  Compression Test 1, 30 2, 73  No Oil change, Replaced to Cleaned and Saped spark pl Cleaned and Saped spark pl Cleaned fuel strainer and reference for leak	A.D. conformity checked through card  No. 03-611 Service letters checked  for compliance through  Inspection check list & pertinent details of  repair on file at this agency under work  order No. 13010  Brackett air Filter.  Luss, Checked Mag Tining,  einstalled with new yaskits.
	The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Francisco and was found airworthy for return to covid for for Kenosha Aero, Inc., Certificate No. KABR 076A

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## Engine Logbook Entry KENOSHA AERO, INC Kenosha, W 53144

AIRCRAFT: 5813F

HM: 2041.9

DATE: 7-27-04

Oil change. Drained oil, removed filter, cut filter open, check for metal, OK. Installed 8 quarts 15W50 oil and CH48103 filter. Safetyed. Took oil sample. Aired up tires.

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation regulations and was found airworthy for return to service.

Signed Jack & Kultu

\_\_\_ for Kenosha Aero, Inc., Certificate No. KABR076A

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The electric and/or component identified above the service of the

		Page No. Je
DATE TIME IN SERVICE	TOTAL TACH OR TIME RECORDING SINCE METER OVERHAUL TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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check for	melal ax ad	ded 8 gt 15 ws0, Ow sample,
checked CIT	probe term	not Test run and cheat for lesker
Installed	new master	switch and voltage hig.
		The aircraft and/or component identified above
		was repaired and inspected in accordance with current Federal Aviation Regulations and was found
		Signed for restore to service for
		Kenosha Aero, Inc., Certificete No. KABR 076A
		A. D. conformity checked through card No. 05-8M Service letters checked
certify this por	werplant, <del>airfrome</del> has ing to a little habr ann	heen for compliance through
Inspection and w	vas determined to be i	n air-
worthy condition.	Total Time 3048	order No. 13566
Compression hiller onen	to check for so	303, 504, 50 On change and feller, cut
Stop dulled	work in left for	ont baffle, tighten 244 oyl oil drawn connectors.
Keaned and	Saped spark p	The aircraft and/or component identified above
		was repaired and inspected in accordance with current Foderal Aviation Regulations and was found
		ainverting for regulary to service
		Kenosha Aero, Inc., Certificate No. KABR 076A
		Nonesta Asio, mo., Certificate No. RABH 076A
Those Ly	oning Mundal	on Service Bulletin # 566 regarding
	ne shy + rumava	I for IO 360-A336A munifordured
des	wit ourhou	aled or suprimed of the March 1, 1999
do	SOL TON OF	14. Engine for N58131=
42		81-51A overhaulted 4/30/92.
·		the Kylins
		OUR TOTAL Cabin and
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## **Engine Logbook Entry** KENOSHA AERO, INC Kenosha, WI 53144

AIRCRAFT: N 5813F

HM: 3070.9

DATE: 8-5-05

Oil change. Drained oil, removed filter, cut filter open, check for metal, OK. Installed 8 quarts 15W50 oil and CH48103 filter. Safetyed. Aired up tires. Siliconed Tanis plug. Took oil sample. W/O # 13641

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation regulations and was found airworthy for return to service.

for Kenosha Aero, Inc., Certificate No. KABR076A

**Engine Logbook Entry** KENOSHA AERO, INC Kenosha, WI 53144

AIRCRAFT: N 5813F

HM: 3090.6

DATE: 11-3-05

Oil change and filter. Drained oil, removed filter, cut filter open, check for metal OK. Installed 8 guarts 15W50 oil and CH48103 filter. Washed engine, test run and check for leaks. Oil sample taken. Checked tires, battery, lights and brake fluid. W/O 13691

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation regulations and was found airworthy for

for Kenosha Aero, Inc., Certificate No. KABR076A

3/20/06 Lycoming Service Bulletin 569 Engine onethnul Inst done \$150/92

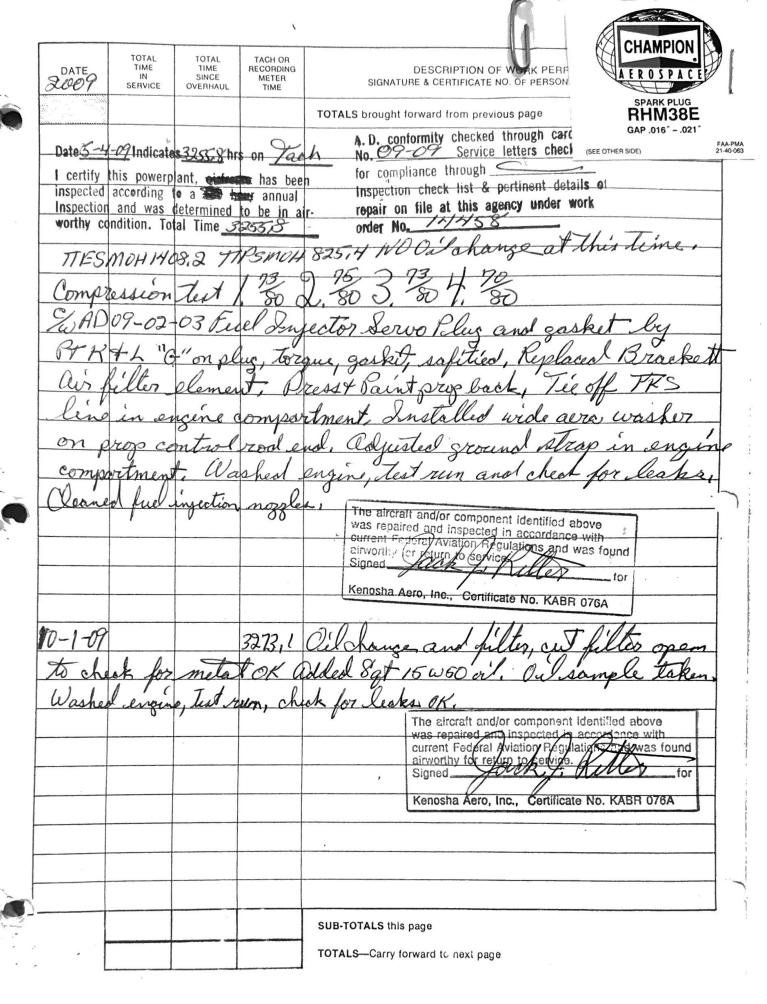
DATE	TOTAL TIME IN SERVICE	TOTAL TIME R SINCE OVERHAUL	TACH OR ECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
l certify	this powerp	lant, and has determined to tal Time 3/0	has been annual be in air	Inspection check has a positive
Compare Cut of two Replacements	of 120 litter of oil s reed I	9,8 7 Cest / sen to comple cracked envine # 3 in	TPS MC Check Replant Warr Comp take	por metal or Odded 8 gt 15 w50 and fuller; for metal or Odded 8 gt 15 w50 and fuller seed 143 CHT probes with new fuller element and all orlapseleve. The stand tighten and fires leve. The sheet and tighten all orlapseleve.
for	leaks.	clamy	125. W	The aircraft and/or component identified above
				was repaired and inspected in accordance with current Federal Aliation Regulators and was found airworthy for feture to service Signed Tor  Kenosha Aero, Inc., Certificate No. KABR 076A
		-		Engine Logbook Entry  KENOSHA AERO, INC  Kenosha, W 53144
-	-	AIRCRAFT:	N5813F	HM: 3126.2 DATE: 8-4-06
		Oil change a oil and CH48	and filter. Cut 3103 filter. T ck for leaks (	t filter open, check for metal OK. Installed 8 quarts 15W50 Shell ook oil sample. Aired up tires and tifhtened oil pan bolts. Test OK. W/O#13854
		The aircraft accordance return to se	with curre	nponent identified above was repaired and inspected in int Federal Aviation regulations and was found airworthy for  for Kenosha Aero, Inc., Certificate No. KABR076A
	P <sub>ret</sub>			
10/26/	26 314	8.9 01	ychang	10 Filmchuktok 8 Ut 15/50 Shell
- /	and	wew i	-ilwi	nystalled
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				TOTALS—Carry forward to next page

Date 5-4-07 Indicates 3/638 hrs on lack HM  I certify this powerplant are has been inspected according to a samual inspection and was determined to be in airworthy condition. Total Time 3/63, 8  worthy condition. Total Time 3/63, 8  TES MOH 13202 TIPS MOH 736, 4  Complession Lest / 76 2 72 3, 750 4, 72  Complession Lest / 76 2 72 3, 750 4, 72  Complession Lest / 76 3 72 3, 750 4, 72  Complession Lest / 76 3 72 3, 750 4, 72  Complession Lest / 76 3 72 30 3, 750 4, 72  Complession Lest / 76 3 72 30 3, 750 4, 72  Complession Lest / 76 3 72 30 3, 750 4, 72  Complession Lest / 76 3 72 30 3, 750 4, 72  Complession Lest / 76 3 72 30 3, 750 4, 72  Complession Lest / 76 30 72 30 30 750 750 750 750 750 750 750 750 750 75
Ta ADO2-36-01 Fiel Injection Lines by inspection next due 5-08 3263.8 Removel. On change and filler, cut filly open to check for metal Colded of 15650 oil and sample. Fighter all oil return line hosey clamps. Replaced engine Vacuum pump & AH3215CC 95143601 Replaced recker cover gasket on # Hayl.
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return is sented.  Signed for Kenosha Aero, Inc., Certificate No. KABR 076A  Northwinds aviation 1306 Gehaling
Found loose wire on a HT probe, Tighten Terminals.  The aircraft and/or component identified above was repaired and inspected in/accordance with current Federal Aviation Registation and was found airworthy for return to september 4. for Kenosha Aero, Inc., Certificate No. KABR 076A
11/15/2 wenterly 12635 Axc now maren Solenois PN 60414105 TT 3202.4

4-15-08 Charget vil + Filtal. Instelled 8 by Accord 15w50 and new CH48103-1
Filtell. Cut + Instelled old Filtal contents Ober o.K. Ground RAN. No leaks
Noted. Re Place that HE + mixture Heim 20 m/s with new mooney PN 660051-1005
Kits. Packed A61 477781355

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			0	TOTALS brought forward from previous page
Nata 5-16-0	<b>⊗</b> 1ndicates	3917, Chrs	on Taas	A. D. conformity checked through card  No. CS Service letters checked
I certify the inspection worthy co	ris powerpla according to and was de addition. Total	etermined to Time 32	has been annual be in air	for compliance through
Tush Jugh		Sampu	lac by	
Con	fress	son !	lest ne	1,80 d, 80 0, 80 1, 80
	12, 200	A		The aircraft and/or component identified above was repaired and inspector airwards found airwards for Kenosha Aero, Inc., Certificate No. KABR 076A
Star	tor was	replace	d	3252.6 Hr.
				MAINTENANCE RELEASE
				10-
				0 110
			NO	2 4222 MFG.: Prestolite  № REPAIRED № TESTED □ INSPECTED □ FUNCTIONAL TESTED
		The curr	Aircraft corent regulation the	mponent identified above was repaired and/or inspected in accordance with ions of the Federal Aviation Administration and is approved for return to work performed. Pertinent details of the repair are on file at this repair ork order #
		OWN	ER: North	winds Aviation DATE: 4-15-09 SIGNED FOR: Bolit C. Bejs
				PALB ACCESSORY SERVICE 971 Babbitt Avenue • Addison, Illinois 60101-1221

FAA Approved repair station # KB2R946K



DATE	TOTAL TIME IN	TOTA TIME SINC OLERHUUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	SERVICE	O ERH OC		TOTALS brought forward from previous page
Date 3-/-/	<b>O</b> Indicates	3300,9 irs	VII Tac	A. D. conformity checked through care
			e has been	No. 10 -8 Service letters checked  for compliance through
nspected a	coording to	a 100 hou	r annual	Inspection check list & pertinent details of
nspection a	ind was d	etermined to	be in air	repair on file at this agency under work
vortny cond	lition, lota	Time_3	SCI.	order No. 14652
TESMO	DH 145	3,3	172	71762 1169
maria	esseon	tost	1, 80	d, 30 0, 30 1, 30
5.00	yar.		1.11	cont letter own to shoot for metal ox
e che	ange	and	aller,	and the state of t
doed of	0		il da	mple, Lighten allrooker cover
screw	R, Tal	D08-14	1-07 Fee	el Injection dines dy inspection
next	lue 3	400,9/0	H/Remo	rod Coaned and gapes spark
Daia	1.6	ashoal	encir	estestrum and chart for leaks
rees	21 4	asion	engir	gress min levo con for xears
			TIF	ne aircraft and/or component identified above
			vva	as repaired and inspected in accordance with
			air	worthy for return to service,
				gned fact the for
			Ke	enosha Aero, Inc., Certificate No. KABR 076A
0-22-1	0 Hat	bs 33	32.8	Replace C. H. T. Probe P/N 3080-38
and	Po. 0	Te. # 1	40.0	1 . 0 . 5 . 1/
0 10 10	) per	1	ge	James Probeth AS 100 Kan Ale
Check	ed go	00		The girerest and/or compenent identified above
		Item numbe	- 1110000000000	current indered winds a squatations and was found
				Signal Lugar AV
	-]	Batch number	880010-503	TOP
		Tulliot)		Kenosha Aero, Inc., Certificate IC. KAER 076A
	1+	om nome	3026968-19	2525
	E	xpiry date	PROBE, (	CHT, 3080-38 ————————————————————————————————————
	P	icking location	n 250605	
1	1	1		
				SUB-TOTALS this page

TOTAL TACH OR RECORDING METER TOTAL DATE DESCRIPTION OF WORK PERFORMED-IN SERVICE SINCE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK OVERHAUL TOTALS brought forward from previous page ed calinders due to high oil consumption, A. D. conformity checked through caro Date551-// Indicates3348.2hrs on No. \_// \_// \_\_Service letters checked l certify this powerplant, 🛋 for compliance through \_\_\_ inspected according to a TO hour annual Inspection check list & pertinent details of Inspection and was determined to be in airs repair on file at this agency under work worthy condition. Total Time 3348 order No. The aircraft and/or component identified above was repaired and inespected in accordance with current Federal Aviation Plagulations and was found airworthy for return Signed SUBSPOTALES ABSORBURE., Certificate No. KABR 076A TOTALS-Carry forward to next page

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And the second	1000		1	Page No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
	5813F ATE: JUNI	E 1, 2012	TACH: 3397	
— To an Co Cl — Co en	ook oil samp d cut open of empression t eaned, gapp omplied with	ole mid drain old filter and test as follow ed, tested and AD 2011-2	and sent in for inspected for rs: (1) 78/80 and rotated span (6-04 by inspected for the following for the form of the following for the form of the fo	s date IAW FAR 43 Appendix D and Mooney inspection checklist, ats Phillips 20W50XC - added cam guard as per owners request. or spectro analysis. Replaced oil filter with Champion CH48103 contaminants - none noted.  (2) 78/80 (3) 78/80 (4) 73/80 Bore scoped cylinders. The plugs - installed with new copper gaskets. Verified mag timing. Section and AD 2012-03-06C (DNA). I certify that this aircraft loo hr inspection and has been determined to be in airworthy
M	ark A. Riege	lman AP20	556664IA	
T				
1/12	3416	. ٩	Starter	Rebuilt and installed aviation -
		worth.	shriw	aviation -
	Completed inspection of Camguard a analysis. Re okay. Comp Bore scoped plugs. Adjute exhaust syst tach time 3 DNA as per annual/100	shecklist. Dras per owner eplaced filter oression tests of cylinders - sted magnetotem - lubed s 717.6. Comparing rengine seria hr inspection	hr inspection of ained oil and as request. Too with Ch4810 as as follows: I no anomalies to timing to 25 slip joints with plied with AD al number. I can	this date IAW FAR 43 Appendix D and Mooney serviced with 7 qts Phillips 20W50XC, added ASL ok oil sample mid drain and sent out for spectro 13-1, cut old filter and inspected for contaminants - 1) 76/80 2) 78/80 3) 77/80 4) 76/80 s noted. Cleaned, gapped, tested and rotated spark of degrees BTDC. Replaced air filter and inspected in mouse milk. Magneto/impulse coupling due at 10 08-14-07 (fuel injector lines). AD 2012-19-01 sertify that this engine has been inspected IAW in determined to be in airworthy condition.
Drain as pe Repla for co analy	ned engine of rowners red aced filter wontaminants, sis. Post ma	oil and service quest. vith Champic, none noted	on CH48103. Took oil sar ak eheck oka	Cut open old filter and inspected
				SUB-TOTALS this page
			1	OTALS—Carry forward to next page

1.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORM	
				TOTALS brought forward from previous page	
	N58	B13F DATE	: JUNE 14, 201	14 TACH: 3456.6 ENG TT: 3456.6 TSO: 1608.6	
•1	Cam	cklist. Draine Iguard as pei	d oil and servi	date IAW FAR 43 Appendix D and Mooney inspection ced with 7 qts. Phillips 20W50XC, added ASL est. Took oil sample mid drain and sent out for r with Ch48103 and cut old filter and inspected –	
	okay Bord inst	y. Compressi e scoped cyli alled spark p	on tests as follonders with no lugs with new	ows: 1) 76/80 2) 75/80 3) 73/80 4) 75/80 anomalies noted. Cleaned, check gap, tested and copper gaskets. Checked mag timing – no	
	with per	n AD 08-14-0 eng s/n). I ce	7 (fuel injector	npulse coupling due at tach time 3717.6. Complied a lines). AD's current through AD 2012-19-01 (DNA as engine has been inspected IAW annual/100 hr nined to be in airworthy condition.	
		WardA	an AP265666	,	
	l l	N5813F D	ATE: OCT. 22,	2014 TACH: 3473.7	
	f	Camgurard as filter and insp	s per owners re pected – okay. '	th 7 qts. Phillips 20W50XC – added 12 oz. ASL equest. Replaced filter with CH48103 – cut old Took oil sample mid drain and sent in for equations of the check okay.	
	i	Mark A. Riege	elman AP2656	66641A	
	N5	813F DATI	E: JUNE 06, 20	15 TACH: 3480.5 ENG TT: 3480.5 TSO: 1632.5	
	che ——— Car	ecklist. Draine nguard as pe	ed oil and servi r owners requ	date IAW FAR 43 Appendix D and Mooney inspection iced with 7 qts. Phillips 20W50XC, added ASL est. Took oil sample mid drain and sent out for with Ch48103 and cut old filter and inspected –	
	oka , foll	y. Replaced i lows: 1) 70/8	induction air fi 30 2) 74/80 3	lter element with BA-6205. Compression tests as 3) 78/80 4) 78/80 anomalies noted. Cleaned, gapped, tested and	
	ins adj wit	talled spark j ustments ma :h AD 08-14-0	plugs with new de. <b>Magneto i</b> 07 (fuel injecto	copper gaskets. Checked mag timing – no mpulse coupling due at tach time 3717.6. Complied or lines). AD's current through AD 2012-19-01 (DNA as	
				engine has been inspected IAW annual/100 hr mined to be in airworthy condition.	
	Ma	1	AP265666		
				with 7 qts. Phillips 20W50XC – added 12 oz. ASL	
		filter and i	inspected – oka	rs request. Replaced filter with CH48103 – cut old —— ay. Took oil sample mid drain and sent in for aintenance leak check okay.	
.  -		Mark A. Ri	egelman AP2	656664IA	

N5813F DATE: JUNE 15, 2016 TACH: 3505.4 ENG TT: 3505.4 TSO: 1657.4	Page No
	2
checklist, Drained oil and serviced with 7 ats. Phillips 20W50XC, added ASL	RMING WORK
Campuard as per owners request Took oil sample mid drain and sent out for	
spectro analysis Replaced filter with Ch48103 and cut old filter and inspected –	
okay Compression tests as follows: 1) 73/80 2) 76/80 3) 72/80 4) 76/80	
Bore scoped cylinders with no anomalies noted. Cleaned, gapped, tested and	
installed snark plugs with new copper gaskets. Checked mag timing - no	
adjustments made Magneto impulse counling due at tach time 3717.6. Complied	
with AD 08-14-07 (fuel injector lines). AD's current through AD 2012-19-01 (DNA as	
per eng s/n). I certify that this engine has been inspected IAW annual/100 hr	
inspection and has been determined to be in airworthy condition.	
01/11/0//	
Marth X. V.	
Mark A. Riegelman AP2656664IA	
N5813F DATE: SEPT. 12, 2016 TACH: 351 <b>5</b> .3 ENG TSO: 1667	
Drained oil on a warm engine and service with 7 qts. Phillips 20W50XC.	
Added 11.2 ounces of ASL Camguard as per owners request. Replaced filter	
- 11/10//	
Mark 1. Keek	
Mark A. Riegelman AP26566641A	
N5813F DATE: JUNE 1, 2017 TACH: 3524.4 ENG TT: 3514.5 TSO: 1666.5	
Completed annual/100 hr inspection this date IAW FAR 43 Appendix D and Mooney	
inspection checklist. Drained oil and serviced with 7 ats. Phillips 20WEOVC	
As Calligual u as per owners request. Took oil sample mid drain and sont out for	+
spectro alialysis, Replaced filter with (h48103 and cut old filter and increased	200
okay. Compression tests as follows: 1) 77/80, 2) 78/80, 2) 77/90, 4) 76/90	
Bore scoped cylinders with no anomalies noted. Cleaned, garned based as	
installed spark plugs with new copper gaskets. Checked man time	
adjustments made. Magneto impulse counting due at teah time 2747 c	
William OU IT-U/ (IUCI IIIIC(IO) IIIIC(IO) IV replacing adal alamana at #2.0 #2.	
pushrod tubes. Replaced alternator with P/N, ALV 0520 C (N. P244000 C.	
current through AD 2012-19-01 (DNA as per one of a large of a larg	
been inspected IAW annual/100 by inspection and the certify that this engine has	
airworthy condition	
0.1 11/1/	
Wash Lav	
Mark A. Riegelman AP26566641A	
V5813F DATE AUG 24 2045	
DATE: AUG. 24, 2017 HOBBS: 35 27.5	
Replaced exhaust tail nine with not	
Welding - installed with page 18. A630119-501 from Aerospace	
N: 360010-503. Post maintenance run up normal	
(n), $(n)$	
Matk A. Kiegelman AP26566641A	
	.4
SUB-TOTALS this page	
TOTALS—Carry forward to next page	
The same of the sa	Completed annual/100 hr this date IAW FAR 43 Appendix D and Mooney inspection checklist. Drained oil and serviced with 7 qts. Phillips 20W50XC, added ASL Camguard as per owners request. Took oil sample mid drain and sent out for spectro analysis. Replaced filter with Ch48103 and cut old filter and inspected okay. Compression tests as follows: 1) 73/80 2) 76/80 3) 72/80 4) 76/80 Bore scoped cylinders with no anomalies noted. Cleaned, gapped, tested and installed spark plugs with new copper gaskets. Checked mag timing – no adjustments made. Magneto impulse coupling due at tach time 3717.6. Complied with AD 08-14-07 (fuel injector lines). AD's current through AD 2012-19-01 (DNA as per eng s/n). I certify that this engine has been inspected IAW annual/100 hr inspection and has been determined to be in airworthy condition.  Mark A. Riegelman AP2656664IA  N5813F DATE: SEPT. 12, 2016 TACH: 35153 ENG TSO: 1667  Drained oil on a warm engine and service with 7 qts. Phillips 20W50XC. Added 11.2 ounces of ASL Camguard as per owners request. Replaced filter with CH48103-1. Cut old filter and inspected – okay. Took oil sample mid drain and sent in for spectro analysis. Post maintenance leak check okay.  Mark A. Riegelman Ap2656664IA

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED—	)
)·		N5813	F DATE:	SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK  OCT. 4, 2017 TACH: 3515.4	
		+-			
		- Campu	d oil and ser	viced with 7 qts. Phillips 20W50XC – added 11.5 oz. ASL	
1		inter ar	iu inspected	owners request. Replaced filter with CH48103 – cut old l – okay. Took oil sample mid drain and sent in for	
N/		spectro	analysis. Po	ost maintenance leak check okay.	
		- 111	and he &		
		Mark A	Riegelman	AP26566641A	
-		N5813F D	ATE: JUNE	2, 2018 TACH: 35#9.2 ENG TT: 3549.2 TSO: 1701.2	
		Completed a	nnual/100	hr inspection this date IAW FAR 43 Appendix D and Mooney	
		inspection c	hecklist. Dra	nined oil and serviced with 7 qts. Phillips 20W50XC, added	
				vners request. Took oil sample mid drain and sent out for ed filter with Ch48103 and cut old filter and inspected –	
				as follows: 1) 78/80 2) 79/80 3) 79/80 4) 79/80	
	_	Bore scoped	cylinders w	rith no anomalies noted. Cleaned, gapped, tested and	
		installed spa	irk plugs wit	th new copper gaskets. Checked mag timing – no	
		with AD 08-	made. Magi 14-07 (fuel i	neto impulse coupling due at tach time 3717.6. Complied njector lines) by visual inspection. AD's current through AD	
		2017-16-11	(DNA as per	eng s/nj. I certify that this engine has been inspected IAW	
		annual/100	hr inspectio	n and has been determined to be in airworthy condition.	
		Man	1/1/		
		Mark A. Rieg	elman AP2	656664IA	
	N.=	0400 0400			
	N5	813F DAT	E: OCT.18, 2	2018 TACH: 3557.4	
	— Dra	ined oil and	serviced wit	h 7 qts. Phillips 20W50XC - added 11.5 oz. ASL	
	Car	ngurard as pe	er owners re	equest. Replaced filter with CH48103 - cut old	
	11166	and inspect	ted - okay.	ost maintenance leak check okay.	
	- 4	Marile	Kil		
	Mai	A Riegelm	an 4.72656	6641A	
\		100 0100	,		
				019 TACH: 3569.5 ENG TT: 3569.5 TSO: 1721.7	
				spection this date IAW FAR 43 Appendix D and Mooney	
				oil and serviced with 7 qts. Phillips 20W50XC, added request. Took oil sample mid drain and sent out for	
				ter with Ch48103 and cut old filter and inspected –	
				ollows: 1) 79/80 2) 76/80 3) 78/80 4) 79/80	
				o anomalies noted. Cleaned, gapped, tested and w copper gaskets. Checked mag timing – no	
				induction air filter element with BA-6205. Magneto	
				th time 3717.6. Complied with AD 08-14-07 (fuel	
	ınjec	tor lines) and	AD 95-26-	16R1 (Alternate air door) by visual inspection. AD's	
				11 (DNA as per eng s/n). Sent out Druck oil pressure	
				r inspection/repair and reinstalled back on aircraft.  okay. I certify that this engine has been inspected IAW	
				has been determined to be in airworthy condition.	
	1	11.11	12/		
-	- /	Janes S	Breff		
	Mark	A. RiegeImai	n MP26566	641A	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
	or spring			TOTALS brought forward from previous page	16
	N5813F	DATE: SE	PT 20, 201	19 TACH: 35 80, 3 ENG TSO:	-
	Draine	oil an a war	nı angina an		-
	- Added 1	1.5 ounces o	il ASL Camin	d service with 7 qts. Phillips 20W50XC.	
	WILLI CH4	ed LU3-1. Cut	old filter ar	1d Inspected - okay Took oil sample mid	
	drain and	sent in for	spectro ana	lysis. Post maintenance leak check okay.	_
	- IN	all.	1.11		
ĺ	Mark A. R	Riegelman A	AP26566641	Α	
	N5813F D	ATE: JUNE :	3,2020 н	ORRS: 3584.2 FMC TT. 3504.2 TGG	
1				OBBS: 3584.3 ENG TT: 3584.3 TSO: 1736.5	
	Completed a	nnual/100 l	hr inspection	n this date IAW FAR 43 Appendix D and Mooney	
T	11.6 ounces	necklist. Dra	ined oil and	serviced with 7 qts. Phillips 20W50XC, added	
	and cut old	filter and in	guard as per	owners request. Replaced filter with CH48103-	
	75/80 3) 77	/80 4) 76/	80	kay, compression tests as follows: 1) 76/80 2)	
1	sore scoped	cylinders wi	ith no anom	alies noted. Cleaned, gapped, tested and	
I	nstalled spar	k plugs with	h new coppe	er gaskets. Checked mag timing – no	
v	vith AD 2015	made. Magn	eto impuls	er gaskets. Checked mag timing – no e coupling due at tach time 3717.6. Complied	
v	isual inspect	ion. AD's cu	rrent through	All 2015 75-26-16K1 (Alternate air door) by	
n	naintenance	leak check o	kan Laanic	5 2017-10-11 (DNA as per eng s/n). Post	
a	nnual/100 h	rinspection	and has bee	that this engine has been inspected IAW en determined to be in airworthy condition.	
	11/2/	04		arworthy condition.	-
M	ark A. Riege	2000			1
-	in the Be	man APZO	56664IA		$\dashv$
	N5813F	DATE: SEP	T. 17, 2020	TACH: 3594.7	$\dashv$
	Drained oi	l on a warm	engine and	service with 7 qts. Phillips 20W50XC.	╝
			old filter and	inspected – okay. Post maintenance leak	$\dashv$
	check okay	10	10	, and the leak	
	Mar	dh x	-1		7
1	Mark A. Rie	egelman Af	2656664IA		4
N5				3BS: 3584.3 ENG TT: 3602.2 TSO: 1754.4	
					1
Co	mpleted ann	ual/100 hr i	inspection tl	his date IAW FAR 43 Appendix D and Mooney	٦
ins	pection chec	klist. Draine	ed oil and se	rviced with 7 ats. Phillips 20W50YC added	
— 1 a	nd cut old fil	ter and insn	ected – oka	wners request. Replaced filter with CH48103- y. Compression tests as follows: 1) 75/80 2)	
13	00 3)/0/0	0 4 / 6 / 80	J.		-
- Boi	re scoped cyl	linders with	no anomali	es noted. Cleaned, gapped, tested and	
1112	talleu spark	plugs with r	new copper i	gaskets Checked mag timing no	1
adj	ustments ma h AD 2015-1	ace. Magnet	o impulse o	coupling due at tach time 3717.6. Complied	
vist	ial inspectio	n. AD's curr	ent through	s) and AD 95-26-16R1 (Alternate air door) by AD 2017-16-11 (DNA as per eng s/n). Post	1
liid	interiance le	ak check oka	av. I certiry i	hat this engine has been increased tass	+
ann	ual/100 hr i	nspection a	nd has een	determined to be in airworthy condition.	1
_	11/1en 8	RV	1/		7
-	1 / CIME	nan AP265	1/1		

	TT 3504.2 TSM		E	NGINE SERIAL #L-24181-51A	MODEL # Lycoming 10-360-A3B6D
19		N58131		ERIAL # 24-1563	Tach: 3682.3 Hobbs
		y M20 J		Airframe	Date:
	odel:				Determinant
	ortland, OR 97 03-799-9834	224		The same of the sa	_
14	209 SW Tewk	esbury Dr		Remainder - /	Logbook Insert – Engine
Re	Reliant Aircraft Services LLC			Reliant Aircraft Services LLC	Lochook Incod
1	1	1	1	c	_
				Bunky K	ent Holle ANTA 3130038
				1	1
					- 4 - 11
				I RIETURN T	HIS ENGINE BACK
				WORK FOUND IN	AIRWORTHY CONDITIONS
					SPECTED Scope OF
				NO FORIEN MI	ATTERIAL NOTICED AT
				11M-e. CUT O	i'L FILTOR OPEN
					NOTICED AT THIS
				ALL SYSTEN'S	Checked SATISFACTOR
				WAShed ENGING	2 GROUND RAN ENGIN
					TR Ch 48103-10
-21					C20-50 OIL AND
072	3645.	3		CHANGED OIL	AND FILTER, FASTACLES
1				TOTALS brought forward from	previous page
	TACH!	OVERHAUL	TIME		CATE NO. OF PERSON PERFORMING WORK
DATE	TIME IN SERVICE	TIME SINCE	TACH OR RECORDING METER	DESCRIPTION	ON OF WORK PERFORMED—
	TOTAL	TOTAL			Page No

Completed an engine inspection with reference to Mooney annual inspection guide form # 0100 (B) dated Aug. 2018 and FAR 43 App. D. Checked cylinder compressions #1 72psi, #2 76psi, #3 71psi, #4 71psi, over 80 PSI. Drained oil and cut open filter. Filter appeared normal at this time. Serviced with 7Qts of Phillips SAE 20W50 and Cam guard. Installed new Champion Ch-48-103-1 filter. Removed, inspected, cleaned, tested and re-installed sparkplugs. Replaced all fuel injector nozzles with new Precision Airmotive nozzle's part # 2524864-2. Replaced induction air filter with new Bracket element BA-6205. Inspected exhaust heat exchanger for carbon monoxide leakage. No defects noted. Checked all engine controls for proper travel and lubricated. Ground run and leak checks performed with no discrepancies noted. I certify this aircraft engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition as of this date.

DeLynn R Elrod _	Domik.	A&P P3508347 IA
		SUB-TOTALS this page

TOTALS—Carry forward to next page

Page No. TOTAL TOTAL DESCRIPTION OF WORK PERFORMED-TIME RECORDING DATE SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TOTALS brought forward from previous page Reliant Aircraft Services LLC Logbook Insert Reliant Aircraft Services LLC Engine 14209 SW Tewkesbury Dr Portland, OR 97224 503-799-9834 Date: 10/27/22 Mooney M20 J **Airframe** Reg #: N5813F Tach: 3721.4 Hobbs SERIAL # 24-1563 ETT 3543.3 TSMO 1891.5 **ENGINE SERIAL #L-24181-51A** MODEL # Lycoming IO-360-A3B6D At the request of the owner, changed oil and filter. Cut open filter and inspected for metal. Filter appears normal with no excessive metal found. Pulled Blackstone oil sample. Serviced with 7 QTS of Phillips 20W50 oil and new Champion CH48103-1 filter. Removed and reinstalled magneto for 500 hr. inspection. Reinstalled magneto with new gasket and timed to the setting on the data plate. Ground operated and leak checks preformed with no discrepancies noted. This engine is returned to service with respect to the work performed this date. DeLynn R Elrod A&P P3508347 IA Magneto Pn 10-382555-11R Sn.H100219 Performed 500 hour inspection per TCM X42003 manual section 6.2.3 2-9. Replaced points, distributor block, drive end bearing, oil slinger and bench checked mag, all checks good. William Davidge A&P355 Oct. 24, 2022 /// Reliant Aircraft Services LLC Reliant Aircraft Services LLC Logbook Insert 14209 SW Tewkesbury Dr Engine Portland, OR 97224 503-799-9834 Model: Date: Mooney M20 J **Airframe** 06/29/23 Reg #: N5813F SERIAL # 24-1563 Tach: 3741.4 Hobbs ETT 3563.3 TSMO 1911.5 **ENGINE SERIAL #L-24181-51A** MODEL # Lycoming IO-360-A3B6D Completed an engine inspection with reference to Mooney annual inspection guide form # 0100 (B) dated Aug. 2018 and FAR 43 App. D. Checked cylinder compressions #1 72psi, #2 72psi, #3 70psi, #4 72psi, over 80 PSI. Drained oil and cut open filter. Filter appeared normal at this time. Serviced with 8 Qts of Phillips SAE 20W50 and Cam guard. Installed new Champion Ch-48-103-1 filter. Removed, inspected, cleaned, tested and re-installed sparkplugs. R&R all fuel injector nozzles for cleaning. Replaced induction air filter with new Bracket element BA-6205. Inspected exhaust heat exchanger after new muffler installed, no defects noted. Checked all engine controls for proper travel and lubricated. Replaced rocker cover gaskets and intake gaskets on #1, #3, #4. Ground run and leak checks performed with no discrepancies noted, I certify this aircraft engine has been inspected IAW an annual inspection and was determined to be in an airworthy condition as of this date. Im R Ly DeLvnn R Elrod A&P P3508347 IA

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Reg #:	N5813F	20 J	Airframe SERIAL # 24-1563		05/02/2024 Tach: 3834.1 Hobbs	- -
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	503-799-9834 Model:				Date:	
1	Mooney M20 J		Airf	rame	11/07/2024	
Reg #:	Reg #: N5813F			24-1563	ACTT 3893.0 Hobbs	
	Tach 3893.0			Engine Hobbs: 3893.0 Flight time Hobbs: new engine mounts, lord part number J-9613-40. Reinstalled cowling and		
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form # #4 77ps Phillips plugs w with ne control #2 cylir	0100 (B) dat si, over 80 PS SAE 20W50 with new and ew Bracket e s for proper nder. Replace	ed Aug. 2018 SI. Drained of Installed no I re-installed I ement BA-6 travel and lued ed inboard e	and FAR 43 and cut open Tempest sparkplugs. 205. Inspectibilities Rock whaust stud	3 App. D. Checked cylinder copen filter. Filter appeared nor AA-48-103-2 filter. Remove R&R all fuel injector nozzles ted exhaust heat exchanger, eplaced rocker cover gasket copen and installed heilicoil on inb	ence to Mooney annual inspection guide ompressions #1 72psi, #2 76psi, #3 74psi, rmal at this time. Serviced with 8 Qts of d, inspected, cleaned, tested, replaced top for cleaning. Replaced induction air filter no defects noted. Checked all engine on #3 cylinder. Replaced intake gasket on poard stud #3 cylinder. Ground run and	
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