



Pacific Continental Engines, Inc.
FAA #TZ3R885L • 818-899-5200

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 338, N200HS

ENGINE MODEL AND SERIAL IO-550-F, 284588-R

D5518-3-13

Engine Warranty

Engine Model: IO-550-F Engine Serial No.: 284588-R Warranty Number: W9231 Date: 11/26/2018

FULL WARRANTY

PACIFIC CONTINENTAL ENGINES, INC. warrants this ENGINE to be free from defects in material and workmanship under normal use for a FULL TWELVE (12) MONTHS or FIVE HUNDRED (500) HOURS, whichever occurs first, from date of installation or TEN (10) days after shipment date, whichever is applicable.

LIMITED WARRANTY

Additionally, cylinders, crankshaft and crankcase are further warranted on a pro-rated basis to the recommended T.B.O. of the engine, at a minimum rate of 40 hours per month except that no labor allowance will exist for the period between the end of the FIRST TWELVE (12) MONTHS and the recommended T.B.O. of the engine.

TERMS AND CONDITIONS

- I. Warranty service may be accomplished at facilities other than Pacific Continental Engines, Inc. but ONLY AFTER PRIOR WRITTEN APPROVAL from Pacific Continental Engines, Inc. and provided all work is performed at prevailing rates with Pacific Continental Engines, Inc. retaining the option to furnish all parts.
- II. This warranty is VOID on this engine and its accessories if they have been repaired or altered outside the Pacific Continental Engines, Inc. facility WITHOUT PRIOR WRITTEN APPROVAL or have been operated contrary to manufacturer's operating instructions or subject to misuse, neglect, accident, use of improper fuel, or operated in a manner different from its original FAA certificated configuration (such as, but not limited to engine RPM, temperature, manifold pressure, fuel flow, and improper adjustment), subsequent to installation or shipment from Pacific Continental Engines, Inc.
- III. This warranty expressly excludes shipping expense, liability to user or passengers, loss of revenue, or loss of use, with reference to operation and performance of this engine.
- IV. All engine accessories are guaranteed for one year or 500 hours, whichever occurs first. Engine accessories are defined as follows: Continental and Lycoming fuel injection systems (fuel servo, throttle control, fuel pump, flow divider, nozzle lines, nozzles), Carburetor, Magneto, Starter, Alternator, Generator, Vacuum Pump, Tach Generator, Hydraulic Pump, Primer Divertor Valve, Exhaust System, Turbo Charger, Wastegate, Controller, and Pressure Relief Valve.
- V. **WARNING:** Automotive fuels are not recommended for use in aircraft engines. The use of any fuel other than the proper octane of an aviation grade fuel will void all warranties.
- VI. The amount of TROUBLE-SHOOTING costs allowed will be the reasonable costs under the circumstances of identifying the need for such repairs or replacements, but in no event will the TROUBLE-SHOOTING cost allowance exceed fifteen percent (15%) of the reasonable labor costs associated with such repairs or replacements.
- VII. Pro-rate warranty will be computed as follows: When repair or replacement is made the owner will pay a net price for a replacement engine or part utilized in effecting such repair or replacement which will equal the current list price of the replacement engine or part divided by the total number of hours of warranty coverage (TBO) and then multiplied by the total number of warranty hours or actual hours, whichever is greater, on the repaired or replaced engine.
- VIII. Warranty repair or replacement of any part shall not extend this warranty beyond the original warranty time or hour limitation.
- IX. Original manufactured component or cylinder warranty registration documentation must be completed and registered with the respective manufacturer.
- X. This warranty applies to engines installed, inspected and maintained in accordance with Federal Aviation Regulations, instructions for continued airworthiness, applicable service bulletins, service directives, service letters, service instructions, the aircraft manufacturer or any accessory or component manufacturer. Compliance with recommended maintenance and inspections must be documented by appropriate logbook entries, and the original engine logbook must be made available to representatives of PCE when applying for warranty consideration.
- XI. For all warranty situations call (818)899-5200 FOR APPROVAL. Please provide the Warranty Number to expedite all claims.

Authorized Signature

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MAINTENANCE RECORD

[illegible]

BOARD OF TRADE

FORM C.A. 27

AIRCRAFT LOG BOOK

THIS ELT EQUIPPED WITH ALKALINE
BATTERY PACK P/N BP-1030 WT. 8lbs

REPLACE BY ~~6-03 SEP-01~~



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

AIRCRAFT (HEAVIER-THAN-AIR)

AIRCRAFT

Nationality and Registration Marks..... G-AWYH
Type of Aircraft..... AERO COMMANDER 200D
Constructor..... AERO COMMANDER - ALBANY DIV'N.
Constructor's No. 338 Date of Construction..... 21-SEPT-1966
CHANGED TO: N 200 HS 2/19/82

OPERATOR

Name..... H. H. SPENGLER
Address..... [REDACTED] NEVADA
Name..... JAMES BAKER
Address..... [REDACTED] GOODLAND, KANSAS
Name..... Marvin R. May
Address..... [REDACTED] KE 67749
Name.....
Address.....
Name.....
Address.....

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entries in
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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
the Technical Log.
overhaul, repair, etc., all mandatory requirements applicable thereto have been complied with.

(5)

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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. [REDACTED] AF [REDACTED] A

AIRCRAFT

DATE (1)	Number of Flights (2)	DURATION OF FLIGHTS (3)		TIME SINCE RENEWAL OF CERTIFICATE OF AIRWORTHINESS (4)		(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 on the replacement in the air the Techn overhaul, n
		HOURS	MINS.	HOURS	MINS.		
Total Brought Forward ..						<p>"I Certify that this Altimeter Model: <u>Instruments</u> s/n: <u>D43-33</u> and Static System test required by FAR 91.411 has been tested and found to comply with Part 43 Appendix E. Altimeter has been tested to <u>20,000</u> ft. Next test due: <u>2/10/02</u> Signed: <u>[Signature]</u> Date: <u>2/10/00</u> For: CRS QEDR670L Ed's Avionics, Inc. 2002 S. 150 W. LaPorte, IN 46350</p> <p>"I Certify that the Data Correspondence test required by FAR 91.217 and 91.411 has been tested and found to comply with Part 43 Appendix E". Signed: <u>[Signature]</u> Date: <u>2/10/00</u> For: CRS # QEDR670L Ed's Avionics, Inc. 2002 S. 150 W. LaPorte, IN 46350</p> <p>"I Certify that this ATC Transponder Model: <u>KT-76A</u> s/n: <u>841140</u> test required by FAR 91.413 has been tested and found to comply with Part 43 Appendix F. Pertinent details are on file at this Repair Station under Work Order No.: <u>1466</u> Date: <u>2/10/00</u> Signed: <u>[Signature]</u> Date Due: <u>2/10/02</u> For: CRS # QEDR670L Ed's Avionics, Inc. 2002 S. 150 W. LaPorte, IN 46350</p>	<p>Nov 2001 Co 91.2 2017 Repl fuel perfo oper has t airw</p>
						<p>N200HS Date: 02/16/00 Tach: 679.57 Removed a Flight Com 403. Installed a PS Engineering PM 1000II. Also inspected installation of KLN89 GPS System installed by persons unknown. Units were installed and tested in accordance with FAR 23.1301 and manufacturer specification, and does comply with all tests. Made appropriate revision Aircraft Weight and Balance and Aircraft Equipment List. Ref. Form 337 filed this date. For further details reference work order # 1443. Signed: <u>[Signature]</u> for Ed's Avionics Inc. CRS# QEDR670L, LaPorte, In 46350 Empty Weight = 2210.77 Useful Load = 789.23 CG = 28.83</p>	
Total Carried Forward							

maintenance work
overhauls, repairs,
defects occurring
relevant entries in
carrying 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.

(5)

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 PIVOT 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. I certify
that this AIRCRAFT 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 11-10-99

1-5606 & AIR.

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HOWELL & MICH. 48844

ARO-NC

<p>"The limited warranties applying to the parts listed hereon are those which may be offered by the manufacturer. We hereby expressly disclaim all warranties, either expressed or implied, including any implied warranties of the merchantability or fitness for a particular purpose and neither assume, nor authorize any other person to assume for the company any liability in connection with the sale of this part(s) and/or service. Buyer shall not be entitled to recover from the company any consequential damages, to property, damages for loss of use, loss of time, loss of profits or income, or any other incidental damages."</p>					TOTAL SERVICE
					TOTAL PARTS
GAS, OIL & SOLVENT				COMMENTS	
QTY.			\$ AMOUNT		
	GALLONS	GAS _____ OCTANE			
2CA	QUARTS	OIL 20/50.1 WT. MINERAL ASHLESS DISPERSANT			
SOLVENT				ENVIRONMENTAL CHARGES	
If any of ABOVE NOT subject to state tax, enter on bottom line (above).			TOTAL		
					TOTAL

N-200 HS
OLIVER WALLACE

- ✓ LORD MOUNTS (4 SETS) J-6545-1 P/N 67A025
- ✓ HYD PUMP OVERHAUL QUALITY ACT ACCESS. TULSA, OK 330 497-9650
- ✓ NOSES SPECIALTY HOSE AEROSPACE 8/25/16
ORD# 515286001
- ✓ VACUUM PUMP?
- ✓ ALTERNATOR VICTOR.
- ✓ BELT
- ✓ ENGINE MOUNT BOLTS
- ✓ TACH PLACARD
- ✓ MP GAUGE
- ✓ GOVERNOR

- ✓ CONNECT L REAR MANIFOLD HOSE
- ✓ CONNECT FUEL PUMP DRAIN HOSE
- ✓ PLACARD OIL CAP

✓ BATTERY LEADS

✓ SCATTS

- | | | LENGTH | WRENCH | HOSES |
|---------------------------|---|----------|--------|--|
| ✓ SPIDER DRAIN HOSE | ✓ | 36" | 3/8 | - HYD PUMP DRAIN |
| ✓ OIL 11 QTS 20/50M | ✓ | 27" | 1/16 | - RESERVOIR TO HYD PUMP |
| ✓ NOSE GEAR CYL | ✓ | 39 1/2" | 9/16 | - FIREWALL TO AFT F PUMP |
| ✓ FLAP CYL | ✓ | 15 3/4" | 9/16 | - BOTTOM FUEL PUMP / T BODY |
| ✓ 11 QTS 20/50M | ✓ | 14 1/2" | 1/16 | - TOP HYD BLOCK TO R SIDE HYD PUMP |
| ✓ FUEL PRESS LOW 2900 RPM | ✓ | 14" (FS) | 1/16 | - L SIDE F. PUMP STRAIT TO FIREWALL |
| ✓ FLAP IND INOP | ✓ | 11" | 9/16 | - T BODY TOP TO F. PUMP RIGHT |
| ✓ TAIL CONE HITS (LEFT) | ✓ | 25 1/2" | 3/8 | - FUEL PUMP BOTTOM DRAIN |
| ✓ BATTERY LEADS | ✓ | 33 1/4" | 9/16 | - FROM L SIDE T-BODY TO FLOW DIVIDER (SCATT) |
| ✓ SPINNER FWD BULKHEAD | ✓ | 39.5" | 9/16 | - FWD R SIDE FLOW DIVIDER TO CO-PILOT FIREWALL MOST OUTBOARD |
| ✓ TIE-UP DRAIN HOSES | ✓ | 16 1/4" | 9/16 | - 10 PRES (MP) CTR CO PILOT FWALL TO I MANIFOLD |
| ✓ HYD FLUID | ✓ | 26 1/2" | 3/8 | - LEFT REAR BOTTOM I MANIFOLD DRAIN THROUGH GEAR TUNNEL |
| ✓ HYD FLUID DIPSTICK | ✓ | 9 1/2" | | - OIL PRESSURE FROM ENGINE |

DAVE

NORTH CANTON, OH
CANTON, OH

N-200HS PARTS & SHIPPING

- ✓ ALTERNATOR $\$495$ $\$614.64$ SHIP CORE 36.15 FGT $\$19.64$
 ~~$\$100$ CORE~~
- ✓ LORD MOUNTS $\$515$
- ✓ VAC PUMP $\$218$ $\$100$ CORE CORE SHIP $\$11.75$
- ✓ BOLTS $\$9.01$
- ✓ GOVERNOR $\$1,480$ IS SHIP
- ✓ HYD PUMP $\$1,097$ SHIP 27.10 SHIP OUT $\$23.50$
- ✓ HOSES $\$668.71$ OUT $\$10$ IN
TO OTTO
- ✓ FUEL FLOW $\$23.30$
- ✓ ^{NEW} TACH & MP $\$751.20$
- ✓ LEADS
- ~~✓ FUEL PRESS. LOW (900 RPM)~~
- ✓ HANG PROP CABLE REAR SUPPORT (CLAMP)
- IFR CERT