

#2

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N317KM

Engine Manufacturer TCM

Model IO-550-N(SD)

Serial No. 691522

Date installed on aircraft 6-25-2017

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> Right | <input type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |

Page No. _____

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

ZEPHYR AIRCRAFT ENGINES INC.39320 Avenue B Zephyrhills FL. 33542
(813) 788-3305, FAX (813) 788-4412W.O. No. 217036

N317KM

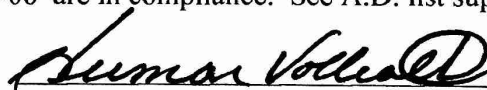
Dated April 27, 2017Mfg. ContinentalModel IO-550-N spec (50)Serial No. 691522

Engine Total Time. _____

Time since Major Overhaul. 0.00

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits. The Engine was disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual, and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. #217036 listed above. All applicable Airworthiness Directives thru 2017-08 are in compliance. See A.D. list supplied.

F.A.A. APPROVED REPAIR STATION #V14R397M



Authorized Signature

Herman Vollrath

New TCM cylinders installed, following list of S/N. #'s

(1) AC17BA178, (2) AC17BA093, (3) AC17BA105, (4) AC17BA154, (5) AC17BA175, (6) AC17BA314

Components, Accessories, & Related Parts supplied or installed.

			Overhauled	Repaired	Not Repaired
Throttle Body	P/N. 653353-8A1	S/N. A07KA052	X		
Fuel Flow Divider.	P/N. 646433-9A4A	S/N. C07KA057	X		
Fuel Pump	P/N. ETI-SR22-2-12	S/N. GP5699	X		
Magneto (Left)	P/N. 10-500556-101	S/N. D07KA098	X		
Magneto (Right)	P/N. 10-500556-101	S/N. D07KA135	X		
Fuel Nozzles	P/N. 639368GT19B	S/N. N/A		Clean & Inspected	
Starter Motor	P/N. PL13484	S/N. 1700419		(NEW)	
Spark Plugs	P/N. URHB-32S (NEW)				
Ignition Harness	P/N. 10-423674-33 (NEW)				
Oil Filter	P/N. CH-48103-1				

BENDER AVIATION SERVICES INC.

1000 N. HERCULES AVE. CLEARWATER, FLORIDA 33765

PH: 727-447-8122

CIRRUS SR22

N317KM

s/n-2942

CONTINENTAL

IO-550-N7

s/n691522

5-25-2017

Hobbs 1,461.1


AFTT 1,461.1

EngTT 1,461.1

EngTSMOH-0-

Reinstalled overhauled Teledyne Continental IO-550-N7 s/n691522; Engine was overhauled by Zephyr Aircraft Engines Inc. under WO#217036; Inspected/reinstalled existing serviceable alternator and overhauled alternator drive coupling p/n-646655, Alternator #2 and alt. drive coupling; Reinstalled overhauled Hartzell wastegate valve assy p/n477233-0003 s/n-52750, Hartzell wastegate p/n470842-0004 s/n-KHN00298, Hartzell turbochargers p/n-466304-0003 (left s/n- H-SCL00044)(right s/n-H-SCL00047); Replaced all fuel/oil hoses and all associated turbo alley hoses; Installed overhauled propeller governor p/n C290D3R/T23 s/n-071507 w/ new base gasket; Reinstalled existing serviceable propeller after propeller flush-work performed by Sunstate propeller under WO#17879; Serviced engine w/ Phillips 20W50 oil and performed engine pre-oil; Installed new turbo wastegate interconnect cable p/n22-560009 and rigged per TornadoTurboAlley rigging instructions; Ran engine for leak checks and system operational checks-all checks satisfactory; Performed engine fuel system referencing TCM SID97-3f; Ran engine for complete operational/ performance checks-all checks satisfactory.

Signed


3162764A/P

TOTALS-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Date: July 19, 2017 **Hobbs Time**
S/N. 691522

Engine T.T.
N317KM

Model: IO-550-N (50)
ZAE W.O. 217158

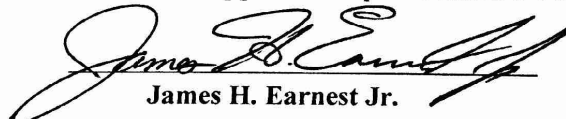
Engine disassembled for repair due to prop strike inspection per TCMS.B.96-11B. All parts cleaned, steel parts magnafluxed, all other parts inspected. Engine reassembled in accordance with TCM Publication manual M-16. [AD 97-26-17] crankshaft S/N.N07JA034 UT inspected per TCM MSB 96-10, all done by D&S Camshaft Corporation CRS# D13R133Y. Following parts were used in repair, gasket set, new **STD** main bearing set, new **STD** rod bearings, rod bolts, rod nuts, face gear bolts, new lock plates, [2]12 point nuts, crank gear bolts, cam gear bolts, nose seal, woodruff key, mag drive cushions, all crankshaft blade & counterweight bushings, damper pins, plates & snap rings, O-rings, upper deck seals, (2) mag harness gaskets, lock tabs, oil filter, (12) spark plugs gaskets, roller bearing, ball bearings, snap ring, needle bearings, Reinstalled cylinders #(1,2,3,4,5,6) as removed, Installed (2) O/H Bendix magnetos. The following accessories were re-installed no work done at this time. Fuel pump, Flow Divider, Throttle body, ignition harness, spark plugs. The following recurring AD'S were C/W, AD's , 2010-11-04 is N/A by P/N of lifters. 2012-03-06 is N/A., 2012-10-13 N/A per P/N. Of starter adapter, 2014-05-29 is N/A per. Manufacture Of cylinders. Engine was test run, Continuing time on engine. Complete parts list for repair supplied with engine. No other work or accessories done at this time by this agency.

-End of work done-

This engine or appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. # 217158 listed above.

Zephyr Aircraft Engines Inc.
39320 B ave.
Zephyrhills, Florida 33542

F.A.A. Approved Repair Station # VI4R597M


James H. Earnest Jr.
Authorized Signature

813-788-3305

BENDER AVIATION SERVICES INC.

1000 N. HERCULES AVE. CLEARWATER, FLORIDA 33765

PH: 727-447-8122

CIRRUS SR22

N317KM

s/n-2942

CONTINENTAL

IO-550-N7

s/n691522

8-1-2017 Eng.Hobbs 00.00 Flt Hobbs 1,461.9 AFTT 1,461.9 EngTT 1,461.9 EngTSMOH .8hrs

Removed engine due to propeller strike; Engine teardown inspection was performed by Zephr Aircraft Engines Inc. under WO#217158; Reinstalled all existing engine accessories; Installed overhauled magnetos; Reinstalled overhauled propeller see prop log for details; Serviced engine w/ Phillips 20W50 oil and performed engine pre-oil; Ran engine for leak checks and system operational checks-all checks satisfactory; Performed engine fuel system referencing TCM SID97-3f; Ran engine for complete operational/ performance checks-all checks satisfactory. Checked Airworthiness thru 2017-14 T-data.

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was determined to be in an airworthy condition.

Signed

A/P3162764/A

Date: 8-11-2017

N317KM

Hobbs: 9.9

Changed oil and oil filter, serviced with 8qts of Phillips 20/50 oil and one CH48108-1 oil filter. Cut old filter, no anomalies noted. Ran engine to check for leaks, none found.

Signed

A&P2787749



The aircraft component listed below was inspected and/or repaired in accordance with current Federal Aviation Regulations and is approved for return to service for the work performed.

Pertinent details of the repairs are on file at this repair station under Work Order # 15229

Dated: 7/6/2017
Inspected By: M. Lisa Anderson
Cert.# 3944546

MAINTENANCE RELEASE

Name: CRANKSHAFT
Unit: TCM IO-550-N
ID# 15229-1 V/U N07JA034

AD or Service Bulletins **CW TCM MSB 96-10**
UT INSPECTION IAW, MHS-200.

Work Performed: **ULTRASONIC**
INSPECTION ONLY. NO DEFECTS
FOUND.

FAA Certificate No. D13R133Y

D&S CAMSHAFT CORPORATION
435 A2 Airpark Road
Edgewater, Florida 32132
(386) 426-0670 • (386) 423-6960