ENGINE LOG

D-9235

NUMBER E F 5

ENGINE DESCRIPTION

Mfgr. CONTINENTAL	Place MUSKE	GON, MICH. Date
Туре	Model IO-520-BA	Serial No. 200655 - 70 B
Rated H. P.	Maximum H. P.	Weight (Dry)
Rated R. P. M.	Maximum R. P. M.	Oil Pressure
Bore	Stroke	Displacement Cu. In.
Compression Ratio	Supercharger Ratio	Gear Ratio
	2436C33	3-P-CE-B HABBYER
Propeller McCAULEY	Hub Design 20	Hub Serial Nov
Blade Design	Blade Serial No. BG2519	BC249075 Blade Serial No.
Maximum Hub H. P.	Maximum Blade H. P.	To the second se
Pitch	Diameter Diameter	Length
		Longui
Owners Name		
Address	City	State

DATE	R. P.	. M.	TIME GROU	ON JND	TIME IN	I AIR	TOTAL 1		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		6	NOMBER
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=	DATE	R. P. M.	TIME OF	II I I I M L II	N AIR	TOTAL T	IME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE
-	<u> </u>	GROUND AIR	HRS. M	N. HRS.	MIN.	HRS.	MIN.			NUMBER D
_	-	our B eecho						Oil change adder	112 at	
	ELL	OTT FLY	ING	SERVI	¢E ∣			2 100 .0	· · · · ·	
_	D	es Moines M	unicipal	Airpor	1	5	01	v deloskell oil fo	lter	-
<u>_</u> i			TIME	107		···· c	ha	nged, cleaned full	air	t.
_[his Lygun ance with a	oo ka	4.0	spect	ed	re	n 4 Induction ser	un de	
_	100 to	determined to			nditic		sag	spork plugs. for		. 1
). (*	Daris	UC Sic	LONA &	P /953	73	2	M	eles cleaned man	timin	
_P	ENGINE	- Drained of	cloomed	N.	9.	- 0	ID K	t 22°BTC	0	,
Е	checked fu	el system drain	s, check	ed comp	ressi	n,				
-	properly, c	hecked prop for	hook -		1	_ 1				
F	ally check	engine,		12						
	1	2 3	VDER NO.	5	6					
	78/	18/ 18/	76	18/	78	7				
-	180	180 /80	180	180	18	1				
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DATE	R. P.	М.	TIME GROU		TIME IN	N AIR	TOTAL	TIME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			NUMBER
								n			8
										<u> </u>	
		Engine 1	Туре 🗘	ond	IO-	520	B		S/N 20065-70B	PL COMPRE	
	ı	N#_9	1406	2	Та	ach T	ime_20	7		AL	210
	1	For A. [D. com	pliand	ce throu	ugh	71-2	2	see rear of A/C log	79# _:	C
- No.			P/	N		D	escription	1	see rear of A/C log Comment	1 76	10
	ļ	lea d			3 10.	1/ 1/	1/L	<u> </u>	Somment Le		76 W/X
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		4	uste	1	Poul	120	toles		. (00	INPUT	18#
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									ve maintenance completed. Inspection	actus	
									craft has been inspected in accordance		*
		WI	th an A	nnu Gul	以入フ	nspec	ction & w	as det	termined to be in airworthy condition.		
		VV.	. U. #_	77		Dat	te <u>//- / - /</u>	ZZ IVI	lechanic ALD #1446502 TA	_	٠, .
									7037 117778002277		
			11	т—	Γ		II	i	TANIS AIRCRAFT SERV	ICES	
						+	#	+	Algona Municipal Air	port	
BROU	GHT FO	RWARD							Algona, Iowa 505	ū	
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	T	OTALS		20.0							

Transfer Liveries (12 Julius Liveries 12 L

DATE	R. P	. м.	TIME		TIME IN	AIR	TOTAL T	IME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		NUMBER
Thus	2	975	- 3	Q,	met	er	38	6	Rro. Co	5400
0	G	noi	al	les	oa	13.	nee	رشيق	oil pressure transal	lew
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augu	A 7	197	2		You		meter	1	rade 396:00 Has. Compre	seem)
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BROU	JGHT FO	ORWARD								
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DATE	R. P.	M.	TIME		TIME IN	I AIR	TOTAL	TIME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENS
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			NUMBE
2/7/12							512.	1	Changed oil & felter		
									replaced with aero-	4	
					5	·			changed oil & felter replaced with aero- shell \$0 W & filter \$/\$ 632399 (cont.)		
									P/N 632399 (cont.)		
									W.0# 876	Bill spen	Dana
		i .									ALAX (
							8 mg - 1 1 mg - 1				
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BROUG	HT FORW	/ARD									
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"	DATE	R. P	P. M.	TIME		TIME IN	AIR	TOTAL T		REPAIRS — ADJUSTMENTS SIGNATURE LICENSE NUMBER
	/ Reserve	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	NONBER
	ALC: NO	1 1	HANG		8			Draw	in.	oil, replaced filter. Populal with
	Date	2-2-3		1		N _. 2058 eter G			2	et anokell WOW oil Chard
	cer	tify that cted in	t this	Airen	土	Engine	has	been	0	ain fuel sceen, fuel control
	Inspe	ction a	nd was	dete	mir	ed to	be i	h Air-	Na	he sucen and six intake felter.
	order	ا ما	44,	Co		rer.	iô	Chan	6.	12542201320 1420 1530 1636
	lle	enso	and	wa	200	1-90	och	Slug		Replaced points, condences in right
	ma	o, D	tin	20	10	A/A	a	·	in	and air intake buch. Replaced
	suld	-	em 9	its	i	lel	1 1	then	2.	like at prewall. Dressed out
	nun	le	de	nia						Lan C. Martiel FAA Repair Sta. 2058
-	0-0						-	-		FAA Repair Sta. 2030
-								1	(-	HANGAR ONE, INC.
										HERNDON AIRPORT
								, t		P. O. BOX 20174 ORLANDO, FLORIDA 32814
=										VILLIAN VILLIA
1	BROU	GHT FO	RWARD			,	_		-	
_		1	TOTALS							

DATE	, R. I	P. M.	TIME		TIME IN	N AIR	TOTAL 1	TIME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		NUMBER
20	nov	19	74		1		837	4	" CERTIFY THAT THIS ENGINE	
Con	ups	cess	ion	U	Chi		2.	3	HAS BEEN INSPECTED IN ACCORDANCE WITH A	
	12	3	4	5	6		die.		AND WAS DETERMINED TO BE IN APPROPRIATE CONDITION."	
75	72	70	70	75	65				MECHANIC SIGNATURE	
Jus	tall	ed	MI	w	RH	B	32	5	A & P NO. 1338957	
5/90	Ng	5, /	em	000	ud,	W	lede			
HAP.	-m	sla	llu		SX.	s	tock	١,		
Rt.	SI	de	•	I DE	on	1-4	da			N
Y /x	elte.	n d	n	w	#	ul		***		
$\mathcal{M} \cdot \mathcal{D}$	_5	Ou	y .				0 14	28.2	E company of the comp	
BROUGH	IT FORV	WARD				13.				
· .	ТО	TALS			iller-			,		<u> </u>

SE .	DATE	R. F	P. M.	TIME	ON JND	TIME IN	AIR	TOTAL 1	IME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSI
R		GROUND	AIR	HRS.	MÌŅ.	HRS.	MIN.	HRS.	MIN.			NUMBE
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		15.00	11110	V6.77	lc.	ر المن	11/12	1. Oc.	1	Joz G. Maklour	ll	
		71 33) ;; (S (18	5	-335	0	long	S	Aup# 1338957	* · · · · · · · · · · · · · · · · · · ·	
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DATE	R. F	P. M.	TIME		TIME II	N AIR	TOTAL	TIME	REPAIRS - ADJUSTMENTS SIGNATURE LICENS
1976	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	TACH LEADING 1039, 8 ARS NUMBER
25MPC							1034.	8	DRAINED DIL & REPLACED FILTER FILTER
									CUT OPEN FOR INSPICLEMENT INSTRUCTION FINE
			om	o C	ECK.			1	CREW CLEANED INDUCTION AIR TILTED
		#	-/ (eye	73	lbs	2"		RAN COMP CHECK- SEE LEFT, CLEANER
			20	yl	75	4			E REGARDEL ALL SPORK PLUGS. C/W
		لند	30	yc	70	11		-	P.D NOTE 74-18-5 (Impulse Couplings) be
		4	40	if	78	11			REPLACEMENT. PLU M 2369. BETIMES MASS TO
		72	50	y	70	11			ENGINE. Charles STAPTED & ALTERNATOR
110044	DD 40	7004	T OF	46	72	4		,	MOUNTING Checked CATINHEATER FOR
	RD All	- 11	1	- 11		•			PROCKS. Stowed NICKS From Prop
		1E - 6	10.00	- 11			9		
JACK	SONVI	LLE, F	LORI	DA.	32211		i	CERT	EX THAT THIS FIX INTERNATION OF STATE TOLY
BROUGI	HT FORV	WARD					ACCOR	DANC	E WITH A HANDOC MODEON INSPECTION
	то	TALS						VINE	JOHN AIR-WORTHY CONDITIONS JOHN AIR-WORTHY CONDITIONS JOHN JOHN JOHN JOHN JOHN JOHN JOHN JOHN

DATE	R. P	P. M.	TIME GROU	NAME OF TAXABLE PARTY.	TIME IN	AIR	TOTAL T	IME	REPAIRS - ADJUSTMENTS SIGNATURE LICENSE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	ANNACINSP-HOBBS 1176, HIRS
/MOY							1176.	0	DRAINED OIL & REPUSED FILLER,
		Com	00	Pho	ed				DODAINED FUEL BYJESTOR &
	Ø	1 c	16	70	265	7	*	. 8.	Chocked Screw. Repholod
,	#	20	1	70) "				INDUCTION AIR FILTER. REPLACED
	1	3 Oy	1	69	y Le	Programs	Made North Company and a	and the second	ALL SPARK PLUGS. RAN COMPS
	#	4 a	L	71	r				Chisch-Sec LEPT. Checias MAG
	B	564	1	71	4			1	POINTE & KMING. REPLACED Coic BAUSH
	H	6 Cy		70	"			4	DAUTGEAR SUPPORT TO MAG.
			×		(259			MECKEL STARTER BRUSHES & DUT.
	H.UW.	ARD A	IRCRA	IFT B	SERVIC	E,	NG.	- 1	MOUNTING. WASHE & ENG-PUN UP
	1100		NE -		I-8288	- 11		¥	SATISFACTORY.
	JACK	LSOM	وبطيده ا	F.L.	DRIDA	32.			I CERTIEY THAT THIS SELECT HAS EXER INSPECTED
BROUG	SHT FOR	RWARD	g 525			4			CORDANCE WITH A BYWOR WORTHY CONDITION
	T	OTALS			1			4	HOUSE TO POINT PROPERTY CONDITION.

====	T	P. M.	TIME	UND	TIME IN		TOTAL 1	TIME	REPAIRS — ADJUSTMENTS	SIGNATURE LIC
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HKS.	-		MU
				Date	10/1	//>	Total Ti	ne	1306.9 been inspected in accordance	
						1			inspection and was found etails on file this agency under	
-	\\ \tag{\chi}	1 *		W. Sig		3.		for	eselvelder.	
						FAA	M Aircian Approved Airport	Rep	ir Station 707-16	6
				-		lacks	onville. F	lorid	32225	
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DA	R. I	P. M.	TIME GROU		TIME IN	AIR	TOTAL	TIME	REPAIRS — ADJUSTMENTS SIGNATURE	LIC
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	SICIVITORE	NU
		Ce	us	p. ₄	8/0			1	26 7/5/27 otal Time 1331.8	
	1	8	#	1	72				ith a Current inspection and was found airworthy	
			#	2	75	is .			return to service. Details on file this agency under	
			#	3	75				med buck Households	
			#	4	75		8		AA Approved Repair Station 707-16	
			#	5	75			1	raig Airport - Hanger 12, actsonville, Florida 32225	.0
			#	6	7/	a Transit right		aramis .		_
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BRO	OUGHT FO	RWARD			9					
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ENGINE LOG

DATE	R. P	P. M.	TIME GROI		TIME IN	I AIR	TOTAL '	TIME	REPAIRS - ADJUSTMENTS SIGNATURE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
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		*******		and the second			-10 j	_	
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				2010		225	Total Tim	1914	deal and a second secon
					45/2				
								nas	een inspected in accordance
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				irwo	thy for r	eturn	to service	. Det	ails on file this agency under
				v. o.		3	40,	1	
	8		\$	ign e c	Ja	ek	1/20	en	cholder
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						X W	Aircraft N	ainte	nance, Inc.
						A Ap	proved R	epair	Station 707-16
			,	i	U)	alg A	irport - H	angar	12
<u>_</u>			7:	-#	Jac	KSUII	ville, Flor	ıda	32225
BROUG	HT FOR	WARD					v *		w t
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	TO	TALS							

	R. F	P. M.	TIME		TIME IN	I AIR	TOTAL 1	TIME		
DATE	GROUND		GROU HRS.	_		MIN.		MIN.	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE NUMBER
10-16		110	he	6	ne	10	1389	7	1 Carts still a	
10 .0		1 pc	1	in			7.39	5	has been inspected	rt
		eng	-e	tin	e		13 89	2	in accordance with a	
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	<u>.</u> 3			~ ·		4/~~		1	Annual respection to be a	nworth
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BROUG	SHT FO	RWARD					¥	200		
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DATE	R. F	P. M.	TIME		TIME II	N AIR	TOTAL 1	TIME	REPAIRS - ADJUSTMENTS SIGNATURE	LICENSE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		NUMBER
AUG.			\			6	1392		REMOVED #2. CYL OUE TO LOW CO REPLACED ETHANST VALUE & GUIO	Omo
					8		ä.	-	REPLACED ETHANST VALUE & GUIO	
	<u>,</u>			3	\.				broke GLAZE & RETUSTALLES,	-
	- A		1						REMOVED #6 OJL REPLACED	i v
li) o leng							GROKEN EXHAUST STUD, broke	
	-								GLAZE & REWSTALLEY dETAIL	5
						٧,			ON W.O # 28677 ON FILE AT	
		*		12	<u> </u>				Braig Airport — 855 St. Johns Bluff Rd.	
					ý.				JACKSONVILLE, FLORIDA FAT Approved Repair Station # 707-30	
					Þ			X.	FAA Approved Repair Station & January	
								٠,	and a pouring	
	3.						Þ			
BROUG	SHT FOR	WARD								
	TC	OTALS								

DATE	R. P	. М.	TIME GROU		TIME IN	AIR	TOTAL T	IME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
83	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		NUMBER
3/,	#1	73	T	Ac	Н.	7	me		794.9 T CORTIF	4
11	#2	72		12	is		A	R	CRAPT HAS Deen	
	43	60		W:	spe	CYC	N		N Accompance wit	4
	#4	71		A	10	D	HR	>	INSPECTION AND	
	#5	78		Pe	Ter	m	Ime		to Be Arrworth	4
	#6	79) 1			6	Q	vid Shimand # 176402	414
					E.					
27/02	E	A. Carrier		*					OLD HOBBS METER INDICATED 1396	
	-								HOURS - INSTALLED NEW -O-TIMEN	IETOR
									W.O. # 28960 ON FILE AT	05
									HOWARD AIRCRAFT SERV Craig Airport 855 St. Johns B	ut Re-
						4.			JACKSON VILLE, FLORIDA FAA Approved Repair Station	A
BROI	JGHT FO	ORWARD							FAA Approved Regair Station a	101-30
		TOTALS			**************************************			-		

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DATE	R.	P. M.	TIME		TIME IN	N AIR	TOTAL 1	IME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
1983	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.				
14830									TACA 811.83 HAS - REPLACED	/ VACUMN	Pump	12.
-1341									TOCH 811.83 HAS - REPLACED F PUMP LAINE OIL SERVE	W.O. 290	46	#
							3.		Croig Airport - 85	5 St. Johns Bluff	RE,	H
		-					1	1	JACKSUNVIL FAA Approved Re	LE, FLORIDA pair Station 樹	1	
\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							a gri					-3
				(60)		-			7			
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	1982											
	AUIFU	RU	Name of	1								_
BROUG	SHT FOI	RWARD		i (°	AL.					1		_
	Т	OTALS						12			_	

									21
DATE	R. I	P. M.	TIME		TIME IN				REPAIRS — ADJUSTMENTS SIGNATURE LICENSE NUMBER
00.00	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
12-288	VTA	18	96 8	3 (ompr	cse	ION 7	TEE	- #1 780 #2780 #3780 #473/80#5 680
#63	Z 7	DALA		1	Bemo	VZ	oil 7	1/	ER FINSPECT OR. INSTALL 12 QTS
Aspa	ched	1 10	N 50	wī	¿ n	kn	011	Fi	HER REMOVE SPARK DRUGS CLEAN
100	2 Dot	275	125	MO	r A	cc	Rock	ER	LOVER GASKETS & INSTITUTE NEW GASKINS
i Do	AT A	N. F.	s 1	SM	DOVE L	+3	redino	ER	E SIND OUT FOR PEDAIRS 70 FCH,
Soci	The	N A	2RO	50	poly	R	ETURA	r.	Cylinder & ALRO SPORT INSTALLED
Cylia	DUZ	Bael	ON	Ai	ECRA	4	Chu A	a	N EXHAUST 78-01-07 C/W 77-13-22
ENG	NE CA	raels	BYY	cy /	DO HA	n j	NSPEC	rior	0/w 81.24.06 ENGINE FUEL PUMP.
					× **			1 000	that this Eugla & has been inspected in accord-
							i i	ance	with ANNUAL Inspection and was determined
			-		#	┼		to be	in sirworthy condition.
								Signe	derene m. Who For
									A+P1524618I.A. "
BROU	JGHT FO	RWARD				1	<i>.</i>		ALDRONT
		TOTALS	4					ST.	UGUSTINE MUNICIPAL AIRPORT UGUSTINE, FLORIDA

	22									
DAT	re	R. F	P. M.	TIME		TIME IN	I AIR	TOTAL 1	IME	REPAIRS - ADJUSTMENTS SIGNATURE LICEN
DA		GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	
	3/	3/8	0/0		7	CH		965.	9	9/w AD 77-13-22 /w
						in	SR	ectu	3	eng for crocks Change
				H.		oi	0	an	el	ung for crocks hunger uplaced felter 4/5 1000
			-				,		× * 4	
				13			-		. 4	I certify that this Englished has been in-
				,			J -			inspection and determined to be in an airworthy
					7,					Pertinent details of this inspection are on file
		4				4	. Ja			at this agency under work order
					,	e st s		2 4 4 1		Signed Jal Japes for
	1						,	J + 40	100	AERO SPORT, INC. ST AUGUSTINE AIRPORT
					2 1		e.			SILAUGUSTINE EL 22005
						1	3 A 1	1 - 1 3 2		REPAIR STATION NO. 767-113
BRC	UG	HT FOR	WARD							
		TC	OTALS			4.		- <u>-</u>		

DATE	R. P		TIME	DNC	TIME IN		TOTAL T	IME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE NUMBER
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			1		1/2	6	210	12	5/N 6039084 and 603907	7
	ļ v				an	af	ne	سريا	Slick horness To M-23	81
									Pertinent details of this repair are on file	
			12						at this agency inder work order.	
									Signed Signed Date Date	
				*					Aero Sport, Inc.	
	j J								St. Augustine Airport St. Augustine, FL 32085	
	1.1		N.						Repair Station No. 767-113	
			1							
							V y			
BRO	UGHT FC	RWARD			72.					
	×	TOTALS	0							

-	DATE	R. P	P. M.	TIME GROU		TIME IN	I AIR	TOTAL 1	IME	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE
_		GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.		- OIMIORE	NUMBER
	7.7	1 1										

	NE SERVICE INC. □ Zephyrhills, Florida 34248 □ (813) 788-330 REPAIR STATION (F.A.A. APPROVED) #764-88
ENGINE: _	EXCOMENGE COMMENTS TOTAL TIME: 1642:4
MODEL: _	TIME SOH: 0:0
	and the second s
The aircr	HOBBS/FACH READING: 247:0 ft engine identified above was overhauled and inspected in accordangent maintenance rules of the Federal Aviation Regulations and is ap-
The aircr ce with cur proved for	ft engine identified above was overhauled and inspected in accordangent maintenance rules of the Federal Aviation Regulations and is appeturn to service. "Pertinent details of the overhaul are on file at this nunder work order No86251Date1/30/87
The aircr ce with cur proved for repair station	ft engine identified above was overhauled and inspected in accordan- ent maintenance rules of the Federal Aviation Regulations and is ap- eturn to service. "Pertinent details of the overhaul are on file at this

QUANTITY	DESCRIPTION		
1	gasket set	632429-A3	R. P.
1	nose seal	638161	3
3 1	bearing set	646593A1	
12	rod bearing	630826	-
6	rod bushing	530658	TIME ON GROUND
12	cotter pin	AN-381-25-10	
2	lock plate	641909	
16	plate	635623	-
16	snap ring	629104	TIME
2.	pin	630261-35	
1	camshaft(exch)	629726	AIR
2	key	MS-35756-8	D
12	lifter	628488	Z
1.	spring	539800	TOTAL
1	lock tab	501867	
6	ex guide	636242P010	TIME
6:	ex valve	637781	
	piston	648013P015	
6	piston pin	630046	
6	ring set	642602A2P015	RE
12	shaft	539740	REPAIRS
24	bushing	639629	
2	plate	641361) >
1	oil filter	CH-48109	٥
12	spark plug	RHB-32-E	US1
4.	cushion	638172	— ADJUSTMENTS
24	ex stud	401893P003	N
1	crankcase(new)	643196	S
1	starter motor	646238	10 10
1,	alternator (0-hai	4	,
1	fuel system(excl		<u>s</u>
	END		SIGNATURE
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Zephyr Engine Service, Inc.

Aircraft Engine Overhaul

Phone: 813/788-3305 Richard Porter, President

Municipal Airport 2400 Avenue B Zephyrhills, Fl 34248

WARRANTY

All engines warranted against defects in material and workmanship to 200 hours. to include parts and labor. An additional pro-rated warranty, parts only to 600 hours on direct drive engines and 400 hours on geared engines. All warranty adjustments will be based on a minimum of 40 hours per month usage. Pro-rated warranty shall be void if the failure results from a customer owned part which fails as no result of the overhaul. All parts and labor to be approved by ZEPHYR ENGINE prior to commencement of work. Cracked cylinders and crankcases excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims will not be allowed. No claim shall be allowed under this warranty if, in the opinion of ZEPHYR ENGINE, the engine has been subjected to accident or used, adjusted, altered, handled, maintained or stored other than as approved by the engine manufacture. This warranty is expressly in Lieu of all other warranties and representations, expressed or implied, and all other obligations or liabilities on the part of ZEPHYR ENGINE SERVICE, INC.

ALL ACCESSORY ITEMS WILL BE WARRANTED BY THE VENDOR OF SUCH ITEMS.

ENGINE MODEL TO-520-BA ZEPHYR ENGINE SERVICE, INC.

SERIAL NO. 200655-708 BY: Bichard Porter

AIRCRAFT No. 9140 Q DATE: 1-30-87

26							
DATE	R. P. M.	TIME ON GROUND	TIME IN	AIR	TOTAL 1	IME	REPAIRS - ADJUSTMENTS SIGNATURE LICENSE
	GROUND AIR	HRS. MIN	. HRS.	MIN.	HRS.	MIN.	NUMBER
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711	HU 565	347	8	(NE	200	e with new motor
£	Mach	ts.	·ER	16	ne	I	MFO, ON PAGE 24 \$25%
	new.	4056	JE C	01) /=	V	el System MStallel wew
*	over	AVLE	d	10	Of.	7	Justalled new Rubber
	STAFE	(e,)			ont	6	CENbine,
	TUSTA	led	to	10	ne	(I)	I certify that this ENTIFE has been inspected in accordance to the third that the
•	Slick	MAG	A	vo	KA	ON	Sinspection and decade to be in an
	with	TOG	re		From	ı	Pertinent details of this inspection are on file at this agency under work order
	1 spige	#2	30	10	FRA	N	No. 727)76 / 16/87
-	on 650	and	All		2/4.		Signed for appel for
	- 11	nver	cho	A	All	1	St. Migustine Aircraft Service
BROU	GHT FORWARD	-1	elled	/	2013	,	St. Augustine, FL. 32084
	TOTALS	001	nine	PA	(,00)	2 18	Repair Station No. 764-144
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DATE	R. F	P. M.	TIME		TIME IN	I AIR	TOTAL T	IME	REPAIRS - ADJUSTMENTS SIGNATURE LICENSE NUMBER
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				1 1	ii	•		1	PART 43 APPEXD, REMOVED OIL AND THETALES
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		1		1 1	H	1	il .		INSTRUMENT AIR FILTERS. INSTALLED
					11		18		H TAIL PIPES, AHO CLAMPS. REMOVED
9			SPA	RIC	Plu	<u>-</u> S	CIEAL	HEA	6 APPED, ROTATED AND REINSTALLED, #172/80 #2 67/80 #3 72/80 # 72/ #572/ #17/
		1		1 1	ll .				
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BROUG	HT FOR	WARD	22 2 -	-	a .				
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SE :	DATE	R. P	. M.	TIME GROU		TIME IN	AIR	TOTAL T	IME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
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ia '	in acco	on and	letermin	rd to b	in	n			in	te tion and determined to be in an	
1	airwort!	ny condi	ion.							1:1:00	
— J.	Pertine			inspect	on a	e on file	at		n.	tinget details of this inspection are on the	
		ery u		ordo r					thi	s agency under work order	
0.00	No.	585		_Date_	6	2/88	2			2.585 Date 6-220	**
_ }-	Signod	Du.	7.2	1	u	for,				gned Oct. 7. Sometime for	
- 1-	St. A		rcraft S	rvice			*			. Augustine Aircraft Service	
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		usilne,							1	Augustine 11 32004	
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DATE	R. P. M. GROUND AIR	TIME ON GROUND HRS. MIN.	TIME IN AIR HRS. MIN.	TOTAL TIME HRS. MIN.	REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER						
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4	July 2	1, 1989		Ŀ	INGINE Tach		=						
See Smithest				T.T.: 2061.20 — SMOH: 418.80									
	Draine	i oil. c	ut open o	n oil filter for inspection. Installed a new oil									
	filter	and 12	gts. Aero	shell 100	W oil. Cleaned main fuel	a new off	-						
	injecto	r scree	n and noz	zles Co	mpression check # 1, 68/80	# 2 66 100							
	# 3. 70	180. #	4 74/80	# 5 70 / 20	, # 6 74/80. Installed 12	11 2 00/80	• 1						
	Auburn	273 spai	rk pluce		, # 0 /4/00. Installed 12	new	_						
	- ion of	cabin be	ck prugs.	bee /10	mag timing. Made a visual	inspect-							
	install	ed a nor	eat mull,	has 418 hours since new. A.D. 84-26-02									
		OD 2 D	w engine	air intake filter. Complied with Beech S.I. d inspected alternator bearings. Installed									
	0.740-33	one Re	emoved an	a inspect	ed alternator bearings. In	istalled							
,	brush e	earing a	and oll s	seal on drive end. Lubricated bearing on AIRPLANE DENGINE TIME THE 1460.30									
					MAINTENANCE PLISHED								
				BANN	WAL INSPECTION MAINTENANCE	*							
	3 2 2			. ITEMS LI	STED AND/OR ON HE W.O. 4975								
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				IN ACCO	RDANCE WITH CURRELL LEGULATIONS OF THE	FAA	-						
ĺ				AND IS A	PPROVED FOR RETURN TO SERVICE.								
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_ ,	DATE	R. F	. M.	TIME GROU	0.0000000000000000000000000000000000000	TIME IN	AIR	TOTAL T	IME	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
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· (,	1			2004	Professional Co. (1)			AIRFRAME OR ENGINE HAS BEEN	
-										TO BE IN A AIRWORTHY CONDITION	
- -		-				TOT	AL T	ME_5	24	55MgH	
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DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	NU	WBER
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							ARE ON	FILE	UNDER WORK OF THE NO. 3169	
							DOUED		AIR STATION # ETERGS9D	
	· k		1	*	6 4	. 76	- KUYED	116	All Simply & Licitores	
	-									
1/22/92	- +	ACH	1 /	58	3.9)	228	<u>.</u>	TOTAL TIME, 642.2 SMOH	
	CHK	NG	D	01/	A	V	Fil	-70	ER. SERVICED WITH 12 QTS	
	NER	OSME	326	_\$	0 4	ノ オ	H	/D	CHAMPION CH48109 FILTER,	
/	FIRM	115 H	D (31	OWN	ER	GRE	- 11		
BROUG	HT FOR	WARD		\downarrow		$\downarrow \downarrow$			A CORRI	
	TC	TALS							A21 264681091	_

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					2	Date/	2-20	-92Ta	ch T	me 1709.7 668,5 SM	04
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	DATE	R. P. M.	TIME ON GROUND	TIME IN AIR	TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE
		GROUND AIR	HRS. MIN.	HRS. MIN.	HRS. MII	٧.			NUMBER DA
	10/5/93	#2	307	MOH	6 Ce 4	6 Enge	ne installed into	N18338	
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	5	11-95	Ja	6,5	304	#2	354,5 MO	4711	
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	BROUGH	T FORWARD		De A			I certify that this aircrei	it/engine has	boon
		TOTALS			wa		I certify that this aircrainspected in accordant hour/aircrains inspection	nce with a	nd 10
					0	200	be in an airworthy condit	ion.	
298	A 1000 6 400		ringst han a single like	er Constitution	Gra	4.	yenor #18787	374H	1 A Alban

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\	DATE		P. M.	TIME	DND	TIME IN	,	TOTAL 1		REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE
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<u> </u>	BROUG	HT FOR	RWARD	Con	n	rps	ic	1.8	1	65/80 1#250/88 #3/60/90)	4464/20
' _		T	OTALS	#5	-4	1/80	1	6	99	0, Changed or 15/50	4
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	DATE	R	. P. M.	GR	1E ON	IIME	IN AIR	TOTAL	TIME	REPAIRS - ADJUSTMENTS SIGNATURE LICENSE
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-	X				_		. 6			Jain a lohar # 1878727
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	8-11	-97	Tach	547	75	Re	pla	ed a	Her	nator with overhauled unit Stulizion
-			Groc	nd	101	, ဇာု	c,f	denign	27	as sheeked satisfactory.
		www.ser		* * /				esw b	ns !	10/100 Graphilance indentified above was repaired and imapected in eccordance with gurrant Reculations of the
		500	4		1 6		17			telem to service. Pertinent details of the repair ore on the at Elliott Aviation of Allippennets inc.
										Work Order No.
								15	3 4	Asthorized Representative) EXLIGIT AVIATION OF MINNEAPOLIS, INC. 13801 Ploneer Trail Eden Prairie, Ma. 55342
	BROUG	HT FOR	WARD				1	100		Eden Prairie, Ma. 55342
	.	T	OTALS	15 Jan 1	4.2.					

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,	DATE	R. F	AIR	GROU HRS.		TIME IN	AIR MIN.	TOTAL T	IME MIN.	REPAIRS — ADJUSTMENTS SIGNATURE	LICENSE NUMBER
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		30 X	ew	1		inspe	ctec	in ac	ctio	and was found to	
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DATE R. P. M.	TIME ON GROUND TIME IN	100 100 100 100 100 100 100 100 100 100	REPAIRS — ADJUSTMENTS	SIGNATURE LICENSE
GROUND AIR	HRS. MIN. HRS.	MIN. HRS. MIN.		NUMBER
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magne	my helas	ded fee	It smagnita sais	stalled
milling	deser	in left	throng ballel	
	III TO VERVIOUS	IT ECCORDAN	ngine has been e with a 100	
	be in an airw	orthy condition	was found to	
		13. 45.	John C. Har 14)	6737 XA
	1 99	engine has bi	s certify that this alrest	
	of i	nd was found	rented in eccord	
BROUGHT FORWARD	white of the	7.50	THE PARTY OF THE P	
TOTALS		1 33 1		

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DATE	R. P	AIR	TIME GROU HRS.		TIME IN	AIR	TOTAL 1	IME MIN.	I REPAIRS — ADJILISTMENTS I SIGNATLIDE I	LICENSE NUMBER
82099	Yac	LTO	ne c	60	3.9		Remor	ed	(6) Fuel injectors and installed Ga	omi-
iect	er k	人方	lo G	AI) 13C	(SIN	18	31 in accordance with Supplement	al
Type	Certi	hiost	el	0.	5E 0	96	175		see FAA Form 337 This Date. No	Change
MU	eigh		Be		11.	K	emov	4	wel Manifold P12631427-26 51	0
K21-	1425	Car	dù		lled	K.	ebuil	av	7, PW 631427-17:51NHU64404CH	7
From	MC	MIL	10. *	P	2491	a /)	Com		d with ICM SB MIBH and SLI	
97-	3.6	round	ru	1	and	Le	ak (A	k, good. Dia	
-						er appoint	ted in accord	med at lance w iministr	th engine, propeller, ove was repaired and th current flegulations of the sion and is approved for	
]	+				4	are on	service. P	Aviatio	of Minneapolis, inc. ueder:	
1			3			Signed	Mun Al	LKYL	entative) OF MINNEAPOLIS, INC.	
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ENGINE LOG

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REPAIRS - AUJUSTMENTS SIGNATURE	47
West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313 N5633S Continental IO-520-BA; S/N 200655-70B 3/14/2016 Tach/Actt 5853.86; Ett 2907.46; Esoh 1265.06 Performed 100 hr. inspection I/A/W Beech Service Manual, removed spark plugs cleaned, gaped and rotated, performed compression check #1 60/80; #2 68/80; #3 55/80; #4 70/80, #5 68/80 #6 66/80. Checked mag timing at 22 degrees BTDC, Drained oil and removed filter cut open and inspected no metal found installed new CH48109filter and serviced with 10 qts Aeroshell 15W50. Removed and replaced induction filter BA7112. Removed fuel servo and flow divider for repair and reinstalled. Removed and replaced fuel line from fuel flow transmitter to flow divider run up leak check good. I certify that this engine has been inspected I/A/W an 100hr. inspection and was found to be in airworthy condition. Tom Beachem AP2661552fA	CENSE JMBER
Jonn Beachem A+P. Personal I Phone Control of the personal o	
Jonn Blacken Personal I Phone Company of the State of t	
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(6/2) 708-36/8	
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10-980 BA MEMORANDIUM
1495182 # 200699-70B 910 0 10 2 Bracket ou dimanence roller rachers.

Una Yaber MEMORANDUM. 80 IO-530 BA Ser#300695-70B TO M Endund Skyle pum 6/11/ 88-03-06

		ENGINE LOG						
Plying Cloud Airport S52.941.1212 Crystal Airport Form annual inspected engine oil filter. No defects noted. Installed new engine oil filter oil. Removed and inspected engine oil filter. No defects noted. Installed new engine oil filter oil. Removed and reinstalled plugs with new gaskets P/N UM674. Removed, and tested spark plugs. Rotated and reinstalled plugs with new gaskets P/N UM674. Removed, exhaust muffler shock bracket. Engine compressions: #1) 62/80 #2) 50/80 #3) 64/80 #4) 56/80 #5) 70/80 #6) 68/80. Master orifice reading 43lbs. Borescoped engine. Op's check and leak check satisfactory.							d, RH SO ar consistant	
IA	W an Annu	this aircraft engine last inspection and way condition.	has been insper vas determined		avid	Posten	A&PIN	A 3372987