ENGINE LOG BOOK



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Service Information

Consult the Continental Motors web site at continentalmotors aero for engine related news or announcements. Continental Motors Internet Service contains useful information for Continental Motors engine owners, including electronic versions of the most current engine Instructions for Continued Airworthiness and service documents that may be pertinent to your engine model.

If Internet access is not available, contact our Customer Service Department at: 1-888-826-5465 Toll free in the United States or 1-251-436-8299 International

Engine Returns

Return engines for core credit with this log book to: Continental Motors, Inc. 2039 Broad Street Mobile, AL 36615 USA

Return engines for overhaul with this log book to: Continental Motors, Inc. Factory Service Center 8600 County Road 32 Fairhope, Alabama 36532 USA

USE ONLY FUEL SPECIFIED IN OPERATOR'S MANUAL OR TYPE CERTICATE DATA SHEET USE OF AUTOMOTIVE FUEL IS PROHIBITED



Continental Motors

FAA PRODUCTION CERTIFICATE NO. 508

the original engine log book Printed: 10/24/2016 prior to the information recorded

Test Date:10/24/2016

This engine model I0550D24B, serial number 1033119 was rebuilt by Continental Motors Inc, in accordance with approved design data and the applicable requirements of 14 CFR, Part 21 and 43 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Continental Motors Service Bulletins

CONTINENTAL MOTORS, INC.

Form 6012-04 (Rev Sept 2014)

	Total	Time		nce Last rhaul	Engine Serv	rice and	d Maintena	ince Red
Date	Hours	Min	Hours	Min	Record maintenanc installation and compospecial Inspections,	pliance with	inspections, Airwo	orthiness Dire
2	AIR PLAIN	AIR PLAI	INS SERV		N5412N V	WO: 032039	03/10/2017	
	Installed SN: 182	Contine 67763 in	ntal 10-55	0-D Engine ce with AIR	ng. Engine TT: 0.0, A e, 0.0 TOTAL TIME SINCE R PLAINS SERVICES, COR	E NEW into Ce	essna 182 N5412N ,	ed
	Alternat	or Serial	1033119 #: H- Q10	1542		H Mag Serial # H Mag Serial #		
		at this Engin			cordance with current regulat CRS MNYR085K	tions and is appro	ved for return to service	
_		AIR PLAI	NS SERVI	CES	NE/12N \A	VO- 022040	02/10/2017	
_ \>	() VR PLAIN:	S CR	S: MNYR	85K	N5412N W Engine TT: 0.0, A/C	VO: 032040 TT: 2340.1	03/10/2017	
'۵'	Serviced a	and inspecte	ed the engine	e in accordance	ce with an ANNUAL inspection	on per FAR 43 App	p D. Performed AD list se	arch
				AD's for com d operational	pliance. checked per the CMI MM, and	d STC SA00521V	VI,	100
TO THE PARTY OF TH								
					n ANNUAL inspection and was of MNYR085K	determined to be in	airworthy condition.	
	*Signed	111111	C	epected IAW ar ertificate#: N March 10, 20	MYR085K	determined to be in	airworthy condition.	
	*Signed *WO#: 032	2040 TT: 2	2340.1 Date:	ertificate#: N March 10, 2	MNYR085K 017			
	*Signed *WO#: 032	2040 TT: 2	2340.1 Date:	ertificate#: N March 10, 20	MYR085K			
	*Signed *WO#: 03:	2040 TT: 2	2340.1 Date:	ertificate#: N March 10, 20	INYR085K 017 cordance with current regulation			
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nassA st	Total	Time	Time Sin Over	ce Last haul	Liigiiio					
Date	Hours Min Hours Min			Min	Record maintenance actions including engine part removal a installation and compliance with inspections, Airworthiness Directive Special Inspections, Modifications and Service Bulletins					
rried forward -		→								
Tieu ioi waiu										
		DATE	:	EN	GINE MODEL:		ENGINE S/N:		INE T.T.	
		August 24,	2017		IO550D24B		1033119		17.2	
	disassi Revision were in Pump require bolts, Airwoon This en manual been a to be a	embled, clon Octobe nstalled: F SN B17GA ed for sen nuts and b rthiness D ngine has als X30605 accepted.	eaned and r 2013 and R/H Magnet 1111R and P viceable corporations and rectives have been assens and X3060 I certify that	inspected CMI Proce to SN F16H Manifold V Indition. Er d crankshave been c ave been c inbled and D7 Revision at this engi	in accordance we dures Manual Massauke, L/H Mag valve SN C17HA07 agine assembled aft bolts and bea omplied with. tested in accordance has been inspired as been inspired and bear accordance with a been inspired as been inspired and bear accordance as been inspired and bear accordance as been inspired and bear accordance are bear accordance as been inspired and bear accordance are accordance as a bear accordance as a bear accordance are accordance as a bear accordance as a be	th overhal- -0 Revision neto SN F3 '8R. Cylind using new rings insta nnce with pro- ected and	or inspection do nul/maintenan n Dated July 2: 16LA271R, Mer ders were disas seals, gaskets alled. Applicab procedures list ocedures man I repaired as in	lue to a propeller str ce manuals X30605 a 017. The following so tering unit SN A176/ ssembled, cleaned, a and "O" rings. New le Service Bulletins a ted in overhaul/mainual M-0 Revision Jul- idicated above and von record at this fac	and X30607 erialized items A158R, Fuel and repaired as connecting rod and intenance y 2017 and has was determined	
	Comp		M87-23, N	193-4, M93			, SB07-1, SB17	-01, SB653, SB658, S	9CER853B	
			M87-23, N	193-4, M93				-01, SB653, SB658, S		
		ANIC:	Thing	B.H.	9CER8	53B AUTH		Boeppl		
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70		ANIC: Specializ 2285 Air San Maro	ted Aero LL port Drive cos, Texas 7	<i>C</i> . 8666	9CER8	S3B AUTH	CVATION	Boeppl	9CER853B	
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	Total Time			Gafford Ass	Inc. ice and M	laintenance	Record
Date	44		1833 Airr	ort Dr., San Ma	Inc.		ACCOT G
Date					o@austin.rr.com		emoval and
	Hours Min		Min ins		ompliance with insp		
	ENGINE Log		Date: 11/7/	/2017	N: 5412N	Tach: 26.2	io Bircouves,
arried forward -							
	Installed miss	sing stud an	d pin for the	e induction air be	ox attachment (cowl to	the air box).	
	— pump drain li	ines Poute	d and secure	ed with the brea	duct. Plumbed in new	manifold and fuel	
	pump draint in	7	u anu secure	au with the brea	ther tube.		
	7/2	6	///	1			
	Michael Med	calf	- ' 7				
	A&P 2764389						
	The same of						
			GA	FFORD AERO	, INC		
	1833 AIR	RPORT DE	RIVE, P.O.I	BOX 1354. SA	IN MARCOS, TEXA	AS 78667	
	Phone 51	2 396-332	3, Fax 512	396-3329. e-m	ail gaffordaero@aus	stin.rr.com	
	The Cart			0.15.15.15			
	ENGINE	Log	Dat	e: 3/7/2018	N: 5412N	Tach: 36.7	
	Changed	oil and file	er Aeroch	ell 100 mineral	oil. Took Blackstor	a cample for and	
					and leak checked, no		S.
	mspecie	7	1	. Ran engine	ma leak checked, no	icaks notcu.	
	nle	- de	11	/_			
	Michael 1	Medcalf	To				
	A&P 276	54389					
		-					
				C-# 1 1			
				Gafford Aero, ort Dr., San Mar			
					@austin.rr.com		
			(512) 550 50	<u> </u>	- Contraction		
	ENGINE Log	Dat	te: 3/22/201	8 N: 54	12N Tach: 3	9.0 TT: 39.0	
	Performed ar	n annual ins	pection IAW	the scope and	letail of FAR 43, Appen	dix D. Removed	
					systems. Adjusted the		
					il change at this time.		
					le mixture settings. Ins	spected and	
					d, no leaks noted. al inspection and was	determined to be	
	in airworthy		ecci mapeci	ced in the an annie	ar mopestion and was		
	.1		0	Compre	ssions: #1-76/80 #3-	-76/80 #5-76/80	
		ob m	edeal		#2-74/80 #4-	-70/80 #6-76/80	
	Kenneth Me						
	A&P 452760	326 IA					
	1022 470000	TDDD		RD AERO, IN		2667	HEE
	Phone 512 200	6.3323 Fo	v 512 206	3320 e-mail o	ARCOS, TEXAS 78 affordaero@austin.r	r.com	
	Phone 312 390	0-3323, ra	A 312 390-	3329, C-man	arrordacio (c) austili.1		
	ENGINE Log	3	Date: 10	/9/2018	N: 5412N	Tach: 65.4	
	Changed oil a	nd filter. P	hillips 20W	V/50. Took Bl	ackstone sample for	analysis. Inspected	
	filter, no meta	l noted. R	an engine a	and leak check	ed, no leaks noted.		
	. /	6.1	14				
	Michael Mede	CALL	- ()				200
The second secon							

	Total Time	Overhaul	Ingine Service and M	amtenance	Record
Date	Hours Min	GAFFORD	AERO, INC 54. SAN MARCOS, TEXAS 78667	ections, Airworthin	removal and ess Directives,
rried for	Phone 512 396-33	23, Fax 512 396-332	29. e-mail gaffordaero@austin.rr.com	<u>m</u>	
	ENGINE Log	Date: 2/25/2019	N: 5412N Tach: 80.7 TT	; 80.7	
	adapter purchased	from Aviall, Inc. Ir	ter due to failure. Installed a rebuilt installed with new 653749 mounting poring, ran the engine, all systems not	gasket. Re-	
	Michael Medcalf	A&F 2764389			
			fford Aero, Inc.		
			Dr., San Marcos, TX 78666 gaffordaero@austin.rr.com		
	ENGINE Log	Date: 4/1/2019	N: 5412N Tach: 86.2	TT: 86.2	
			e scope and detail of FAR 43, Appendix I		
	cicaricu, gappeu,		e plugs. Changed the oil and filter, Philli		
	and wiring. Adjust screen. Ran engi	sted the idle and idle m ne and leak checked, n ne has been inspected	IAW an annual inspection and was dete	the fuel rmined to be	
	and wiring. Adjusting screen. Ran enging I certify this enging in airworthy conditions.	sted the idle and idle m ne and leak checked, n ne has been inspected	nixture settings. Inspected and cleaned o leaks noted.	rmined to be /80 #5—72/80	
	and wiring. Adjusting screen. Ran enging I certify this enging in airworthy conductive.	sted the idle and idle me ne and leak checked, n ne has been inspected dition.	nixture settings. Inspected and cleaned o leaks noted. IAW an annual inspection and was dete Compressions: #1—72/80 #3—73,	rmined to be /80 #5—72/80	
	and wiring. Adjusting screen. Ran enging I certify this enging in airworthy conductive.	sted the idle and idle me and leak checked, no he has been inspected dition.	nixture settings. Inspected and cleaned o leaks noted. IAW an annual inspection and was dete Compressions: #1—72/80 #3—73,	rmined to be /80 #5—72/80	
	and wiring. Adjusting screen. Ran enging I certify this enging in airworthy conduction. Kenneth Medcalf 1833 AIRPORT	sted the idle and idle me and leak checked, no me has been inspected dition. Medical A&P 452760326 IA GAFFOR T DRIVE, P.O.BOX	nixture settings. Inspected and cleaned o leaks noted. IAW an annual inspection and was dete Compressions: #1—72/80 #3—73,	the fuel rmined to be /80 #5—72/80 /80 #6—75/80	
	and wiring. Adjusting screen. Ran enging I certify this enging in airworthy conduction. Kenneth Medcalf 1833 AIRPORT	sted the idle and idle me and leak checked, no me has been inspected dition. Medical A&P 452760326 IA GAFFOR T DRIVE, P.O.BOX	nixture settings. Inspected and cleaned o leaks noted. IAW an annual inspection and was dete compressions: #1—72/80 #3—73/ #2—71/80 #4—67/ RD AERO, INC 1354. SAN MARCOS, TEXAS 78/ 3329. e-mail gaffordaero@austin.rr.	the fuel rmined to be /80 #5—72/80 /80 #6—75/80	
	and wiring. Adjustice and wiring. Adjustice and wiring. Adjustice and a screen. Ran enging in airworthy this enging in airworthy conductor. Kenneth Medcalf Sending Alamonda Sen	GAFFOR DRIVE, P.O.BOX. 3323, Fax 512 396-3	nixture settings. Inspected and cleaned o leaks noted. IAW an annual inspection and was dete compressions: #1—72/80 #3—73/ #2—71/80 #4—67/ RD AERO, INC 1354. SAN MARCOS, TEXAS 78/ 3329. e-mail gaffordaero@austin.rr.	the fuel rmined to be /80 #5—72/80 /80 #6—75/80 667 com Tach: 105.2 500 hrs.	
	and wiring. Adjustice screen. Ran enging of certify this enging in airworthy condition. Remove the second s	GAFFOR DRIVE, P.O.BOX. 3323, Fax 512 396-3	RD AERO, INC 1354. SAN MARCOS, TEXAS 78: 3329. e-mail gaffordaero@austin.rr. 20/2019 N: 5412N tion filter (AD 86-24-02), due each 2/50. Took Blackstone sample for an	the fuel rmined to be /80 #5—72/80 /80 #6—75/80 667 com Tach: 105.2 500 hrs.	
	and wiring. Adjustice screen. Ran enging of certify this enging in airworthy condition. Remove the second s	GAFFOR DRIVE, P.O.BOX. Date: 9/2 10-6150 paper induct of filter, Phillips 20 Wnoted. Ran engine as	RD AERO, INC 1354. SAN MARCOS, TEXAS 78: 3329. e-mail gaffordaero@austin.rr. 20/2019 N: 5412N tion filter (AD 86-24-02), due each 2/50. Took Blackstone sample for an	the fuel rmined to be /80 #5—72/80 /80 #6—75/80 667 com Tach: 105.2 500 hrs.	
	and wiring. Adjustice screen. Ran enging of certify this enging in airworthy condition. Remove the second s	GAFFOR DRIVE, P.O.BOX. Date: 9/2 10-6150 paper induct of filter, Phillips 20 Wnoted. Ran engine as	RD AERO, INC 1354. SAN MARCOS, TEXAS 78: 3329. e-mail gaffordaero@austin.rr. 20/2019 N: 5412N tion filter (AD 86-24-02), due each 2/50. Took Blackstone sample for an	the fuel rmined to be /80 #5—72/80 /80 #6—75/80 667 com Tach: 105.2 500 hrs.	
	and wiring. Adjustice screen. Ran enging of certify this enging in airworthy condition. Remove the second s	GAFFOR DRIVE, P.O.BOX. Date: 9/2 10-6150 paper induct of filter, Phillips 20 Wnoted. Ran engine as	RD AERO, INC 1354. SAN MARCOS, TEXAS 78: 3329. e-mail gaffordaero@austin.rr. 20/2019 N: 5412N tion filter (AD 86-24-02), due each 2/50. Took Blackstone sample for an	the fuel rmined to be /80 #5—72/80 /80 #6—75/80 667 com Tach: 105.2 500 hrs.	

703674.60	Total	Time	Time Sin Over		Engine Service and Maintenance Rec	ord
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal installation and compliance with inspections, Airworthiness Directors and Service Bulletins	l and ctives,
arried forward -	BEEL A	-				
			1833 AIR Phone 51	RPORT I 2 396-33	GAFFORD AERO, INC DRIVE, P.O.BOX 1354. SAN MARCOS, TEXAS 78667 323, Fax 512 396-3329. e-mail info@gaffordaero.com	
			ENGINE	Log	Date: 11/5/2019 N: 5412N Tach: 129.6 TT: 129.6	
			Aviation	Modific	Continental fuel nozzles P/N 627335D12E and installed General ations, Inc. GAMIjectors kit No. GAD12E, S/N 28532. Filed FAA in weight or balance.	1
				/	0116	
			Michael	Medcalf	A&P 2764389	
			1-5.72			
					Gafford Aero, Inc.	
					33 Airport Dr., San Marcos, TX 78666	
				(51)	2) 396-3323 info@gaffordaero.com	
		ENGINE L	og	Date: 5/7	7/2020 N: 5412N Tach: 148.3 TT: 148.3	
		Performe	d an annual	inspectio	on IAW the scope and detail of FAR 43, Appendix D. Removed	
	V Vorter	plugs, che	cked compr	ressions, i	induction, and exhaust systems. Adjusted the magneto timing.	
		Cleaned, I	gapped, rotal the filter, n	ated and r	tested the plugs. Changed the oil and filter, Phillips 20W/50. noted, took Blackstone oil sample. Inspected all controls, hoses,	
		and wirin	g. Repaired	broken b	paffle between oil cooler and cylinder #5. Inspected and	
					engine and leak checked, no leaks noted. Inspected IAW an annual inspection and was determined to be	-
			thy condition		inspection and was determined to be	
				. 1	Compressions: #1—76/80 #3—76/80 #5—70/80 #2—71/80 #4—64/80 #6—74/80	
			et m			
		Kenneth	Medcalf A	&P 45276	50326 IA	
					Gafford Aero, Inc.	
					.833 Airport Dr., San Marcos, TX 78666 512) 396-3323	
		ENGINE	Log		5/28/2021 N: 5412N Tach: 186.0 TT: 186.0	
		Perform	ned an annu	ual inspec	tion IAW the scope and detail of FAR 43, Appendix D. Removed	
					s, timing, induction, and exhaust systems. Cleaned, gapped,	
					s. Installed a new URHB32E spark plug top position, #6. Changed W/50. Inspected the filter, no metal noted, took Blackstone oil	
		sample	. Inspected	all contro	ols, hoses, and wiring. Inspected and cleaned the fuel screen. Ran	
		200			b leaks noted. I certify this engine has been inspected IAW and determined to be in airworthy condition.	
		umuai	pection	and was	Compressions: #1—74/80 #3—64/80 #5—78/80	
		11			#2-69/80 #4-66/80 #6-70/80	
		Ken	net	med	col	
		0.500	th Medcalf			

	Total	Time	Time Sir Over	nce Last haul	Engine Service and Maintenance Record
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
arried forward		-			
					Gafford Aero, Inc.
					1833 Airport Dr., San Marcos, TX 78666
					(512) 396-3323 <u>Info@gaffordaero.com</u>
			ENGINE L	og	Date: 6/7/2022 N: 5412N Tach: 216.9 TT: 216.9
			plugs, che rotated a no metal Replaced engine an	ecked con nd tested noted, to 2ea J744 nd leak ch	ual inspection IAW the scope and detail of FAR 43, Appendix D. Removed npressions, timing, induction, and exhaust systems. Cleaned, gapped, I the plugs. Changed the oil and filter, Phillips 20W/50. Inspected the filter, look Blackstone oil sample. Inspected all controls, hoses, and wiring. 4-24 cowl shock mounts. Inspected and cleaned the fuel screen. Ran lecked, no leaks noted. I certify this engine has been inspected IAW an and was determined to be in airworthy condition. Compressions: #1—64/80 #3—70/80 #5—72/80
					#2-66/80 #4-66/80 #6-70/80
			Ken	ort 2	Melcel A&P 452760326 IA
			Kenneth	Medcalf	A&P 452960326 IA
			ENGINE LO	og	Gafford Aero, Inc. 1833 Airport Dr., San Marcos, TX 78666 (512) 396-3323 info@gaffordaero.com Date: 7/7/2023 N: 5412N Tach: 244.1 TT: 244.1
			plugs, che tested the Inspected and wiring	cked come plugs. No the filter g. Inspect ertify this	ial inspection IAW the scope and detail of FAR 43, Appendix D. Removed appressions, timing, induction, and exhaust systems. Cleaned, gapped, and lot rotated at this time. Changed the oil and filter, Phillips 20W/50. The metal noted, took Blackstone oil sample. Inspected all controls, hoses, ted and cleaned the fuel screen. Ran engine and leak checked, no leaks sengine has been inspected IAW an annual inspection and was determined condition. Compressions: #1—72/80 #3—68/80 #5—74/80 #2—62/80 #4—64/80 #6—68/80
			Kenneth K	Medcalf	Mecel
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soven sta	Total Time		Total Time		Total Time Since Last Overhaul		Engine Service and Maintenance Record				
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part removal and installation and compliance with inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins						
arried forward —		-			April 1997						
	1000										
					THE RESERVE THE PROPERTY OF THE PARTY OF THE						
			MI EMP								