ENGINE LOG BOOK



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

Printed:09/28/2017 Test Daten9/27/2017

This engine model I0550C49B, serial number 1034576 was manufactured by Continental Motors, Inc. in accordance with approved design data and the applicable requirements of 14 CFR, Part 21. The approved design data for this engine incorporates all changes required by applicable FAA Airworthiness Directives and Continental Motors Service Bulletins.

CONTINENTAL MOTORS, INC.

Form 6012-03 (Rev Sept 2014

	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record				
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part remoinstallation and compliance with inspections, Airworthiness Dispecial Inspections, Modifications and Service Bulletins	val and rectives			
		_	<u> </u>			,			
	Madison A	Air Cente	er, 7450	Old Car	nton Rd., Madison, MS, 39110 (601) 853-9358				
	Co	Left ontinent	Engine N al IO-550	//aintena	nce Entry N328M October 27, 2017 S/N: 1034576 Hobbs: 1796.3 Engine TTSN: 0.0				
		stalled D	<u>ns</u> 'Shannon	Aviation	baffling kit sn D4992 per STC SA09220SC reissue date June	-			
	2) in	7, 2011. stalled e	ngine with	new Lo	rd mounts pn J10778-16 and new Teflon flammable fluid hose on Hose Technology, Tulsa, OK.				
	2\ D.	ninetallac	i avhalist	system a	after inspection and repair by Dawley Aviation FAA CRS 279 dated 10/23/17.				
	4) D	ainatallac	t propelle	r nn PHC	C-J3YF-2UF sn ED446B after overhaul by First Flight Propeller, n work order 2294 dated 10/12/17.				
	5) G	round rai	n engine a	and set to	uel system per Continental SD97-3, no leaks noted.				
		rmed by	Charles f	₹. Норре	er, David C. Entrekin and R. G. Sheridan Stephen Brent				
	Duncan. /	AP II	100-						
	Charles R.		yyv-						
	AP 356458) <u>.</u> .			24 Medison MS 39110 (601) 853-9358	:			
<u>М</u>	adison Air	Center	7450 O	intenano	on Rd., Madison, MS, 39110 (601) 853-9358 ce Entry N328M January 24, 2018 N: 1034576 Hobbs: 1814.6 Engine TTSN: 18.3	, :			
	Conf	tinental l	10-550-C	4915 0					
<u>M</u>	Installed X/C 20V	e Action oil and r d new Cl- N50 engl	<u>s</u> emoved f ∤48108-1 ine oil and	ilter. Oil s oil filter a I one bot	sample taken mid stream. Inspected filter with no metal noted. and safetied. Serviced engine sump with 11 quarts Phillips tle of Camguard. Washed engine. Ground ran. No leaks				
	noted	·	ı ku David	.C. Entre	ekin and Stephen Brent Duncan.				
	Work p	ertormed (//	MAN	M	the state of the s				
	David C. Er	atrokin	Wet i	cro		<u>-</u>			
	Javid G. Ei AP 339855	7		=	en grande en				
	Ladinon Ai	r Contor	- 7450 O	ıld Canto	on Rd., Madison, MS, 39110 (601) 853-9358	1			
		1 **	F 1 N	//ointena	nce Entry N328M April 16, 2018 N: 684472 Hobbs: 1824.9 Engine TTSN: 38.6	:			
— <u>M</u>	<u>aintenance</u>	e Action	<u>s</u> annual ins	enection/	maintenance in accordance with Hawker Beechcraft Corp.				
- 1)	Baron 58 N	Viaintena	nce Mant	oression	Check, Results as follows: Left engine: 1) 76/80, 2) 76/80,				
_ 2)	3) 72/80, 4	1) 74/80	5) 75/80,	6) /5/60. ced with	12 guarts Phillips 20W50 XC and one each Champion	<u> </u>			
	Changed CH48108- Installed r	1 filtor (hit open a	เป็น แเรกค	cied iller, no metariodita.				
1,						i			
— S	heridan.				per, David C. Entrekin, Stephen Brent Duncan and R. G.	-			
					checks. No defects noted at this time. ordance with an 100 HOUR INSPECTION, in conjunction with				
aı	n annual in	spection	and was	determin	ned to be in an airworthy condition. END.	} }			
	J)	M	Voll	UL		1			
1	1150		11 4 7500E	57	•	1			

	Total	Time	Time Sir Over		Engine Service and Maintenance	Record
Date	Hours	Min	Hours	Min	Record maintenance actions including engine part installation and compliance with inspections, Airworthine Special Inspections, Modifications and Service Bulletins	
Madisor	n Air Cen	ter, 745	0 Old Ca	nton Ro	d., Madison, MS, 39110 (601) 853-9358	
			Mainten: 0-C49B			
1) Drai Insta	illed new 20W50 er	d remove CH48108	3-1 oil filte	r and sa	e taken mid stream. Inspected filter with no metal noted. fetied. Serviced engine sump with 11 quarts Phillips Camguard. Washed engine. Ground ran. No leaks	
Stephen AP 3735	Brent Dur 203	ncan				
•					4 Madison MS 39110 (601) 853-9358	-
and the Co.	L Contine	eft Engi rical 10-5	ne wains 50-C31	S/N: 684	14/2 Hopps. 1002.5	
<u>Mainten</u>	ance Acti	i <u>ons</u> hr/annua	al inspectio	on/maint	enance in accordance with Hawker Beechcraft Corp.	·
Baron O Perfo	58 Mainte rmed Diffe	enance w erential C	ompressi	on Chec	k. Results as follows: Left engine: 1) 76/80, 2) 66/60,	
3) 74/ 3) Chan	30, 4) 70// ged oil an 109.1 Site	id filter. S e. Cut op	Serviced we sen and in	ith 12 qu spected	arts Phillips 20W50 XC and one each Champion filter, no metal found.	
4) Insta 5) Instal	led new to ed new R	33395 ai	induction ir condition	ner belt.		
Work a	complish	ed by: Cl	narles R. I	⊣opper, l	David C. Entrekin and Stephen Brent Duncan.	<u> </u>
Perform	ed groun	d run and	l operatio	nal checl	ks. No defects noted at this fime. Ice with an 100 HOUR INSPECTION , in conjunction with To be in an airworthy condition. END.	
GIV Service	h dell		MT.			
David	. Entrekir	AP/IA 3	3398557	CAPS	·	:
						1
			= 0 Ola	I Cantor	n Rd., Madison, MS, 39110 (601) 853-9358 E Entry N328M October 24, 2019 E Entry Hobbs: 1922.7 Engine TTSN: 96.3	
	Conti	nental IC	5-550-C49	B S/N	: 1034576 - 110003. 1020	
<u>Mai</u> 1)	ntenance Drained of Installed XXG 20W	Actions	<u>i</u>		ample taken mid stream. Inspected filter with no metal note nd safetied. Serviced engine sump with 12 quarts Phillips e of Camguard. Washed engine. Ground ran. No leaks	d
Lav	vrence D. 2509656) Zavoina	<u>-</u>			2 2

	ACTION OF THE PARTY OF THE PART	
	Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358	ord
	May 20, 2020	<i>91</i> 6 8
Da	110	and
	Confinental 10-550-C31 Site of the Corp	lives,
	Continental 10-550-C31 Site: 604472 Maintenance Actions 1) Performed 100 br/annual inspection Checklist. 2) Performed 100 br/annual inspection Checklist.	
Carried 1		
Julilou	 (a) Degramed Differential Compression Check Needle 3 (b) Performed Differential Compression Check Needle 3 (c) Performed Differential Compression Check Needle 3 (d) Prained Engine oil. Removed filter and inspected with no metal noted. Installed new Champion 30 70/89, 4) 72/80, 5) 75/80, 6) 75/80. (d) Drained Engine oil. Removed filter and inspected with 12 quarts Phillips 20W50 XC. 	
	3) 70/89, 4) 72/80, 3) 75/60 and inspected with no rectal motors and inspected with no rectal motors and safety. Serviced with 12 quarts Phillips 20W50 XC. CH48108-1 filter and saftier. Serviced with 12 quarts Phillips 20W50 XC.	
	CH48100-1 u.B.A. 7305 induction air filter	
•	4) Installed florida.	
	4) Installed new both the second of the seco	
	Performed ground run and operatoric performance with an 100 HOOK More and the performance of the second second performance of the second performance	
	antannelal inspection, and was a second and a second and a second and a second a sec	
	AP Mars	
	C A Horner	
	Charles R. Hopper AP/IA 3564582	
	Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 Madison Air Center, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-9358 May 4, 2021 Left Engine Maintenance Entry	
	Old Canton Rd., Madison, MS, 39110 (601) 605	-
	Madison Air Center, 7450 Old Carron N328M N328M Engine TTSN: 177.4 Left Engine Maintenance Entry Hobbs: 1973.4 Engine TTSN: 177.4	1
	Madison Air Center, 7400 State Maintenance Entry Left Engine Maintenance Entry Hobbs: 1973.4 Engine 115N. 1777 Continental iO-550-C31 S/N: 684472 Hobbs: 1973.4 Engine 115N. 1777	
	Left Engine Maintenance Hobbs: 1973.4 Continental IO-550-C31 S/N: 684472 Hobbs: 1973.4 Continental IO-550-C31 S/N: 684472 Hobbs: 1973.4 Continental IO-550-C31 S/N: 684472 Hobbs: 1973.4 Maintenance Actions 1) Performed 100 hr/annual inspection Checklist.	
	Maintenance Actions Maintenance Actions 1) Performed 100 hr/annual inspection Checklist. Baron 58 Maintenance Manual Inspection Check (MOT 43/80). Results as follows: 1) 64/80, 2) 64/80, 2) Performed Differential Compression Check (MOT 43/80). Results as follows: 1) 64/80, 2) 64/80, 6) 68/80. 2) Performed Differential Compression Check (MOT 43/80). Results as follows: 1) 64/80, 2) 75/80, 4) 64/80, 5) 77/80, 6) 68/80.	i
	Baron and Differential Compression of the land of the	
	2) Perofitted 3. 77/80, 6) 66/60. 3) 75/80, 4) 64/80, 5) 77/80, 6) 66/60. 3) 75/80, 4) 64/80, 5) 77/80, 6) 66/60. 3) 75/80, 4) 64/80, 5) 77/80, 6) 66/60.	,
	1) Pendiffied To Baron 58 Maintenance Manual Inspection (MOT 43/80). Results do To Baron 58 Maintenance Manual Inspection (MOT 43/80). Results do To Baron 58 Maintenance Manual Inspection (MOT 43/80). Results do To Baron 58 Maintenance Manual Inspection (MOT 43/80). Results do To Baron 58 Maintenance Manual Inspection (MOT 43/80). Results do To Motor M	
	Chief new BA-7705 induction an investigation of the chief new BA-7705 induction and investigation of the chief new BA-7705 induction	
<u> </u>	Work accomplished by: Elliott Sanders and Mark A. Ochs. Work accomplished by: Elliott Sanders and Mark A. Ochs. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time. Performed ground run and operational checks. No defects noted at this time.	
	Performed ground run and operational checks. No Hour INSELECTION This engine has been inspected in accordance with an 100 HOUR INSELECTION. This engine has been inspected in accordance with an airworthy condition. END. an annual inspection, and was determined to be in an airworthy condition.	1
	This engine has been impoured to be in an arrangement of the second inspection, and was determined to be in an arrangement.	
	an annual mapos	L
	Mark A. Ochs	
	Anit 32460300	-
	Madison Air, 7450 Old Canton Rd., Madison, MS, 39110 (601) 853-1960	
	Engine Wainterlance Life y Loppe, 4009 4 TSN: 202 4	
	TCM IO-550-C49B S/N: 1034576 HOBBS: 1998.4 1514. 202.1	
	To too 50 70/90 () 70/90 Timed magnetos	
	Performed engine compression test 1) 62/80 2) 68/80 3) 78/80 4) 72/80 5) 79/80 6) 79/80. Timed magnetos	
	to 23* before TDC. Cleaned gapped and inspected spark plages 275 before TDC. Cleaned gapped and inspected gapped and inspected gapped g	
	inspected oil filter. Filter. OK. Installed lew CH46100 Filters OPS check all engine controls. 20W-50 oil. Installed new BA-7705 engine air filters OPS check all engine controls.	
	20 W-50 Oil. Instance 15 April 10 SEO Service Manual Performed ground run and _	
	Performed Annual Inspection in accordance with TCM IO-550 Service Manual. Performed ground run and operational checks. No defects noted at this time.	<u> </u>
	- and its accordance with an ANNUAL INSPECTION and was	
	I certify this Engine has been inspected in accordance with an ANNUAL INSPECTION and was	
	determined to be in an airworthy condition.	
	CM/M/ W	
	Charles R Taylor A&P 3734996 IA	

				'S, 39110 (601) 85.		_nce Record
TCM IO-55	Engine Maintenance Entry N328M 5/12/23 LEFT TCM IO-550-C49B S/N: 1034576 HOBBS: 2019.2 TSMOH: 223.2					
erformed engine com nagneto timing. Clean	etins					
nspected oil filter. Filt 0W-50 oil. Installed n						
Performed Annual Insp perational checks. No			CM IO-550 Se	rvice Manual. Perfor	med ground run and	
certify this Engine ha			ce with an AN	NUAL INSPECTIO	N and was	
i Villa						
harles R Taylor A&P	3734996 IA	•				
201.N			***			
		L_,				
	+	HAW		RVICE CENTE N,MISSISSIPPI	ER →	
	N328M	Lt. Engine	Date 1-15-2025	TSN 236,4 Hm	2032.7	
	filter. Inspected gapped spark p system. Bracke	oil filter. No me ugs. Fuel straine It filter element r	tal found. Service r cleaned. Magne	0/80 (4) 75/80 (5) 76/80 d engine with 12 qts Phill to timing checked and adj 705. Adjusted AC compre No leaks noted.	ips 20W50 X/C oil. Clea usted. Pressure tested exl	ned and
	I certify that th to be in airwor Sheldon A Bu	ermined				



910 MARIA STREET KENNER, LOUISVANA 70062 (504) 469-6751

SELECT AVIATION SERVICES LLC/LUKETAVIOUS AVIA

Attn: BREWER PEARSON 132 ADDERLY BLVD Aircraft: BEECHCRAFT

s/N: TH-1992 Tail No.: N328M-LH Date: 12/5/2024 Engine S/N: 1034576 Engine Model: CONT. 550

MADISON MS 39110 United States

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results. **CURRENT SAMPLE** SAMPLE APPEARS NORMAL. Send next sample at normal interval. Elevated Sample Date: 11/27/2024 OIL ANALYSIS RESULTS IN PARTS PER MILLION *** Analysis Date: 12/4/2024 Silver Magnesium Aluminum Iron Copper Nickel Chromium Lead Silicon Titanium Tin Moly. Sample Number: P55 22.6 1125 2.3 1.4 4.8 N/A M/A 5.9 < 0.1 N/A < 0.1 N/A Cylinder Type: steel (2703)(5.0) (0.1)*** FILTER ANALYSIS RESULTS *** TSN/TSO: 236.7 Stainless Carbon Alloy Bearing Copper Grit Misc. Magn. Alum. Material: Steel Steel Steel Alloy Oil Hours; 13.5 Amount: Filter Hours: 13.5 Oil Added: 1 Type: Filter Wt. (mgs): Flashpoint(deg. F): Form: H20 (ppm): Total Acid No.: Comments: ALL OIL VALUES SEEM FINE, WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE. PREVIOUS SAMPLE 1 SAMPLE APPEARS NORMAL. Send next sample at normal interval. Elevated Sample Date: 4/24/2023 OIL ANALYSIS RESULTS IN PARTS PER MILLION *** Analysis Date: 5/4/2023 Iron Copper Nickel Chromium Silver Magnesium Aluminum Lead Silicon Titanium Tin Moly. Sample Number: P20 36,8 2,8 N/A N/A 1667 N/A 0.2 N/A Cylinder Type: steel (42.1) (5.2) (7.5)(8.7) (7.6)(3428) (5.6) (0.2)FILTER ANALYSIS RESULTS *** TSN/TSO: 223.2 Bearing Stainless Carbon Alloy Copper Silver Magn. Alum. Grit Misc. Material: Steel Steel Steel Aflov Oil Hours: 20.8 Amount: Filter Hours: Oil Added: Type: Filter Wt. (mgs): Flashpoint(deg. F): Form: H20 (ppm): Total Acid No.: Comments; ALL OIL VALUES SEEM FINE, WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE, **PREVIOUS SAMPLE 2** SAMPLE APPEARS NORMAL. Send next sample at normal interval. Elevated Sample Date: 3/29/2022 OIL ANALYSIS RESULTS IN PARTS PER MILLION *** Analysis Date: 4/26/2022 Nickel Chromium Silver Magnesium Aluminum Silicon Titanlum Iron Copper Lead Tin Moly. Sample Number: P63 40.6 4.5 N/A M/A 2770 7.3 N/A < 0.1 N/A 3.6 10.4 11.1 Cylinder Type: steel (8.1) (12.8) (5623) (6.5)(0.4)*** FILTER ANALYSIS RESULTS *** TSN/TSO: 202.4 Stainless Carbon Alloy Bearing Copper Grit Misc. Silver Magn. Alum. Material: Oil Hours: 50 Steel Steel Steel Alloy Amount: Filter Hours: 50 Oil Added: Type: Filter Wt. (mgs): Flashpoint(deg, F): Form: H20 (ppm): Total Acid No.:

Comments: ALL OIL VALUES SEEM FINE. WE WILL CONTINUE TO MONITOR THIS ENGINE WITH YOUR NEXT SAMPLE.