

### **ENGINE MAINTENANCE RECORD**

AIRCRAFT SERIAL AND REGISTRATION 338, N200HS

ENGINE MODEL AND SERIAL TO -55-0-F, 284548-R

D5518-3-13

#### PACIFIC CONTINENTAL ENGINES, INC.

					Engi	ne Wa	arrant	у						1
	Engine Moo	del:	IO-550-F	Engine Serial No.:	284588-		• 8 8	ty Numbe	er:W92	231	Da	te:	11/26/2018	
	PACIFIC ( FIVE HUND)	CONTINE RED (500)	NTAL ENGINES, INC. HOURS, whichever occ	warrants this ENGINE urs first, from date of i	to be free from nstallation or TE	N (10) da	material ys after sl	hipment d	manship under ate, whichever i	normal us s applicab	e for a FULI le.	LTWELV	VE (12) MONTHS or	
	Additions per month e	ally, cylin xcept that	ders, crankshaft and c no labor allowance w	rankcase are further ill exist for the period	warranted on	a pro-rat	RRANT ed basis FIRST	to the rec	commended T. E (12) MONTI	B.O. of th	e engine, a e recomme	t a minin nded T.B	num rate of 40 hours 3.O. of the engine.	
					TERMS	AND CO	ONDITIO	ONS	UDITEN ABORG	VAL Good D	Se Contino	atal Enginee	line and provided all work is	١
		performed a	t prevailing rates with Pacific	Continental Engines, Inc. re	ctaining the option to	furnish all	parts.						s, Inc. and provided all work is	l
	II.		ity is VOID on this engine and ntrary to manufacturer's opera- to engine RPM, temperature.	ting instructions or subject t	o misuse neelect ac	cident use	of improper	fuel, or ope	rated in a manner	illerent irom	its offgmar tr	th certifical	PROVAL or have been ted configuration (such as, but	١
	111.	This warrar	ity expressly excludes shippin	g expense, liability to user o	r passengers, loss of	revenue, or	loss of use	, with referen	nce to operation an	d performance	e of this engine	e. i systems (fi	uel servo, throttle control, fuel	ı
	IV.	pump, flow	divider, nozzle lines, nozzles Controller, and Pressure Relia G Automotive fuels are not	), Carburetor, Magneto, Star of Valve	rter, Alternator, Gene	crator, Vacu	ium Pump.	I ach Genera	nor, Hydraune run	ip, Printer D	vence varve, i	Cumum Oya	stem, Turbo Charger,	١
	V. VI.	The amount	OF TROUBLE-SHOOTING	costs allowed will be the re-	asonable costs under	the circums	stances of id	lentifying the	e need for such repo	irs or replac	ements, but in	no event wi	ill the TROUBLE-SHOOTING	ı
	VII.	Pro-rate wa the current	list price of the replacement e	flows: When repair or repla ngine or part divided by the	annual is made the c	manag mill e	as a net ner	ce for a rent	acement engine or then multiplied by	part utilized the total num	n effecting suc ber of warrant	h repair or i	replacement which will equal actual hours, whichever is	١
	VIII.	Warranty r	the repaired or replaced engine epair or replacement of any pa	art shall not extend this warr	anty beyond the orig	inal warrant	ty time or he	our limitatio	n.	schurer				ı
	IX. X		anufactured component or cyl nty applies to engines installe	2 2 2 14 14 H 16	I decree with I	Carleson Acres	stron Populs	stances emetra	actions for continue	d autworthin	ess, applicable	service bull	letins, service directives, mented by appropriate logbook	
		late	ers, service instructions, the a I the original engine logbook	perall manufacturer or any a	ccessory or compone	ent manufac	turer. Com	phance with	recommended man	ntenance and	1	7	mented by appropriate logbook	ı
	XI.	For all war	ranty situations call (818)899	0-5200 FOR APPROVAL.	Please provide the W	arranty Nu	mber to exp	edite all clai	ims.	Authoris	d Signature		13	J
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DATE	TOTAL TIME												AUTHORIZED SIGNAT	
DATE	IN SERVICE HOURS 10	THS							-				CERTIFICATE TYP & NUMBER	
				ن ن					This engine was overhauled in accordance with CMI manuals M-0, X30605, X30606, X30607, and current Federal Aviation Regulations and is approved for return to service.		23K885L			
				PACIFIC CONTINENTAL ENGINES, INC. 21 W. Easy St. Unit 103 Simi Valley, CA 93065 (818)899-5200 FAX (818)899-5300 FAA APPROVED REPAIR STATION #T2R888L CEDITIEED OVERPAIN TO	<b>"</b>				M-0, X nd is ap	6	2 1			
			II)	IC CONTINENTAL ENGINES  Easy St. Unit 103 Simi Valley, CA (818)899-5200 FAX (818)899-5300  FAA APPROVED REPAIR STATION #T2R8881	NEW ENGINE TOLERANCES ZERO-TIME EQUIVALENT CONTINENTAL MOTORS, INC			9	anuals ons a		Air Age	1710.6		
	1		N.	CONTINENTAL ENGINS SY St. Unit 103 Simi Valley, (g18)899-5200 FAX (g18)899-5300 AX (g18)899-5300 PAX (	W ENGINE TOLERANC ZERO-TIME EQUIVALENT CONTINENTAL MOTORS, I				MI mg gulati	33		i		
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				AC 21.V					as ov 307, a	Ö	gnatu	engin		
-			V	Δ.	II.	1		1	This engine was ove X30606, X30607, ar for return to service.	Work Order NO:	Authorized Signature:	Total time on engine before overhaul		
			V		Make:	Model:	S/N	SMOH	s eng 3606, returr	Š	lhoriz	al tim		
					Σ	ž	26	SM	五 次 克	Wo	A Su	Total		

				DATE	
			HOURS	TOTAL TIME IN SERVICE	
			10THS	VICE	
				DESCRIPTION OF THE WORK PERFORMED	MAINTENANCE RECORD
			& NUMBER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE	

	DATE
	HOURS 10T
	TIME AVICE 10THS

### PACIFIC CONTINENTAL ENGINES, INC.

21 W. Easy St. Unit 103 Simi Valley, CA 93065 (818)899-5200 FAX (818)899-5300 FAA APPROVED REPAIR STATION #TZ3R885L

RECORD OF ACCESSORIES AND MAJOR PARTS SHIPPED WITH ENGINE

<u>DESCRIPTION</u> Alternator	PART NUMBER	SERIAL NUMBER	STATUS	П	TSO	WORK BY
Starter LH Magneto RH Magneto Throttle/Control Fuel Pump Flow Divider Oil Cooler	646238-2 BL-500556-1 BL-500556-1 629399A8 646212-45A3 646508-15A1 652661-1	H-S101125 D18EA299R D18EA303R A00EA162R B04AA002R C05CA130R K94-1959-241	O R R O O O O	N/A 0 0 N/A N/A N/A N/A	0 0 0 0 0	HARTZELL CMI CMI D&G D&G D&G D&G Pac Oil
NOZZLE ASM:	627735-D12D	SPARK PLUGS: URH	B32E HA	ARNESS:	10-42	3674-1

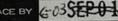
COMMENTS:

Installed SAP new cylinder kits p/n SA55006-A20P (s/n's 556J181-596, -598, -600, -602, -604, and -606), camshaft p/n 655384, and lifter p/n's SA646277 and SA628488. Installed CMI new crankshaft assembly p/n 646623 s/n N18DA047 (CMI 8130-3 #528768). Reinstalled crankcase c/n 649042/3 s/n 871061S after repair by CSI on FAA form 8130-3 #CSI-22290. Complied with the following CMI service bulletins: 639, MSB645, CSB96-8, MSB96-10B, SB97-6B, and MSB09-8A, Complied with the following FAA AD's: 2005-12-06, and 2010-11-04 (see attached AD compliance listing).Authorized Signature: \_ #TZ3R885L).---END---(Air Agency

10-423674-1

N - NEW O - OHC R - REBUILT AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

# AIRCRAFT LOG BOOK





THIS ELT EQUIPPED WITH ALKALINE
BATTERY PACK P/N BP-1030 WT. 81bs
REPLACE BY GOSEPO L

MERL, INC. (203) 237-8811
P.O.BOX 188
1777 N. COLONY RD. MERIDEN, CT. 06450 USA

## AIRCRAFT (HEAVIER-THAN-AIR)

AIRCRA	AFT
	Nationality and Registration Marks G-AWYH
	Type of Aircraft AERO COMMANDER 200 D
	Constructor AERO COMMANDER - ALBANY DIV'N.
	Constructor's No. 338 Date of Construction 21-SEPT-1966 CHANGED TO: N 200 HS 2/19/82
OPERAT	
	Name H. H. SPENGLER
	Address . WEVADA
	Name JAMES BAKER
	Address GOODLAND, KANSAS
	Name Marvia R. May
	Address (67749)
	Name
	Address
	Name
	Address

nance work uls, repairs, s occurring entries in ing out the

done on the aircraft.
replacements, modifications and mandatory inspections to the aircraft or its equipment.
in the aircraft or its equipment and of the rectification of such defects including a
the Technical Log.
overhaul, repair, etc., all mandatory requirements applicable thereto have been complied with.

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46350

November 12, 2015 Tach 857.3 Total 1069.3 N200HS 200D s/n 338

Completed annual inspection I/a/w Far 43 appendix D. c/w Far 91.207d, 12 month inspection of the ELT, replaced battery, 7, 2017. Replaced right nav bulb. Replaced left landing light. Replaced vacuum hose and b35-1A filter. Replaced defective aged fuel hoses in left wing root. Followed lubrication schedule, performed landing gear retraction tests. C/w AD76-07-12 operational inspection of mag switch. I certify that this aircraft has been inspected I/a/w an annual inspection and was determined airworthy at this time.

ATTO	67E3	A STATES
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DATE	Number of Flights	DURATION OF	FLIGHTS	TIME SINCE I OF CERTIFIC AIRWORTI (4)	CATE OF HINESS	(1) Particulars of all maintenance work (2) Particulars of all overhauls, repairs, (3) Particulars of any defects occurring reference to the relevant entries in (4) Certificate that in carrying out the	done or replacer in the the Tec- overhau
(1)	(2)	Hours	MINS.	Hours	MINS.		
Found Brought Forward	an be Ap Ne Da Ed " s	Certify that the distance of tested and pendix E. All ext test due: 2/10/00 F's Avionics, In Certify that in Self to the distance of the dista	em test red found to distinct the limiter of the left	equired by Foo comply with the second	ted to 20,000  OL LaPorte, IN Part Model: P1.413 has be appendix F. Intion under Wheel: DEDR670L	as comply with Part 43 Appendix E". Signed: Date: 2 10 00 For: CRS # QEDR670L Ed's Avionics, Inc. 2002 S. 150 W. LaPorte, IN 46350  46350 To 76 Abeen tested Pertinent Lork Order	P 2 2 R fit p o h a
Total Carried Forward	Reins and co	stallation of d tested in a mply with a rcraft Equip ork order # 1	KLN89 ccordan Il tests. ment Li 1443. Si nics Inc.	GPS System Ce with FAI Made approst. Ref. For igned: CRS# QEI	m installed b R 23.1301 a opriate revis rm 337 filed DR670L, La	Tach: 679.57 Ingineering PM 1000II. Also inspected By persons unknown. Units were installed Ind manufacturer specification, and does It ion Aircraft Weight and Balance and It is date. For further details reference  Porte, In 46350  Load = 789.23  CG = 28.83	

maintenance work overhauls, repairs, defects occurring elevant entries in carrying out the

1-5606 FAIR.

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done on the aircraft. replacements, modifications and mandatory inspections to the aircraft or its equipment. in the aircraft or its equipment and of the rectification of such defects including a overhaul, repair, etc., all mandatory requirements applicable thereto have been complied with.

REMOVED AND REPAIRED LH MAIN GEAR "A" FRAME, REBUSHED ENTIRE LH MAIN GEAR AT PIVOT POINTS. REBUSHED NOSE GEAR AND RH MAIN GEAR AT SCISSORS. INSTALLED PATCH OUT BOARD OF RH MAIN FUEL TANK COVER, REPAIRED THROTTLE PIUOT POINT, REPLACED ELT BATT EXPIRES 9-01. GREASED WHEEL BEARINGS, REPAIRED NOSE BOWL ATTACH POINTS.

> Date 8-19-99 Tach Time 623. Total Time 835. that this AIRCRACT has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Tecumseh Aircraft F.A.A. Approved Repair Station #0W2R072L 1/2

In Bust

SERVICE CLASS	I hereby authorize the following repair work to be done along with the necessary material, FOUST ORD.# COUNTY AVIATION SERVICE LLC		
REGULAR	I hereby authorize the following repair work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate and ly the alcraft herein described for the purpose of testing and/or inspection. An express mechanic's lien is hereby acknowledged on this aircraft to secure the amount of repairs thereto. You will not be held responsible for loss or damage to the aircraft or articles left in case of fire, theft, or any other cause beyond your control. If it becomes necessary for you to employ a collection agency and/or an attorney to collect this account., I the undersigned agree to pay all court costs plus a reasonable attorney's fee and/or collection agency fee.	-	
ELECTRONIC	is hereby acknowledged on this aircraft to secure the amount of repairs thereo. You will not be held responsible for loss or damage to the aircraft or articles left in case of fire, theft, or any other cause beyond your control. If it becomes necessary for you to employ		
INTER DEPT.	a collection agency and/or an attorney to collect this account., I the undersigned agree to pay all court costs plus a reasonable attorney's fee and/or collection agency fee.		
OTHER	Y CHARGE OK'D		
	QUAN. PART NUMBER AND DESCRIPTION UNIT PRICE TOTAL AMOUNT NAME	1	
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	The state of the s		
	"THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. "PERTINENT DETAILS OF THE REPAIR ARE ON		
	FILE AT THIS REPAIR STATION UNDER  "The limited warranties applying to the parts listed hereon are those which may be offered by the manufacturer. We	TOTAL	
	ORDER NO	TOTAL	
	SIGNED (SIGNATURE OF AUTHORIZED REPRESENTATIVE)  FOR (REPAIR STATION NAME)  FOR (REPAIR STATION NAME)	PARTS	
	profits or income, or any other incidental damages."	OUTSIDE REPAIRS	
	(CERTIFICATE NO.) (ADDRESS OF STATION)  REMARKS AND RECOMMENDATIONS FOR REPAIRS  QTY. S AMOUNT  S AMOUNT	GAS, OIL	
	1. GALLONS GAS OCTANE	SOLVENT ENVIRO. CHG.	
ESTIMATED SERVICE DATE:	ACCEPTANCE OF REPAIRED AIRCRAFT: At time of delivery of said aircraft, the undersigned has read and examined all notations in the "Remarks and Recommendations Section"  OUARTS OIE 150 WITH MINERAL ASHLESS INCOME.	SUB- TOTAL	NITE LE
SERVICE DATE:	has read and examined all notations in the "Remarks and Recommendations Section" 2c4 QUARTS OIL SUIT AND DISPERSANT BANKS OIL SUIT BANKS OIL		
1-1	as set forth herein above, hereby ratifying the original repair service except as modified.	TAX	
	OWNER'S  If any of ABOVE NOT subject to state  tax, enter on bottom line (above).	TOTAL	
	SIGNATURE ALX, EMEP ON DOLLOW LINE (ADOVE).		State of the same

N-200 HS OLIVER WALLACE - LORD MOUNTS (45ETS) J-6545-1 HYD PUMP OVERHAUL QUALITY ACT ACCESS TULSA, OF - NOSES SPECIALTY HOSE # AEROSPACE 330 497-9650 - VACUUM POMP? ORD#515286001 8/25/16 -VACUUM POMP? - ALTERNATOR BELT 5 - ENGINE MOUNT BOLTS - TACH PLACARD -MP GAUGE 9 - GOVERNOR LCONNECT LREARAMANIFOLD HOSE + CONNECT FUEL PUMP DRAIN HOSE NORTH CANTON OH CANTON, O, - PLACARD OIL CAP - BATTERY LEADS SPECIALTY HOSE CORP , LENGTH ) WHENCH - SCATTS 5 HOSES 3/8 - HYD PUMP DRAIN -SPIDER DRAIN HOSE 1 36" 5 OIC 1/QTS20/50M / 27" 1/16 = RESOURDENTO HYDPUMB 39/2 TNOSE GEAR CYL 9/16 - FIREWALL TO AFT F PUNK 9/16 - BOTTOM FOEL PUMP/ I SIDE (DOWN - FLAP CYLZ. 1574 - 11 QTS 2950M 14/2" 16-TOPHYO BLOCK TORSIDE HYD PUMP - FUEL PRESS LOW 200 RPH Y 14 (FS) 16-LSIDE F. PUMP STRAIT TO FIREWALL 91-T-BODY TOP TO F. PUMP RIGHT 3/8 FUEL PUMP BOTTOM DRAIN -FLAP IND INOP 251/2" -TAILCONE HITS (LEFT) 9/6 DIVIDER (SCATT) 33/4" - BATTERY LEADS FWD RSIDE FLOW BUIDER TO 39,5" - SPINNER FUD BOCKHEAD 16 CO-PILOT FIREWALL MOST OUTBOARD 16/4" 9/16 TO I MANIFOLD

3/8 DRAIN THROUGH GEAR TUNNEL

DE FROM LENGINE Y TIE-UP DRAIN HOSES 26/2 -HYD FLUID bil pressure from Lengine 91/2 - HYD FLUID DIPSTICK

N-2004S PARTS & ShIPPING L LORD MOUNTS \$515 L VAC PUMP \$218 Proocone core shi Y GOVERNOR V HYD PUMP \$1097 5h, P 27,10

- HOSES \$\figs \figs \figs \text{268.71 \\ \figs \text{27.00}}{\text{70EL FLOW}}

- FUEL FLOW \$\figs \figs \figs \text{23.30} Y FUEL FLOW - TACH & MP F751,20 LEADS the Rotes, 100 (400 RPAY) - HANG PROP CABLE REAR SUPPORT - IFR CERT