

ENGINE LOG BOOK



CONTINENTAL MOTORS



TCM D910
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Aircraft Engine Test Verification

This document verifies that the engine model listed below has satisfactorily completed all testing listed below in accordance with TCM standard engine testing specifications as approved by the FAA.

Engine Model

10520K1B

Engine Serial Number

557551-N

Testing Completed

Standard Acceptance Test:

Date of Completion 08-09-01 Test Operator

TEST
10



CONTINENTAL MOTORS

Form No 98344

TCM
43

TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY



CONTINENTAL MOTORS

A Teledyne Technologies Company

P.O. Box 90 • Mobile, Alabama 36601
(334) 438-3411

TCM D910
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ENGINE WARRANTY REGISTRATION



TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY

This is your **ENGINE WARRANTY/RUST and CORROSION AWARENESS PROGRAM REGISTRATION** form. It is essential that it be properly completed and returned to TCM Warranty Department immediately. This will expedite processing of the claim should your engine require repair or replacement as provided in the appropriate warranty policy.

PLEASE COMPLETE AND RETAIN FOR OWNER'S RECORD



CONTINENTAL MOTORS

A Teledyne Technologies Company

OWNER'S NAME Tapelo Aero Inc.
OWNER'S ADDRESS 121 Lemons Dr.
CITY, STATE, ZIP Tapelo, Ms. 38801
COUNTRY U.S.A. TELEPHONE (601) 844-9112
SIGNATURE Carl W. Cate
APP No. 421924050

Engine Model I0520K1B Serial # 557551-N
Date of Installation Oct 23, 2001 Tach Time 2256.11
Aircraft Model Bellanca 17-30A Serial # 73-30607
Year Manufactured 1973 Total Airframe Time 3076.72
What Engine is being replaced? Continental
Serial # 557029 Model I0-520
Hours 1439

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
					10/23/01 Tach Time 2256.11 TSN 0.0 Total Time 0.0 N501CR SN 73-30607 Removed engine IO-520-K1B SN 557029 because engine was making metal and almost at TBO. Installed factory new TCM IO-520-K1B SN 557551-N. Installed overhauled propeller governor PN P210452 SN 2172257T see FAA Form 8130-3 from EMI Aircraft Accessories, Inc. with new gasket. Installed overhauled propeller HC-C3YF-1RF SN EC190E overhauled by Memphis Propeller Service, Inc. Removed and installed all new engine hoses and 2ea. new nose gear actuator hoses Part #'s: 111F417-4S-0116, 111F417-4S-0200, 193000-3D-0240, 111F417-4S-0320, 156F001-4S-0320, 111F417-8D-0153, and 111F417-3S-0316. Removed and installed new exhaust hangar mounts 2ea. PN 191928-20. Installed all new engine Lord Mounts 2ea. PN J12453-2 and 2ea. PN J12453-1. Installed all new engine mount bolts 2ea. PN AN7-41A and 2ea. AN7-40A. Installed exhaust system overhauled by Aerospace Welding, Inc. Installed all new SCAT hoses under engine cowl. Removed and installed new engine baffle seal 9' TSR3X1/8 Silicone Baffle Seal. Serviced engine with 11qts. Aeroshell 100 Mineral Oil. Removed all other old accessories off of old engine and installed on new engine. Installed new bracket air induction filter PN BA3. Reinstalled all engine cowls. Ran aircraft engine on ground and all power settings, fuel flows, oil press., and oil temp checked good. No leaks noted at this time. Returned aircraft to service. Earl W. Carter A&P421924050 <i>Earl W. Carter</i>
11/5/02					Engine oil change completed this date. Removed, inspected, cleaned & reinstalled oil screen. Serviced engine with <u>11</u> qts. <u>Aeroshell 100 Mineral Oil</u> . Ran engine & checked for leaks. No leaks noted. Return to service. <i>CLL R. R. # A4P587493935</i>
Tach Time	2285.0				
Total Time	28.89				
TSN	28.89				
11/8/02					Engine oil change completed this date. Removed, inspected, cleaned & reinstalled oil screen. Serviced engine with <u>11</u> qts. <u>Aeroshell 100</u> . Ran engine & checked for leaks. No leaks noted. Return to service. <i>CLL R. R. # A4P587493935</i>
Tach Time	2310.0				
Total Time	53.89				
TSN	53.89				
12/2/02					Engine oil change completed this date. Removed, inspected, cleaned & reinstalled oil screen. Serviced engine with <u>11</u> qts. <u>Aeroshell 100</u> . Ran engine & checked for leaks. No leaks noted. Return to service. <i>CLL R. R. # A4P587493935</i>
Tach Time	2340.94				
Total Time	84.83				
TSN	84.83				
					07-01-02 Tach time 2340.04 Total time 83.93 conducted 100 hr insp. per inspection sheet - compression #1 70/80, #2 70/80, #3 70/80, #4 75/80, #5 70/80, #6 70/80- cleaned and gapped plugs- replaced both oil cooler gaskets- cleaned injectors- ground run checked for leaks- This engine has been inspected in a/w 100 hr. insp. and found airworthy at this time. End <i>Redus L. Hall</i> Redus L. Hall P20645874

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					

Date 4/1/04 Tach Time 2541.51 Engine Total 285.4

I certify that this engine has been inspected in accordance with an "Annual Inspection" per FAR Part 43, Appendix D and determined to be in airworthy condition.

Compressions: 1)77/80 2)76/80 3)74/80 4)76/80 5)76/80 6)76/80.

Cleaned, gapped and rotated spark plugs. Changed oil with 10 quarts Phillips 20/50. Insp. oil screen, no notable metal, cleaned and installed. Checked mag to eng. timing, no adjustments required.

Complied with AD 76-23-03 per para A & B "Exhaust", no defects noted. Washed engine, post run and leak check good. Returned to service. FAA Certt No. IA539782858

John D. Rollston

Date 10/1/05 Tach Time 2625.0 Engine Total 368.89

I certify that this engine has been inspected in accordance with an "Annual Inspection" per FAR Part 43, Appendix D and determined to be in airworthy condition.

Compressions: 1)77/80 2)77/80 3)74/80 4)77/80 5)76/80 6)78/80.

Cleaned, gapped and rotated spark plugs. Changed oil with 10 quarts Phillips 20/50. Insp. oil screen, no notable metal, cleaned and installed. Checked mag to eng. timing, adjusted right mag as required.

Complied with AD 76-23-03 per para A & B "Exhaust", no defects noted. Installed JP Instruments Fuel Flow Transducer per STC SA2586NM installation instructions, leak check good. Washed.

post run leak check good. Returned to service. FAA Cert. No. IA539782858

John D. Rollston

SEQUIM VALLEY AIRCRAFT MAINT. INC. 468 Dorothy Hunt Ln., Sequim, WA 98382 (866-683-9074)

DATE: May 21st, 2007 TYPE: Continental MODEL: IO-520-K1B S/N: 557029 N501CR

TACH TIME: 2658.0 AIRCRAFT TT: 3478.62 ENG TT: 401.89 ENG TSMOH: N/A

PROP TT: Unknown PROP TSOH: 401.89 PROP GOV. TSOH: 401.89

*Performed all routine inspections, servicing & lubrication operations for a 100 hr/ annual type inspection in accordance with FAA FAR part 43, Appdx. D as applicable to type design.

Cylinder compression/leak down test: 1)68/80 2)69/80 3)70/80 4)61/80 5)68/80 6)69/80

Checked mag to eng timing, no adjustments required. Cleaned, gapped & rotated spark plugs. Oil not changed @ this time. Inspected oil screen, no notable metal found, cleaned installed & safetied. Cleaned fuel gascolater & servo inlet screens. Sonic cleaned fuel injector nozzles. Replaced induction air filter P/N BA-3. C/W AD 76-23-03 "Exhaust" per para A & B, no defects noted. AD 96-12-07 "Impulse Coupling" not due at this time, inspection due every 500 hrs. Washed engine. Post run/ leak check good.

All work performed in accordance with AC 43.13 1B and Bellanca Super Viking Service Manual.

**I certify that this engine has been inspected in accordance with a 100-Hour/Annual Inspection and was determined to be in airworthy condition with respect to the work performed only. Airworthiness directives current as of this date. Returned to service.

FAA Cert No. IA539782858 Inspector: John D. Rollston

John D. Rollston

SEQUIM VALLEY AIRCRAFT, INC. 464 Dorothy Hunt Lane Sequim, WA 98382

DATE: September 4th, 2009 TYPE: Continental MODEL: IO-520-K1B S/N: 557029 N501CR

TACH TIME: 2691.41 AIRCRAFT TT: 3512.03 ENG TT: 435.3 ENG TSMOH: N/A

PROP TT: Unknown PROP TSOH: 435.3 PROP GOV. TSOH: 435.3

*Performed all routine inspections, servicing & lubrication operations for a 100 hr/ annual type inspection in accordance with FAA FAR part 43, Appdx. D as applicable to type design.

Cylinder compression/leak down test: 1)55/80 2)58/80 3)59/80 4)55/80 5)64/80 6)60/80

Checked mag to eng timing, no adjustments required. Cleaned, gapped & rotated spark plugs. Oil not changed @ this time. Inspected oil screen, no notable metal found, cleaned installed & safetied. Cleaned fuel gascolater & servo inlet screens. Sonic cleaned fuel injector nozzles. Replaced induction air filter P/N BA-3. C/W AD 76-23-03 "Exhaust" per para A & B, no defects noted. C/W AD 2008-05-11 "Exhaust & Mag P-Leads" per SL B-110. AD 96-12-07 "Impulse Coupling" not due at this time, inspection due @ 2756.11 hrs. tach time. Washed engine. Post run/ leak check good.

All work performed in accordance with AC 43.13 1B and Bellanca Super Viking Service Manual.

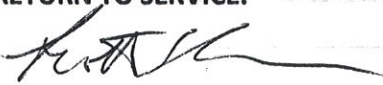
**I certify that this engine has been inspected in accordance with a 100-Hour/Annual Inspection and was determined to be in airworthy condition with respect to the work performed only. Airworthiness directives current as of this date. Returned to service.

FAA Cert No. IA539782858 Inspector: John D. Rollston

John D. Rollston

SEQUIM VALLEY AIRCRAFT, INC. 464 Dorothy Hunt Lane Sequim, WA 98382

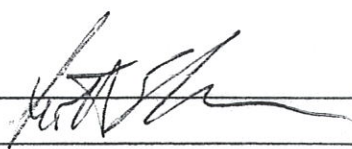
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward →					
DATE: December 7th, 2010 TYPE: Continental MODEL: IO-520-K1B S/N: 557029 N501CR TACH TIME: 2720.0 AIRCRAFT TT: 3540.62 ENG TT: 463.89 ENG TSMOH: N/A PROB TT: Unknown PROB TSOH: 463.89 PROB GOV. TSOH: 463.89 *Performed all routine inspections, servicing & lubrication operations for an annual inspection in accordance with FAA FAR part 43, Appdx. D as applicable to type design. Cylinder compression/leak down test: 1]35/80 2]58/80 3]59/80 4]40/80 5]64/80 6]59/80 Replaced L&R fwd eng lord mount P/N J12453-2. C/W AD 76-23-03 "Exhaust" per para A & B, Exhaust O/H'd by Aerospace Welding. See Invoice No. 110474. Re-installed w/ new no blow gaskets. C/W AD 2008-05-11 "Exhaust & Mag P-Leads" per SL B-110. Replaced existing P leads w/ Alexandria Aircraft kit P/N SK1072 per installation instructions. AD 96-12-07 "Impulse Coupling" not due at this time, inspection due @ 2756.11 hrs. tach time. R&R top removed all cyls. Sent to Avian Aeronautics for repair. Inspected cam shaft & followers. Replaced all lifters w/ O/H'd. Cam shaft noted as acceptable. Re-installed all cyls and sub assys. Serviced eng w/ 10 quarts Philips 20/50. Cleaned oil screen. Washed engine. Post run/ leak check good. All work performed in accordance with AC 43.13 1B and Bellanca Super Viking Service Manual. **I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition with respect to the work performed only. Airworthiness directives current as of this date. Returned to service. FAA Cert No. IA539782858 Inspector: John D. Rollston SEQUIM VALLEY AIRCRAFT, INC. 464 Dorothy Hunt Lane Sequim WA 98282					
DATE: December 7th, 2010 TYPE: Continental MODEL: IO-520-K1B S/N: 557029 N501CR TACH TIME: 2720.0 AIRCRAFT TT: 3540.62 ENG TT: 463.89 ENG TSMOH: N/A PROB TT: Unknown PROB TSOH: 463.89 PROB GOV. TSOH: 463.89 Removed L&R mags, sent to Aircraft Magneto Service for 500 hr inspection. (See W/O 3157 & 3158 dated 10-29-2010. Re-installed magnetos & timed to engine per TCM O/H manual. Post run leak check normal. All work performed in accordance with AC 43.13 1B and Bellanca Super Viking Service Manual. Returned to service. FAA Cert No. IA539782858 Inspector: John D. Rollston SEQUIM VALLEY AIRCRAFT, INC. 464 Dorothy Hunt Lane Sequim WA 98282					
DATE: January 14th, 2011 TYPE: Continental MODEL: IO-520-K1B S/N: 557029 N501CR TACH TIME: 2725.91 AIRCRAFT TT: 3546.53 ENG TT: 469.8 ENG TSMOH: N/A PROB TT: Unknown PROB TSOH: 469.8 PROB GOV. TSOH: 469.8 Removed pilots seats and floor panels. Replaced remote fuel strainer assy w/ new P/N 228013N. Performed leak check, found acceptable. Re-installed floor panels & seats. Removed eng cowl due to inop vacuum & oil leak. Located oil leak @ oil cooler adapter plate. (Adapter plate studs to long from factory.) Removed studs, bottom tapped bosses, re-installed studs to correct depth. Pressure tested oil cooler assy, no defects noted. Re-assembled w/ new gaskets. Replaced vacuum pump w/ new. Re-assembled sub-assys. Cleaned vacuum lines, adjusted regulator as required. Post run leak check acceptable. All work performed in accordance with AC 43.13 1B and Bellanca Super Viking Service Manual. Returned to service. FAA Cert No. IA539782858 Inspector: John D. Rollston SEQUIM VALLEY AIRCRAFT, INC. 464 Dorothy Hunt Lane Sequim WA 98282					
12/10/2013	2779.7	0523.6	RUN-UP, DRAINED OIL, CHECKED SCREEN, NOTHING FOUND, REPLACED GASKET WITH NEW AN900-28. REPLACED OIL USING 10 QTS AEROSHELL 100W. COMPRESSIONS CHECKED: #1 75/80, #2 73/80, #3 73/80, #4 68/80, #5 70/80 #6 76/80. CLEAN, GAP, OPS CHECK AND ROTATE ALL PLUGS. CHECKED ALL EXHAUST, SEE AIRFRAME LOG THIS DATE. CHECKED INTAKES. CHECKED ALL ENGINE MOUNTS. CHECK AND LUBE ALL ENGINE CONTROLS AND CABIN CONTROLS. CHECKED ENGINE BAFFLE SEALS. CHECKED MAG TIMING. A.D'S SEARCHED THRU REV 2013-24 DATED 12/2/13. RUN-UP AND LEAK CHECKED, NONE NOTED. THIS ENGINE SERVICED AND INSP I.A.W AN ANNUAL INSPECTION CHECKLIST AND FOUND TO BE IN AIRWORTHY CONDITION. OK FOR RETURN TO SERVICE. SCOTT ERICKSON AP3629704IA.		

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				
01/12/2015	2799.5 TACH	0543.4 TTSN	RUN-UP, DRAINED OIL, CHECK AND CLEAN SCREEN, NOTHING FOUND. REPLACED OIL USING 10 QTS AEROSHELL 100W. REPLACED 3EA SPARK PLUGS WITH NEW DUE TO HIGH RESISTANCE. REPLACED INDUCTION AIR FILTER WITH NEW. CHECKED MAG TIMING. REPLACED ALTERNATOR BELT WITH NEW. CHECK, CLEAN AND ROTATE PLUGS. CHECKED EXHAUST AND INTAKES. REPAIRED CRACK ON LEFT HAND TAILPIPE HANGAR. COMPRESSIONS CHECKED AS FOLLOWS: #1 72/80, #2 68/80, #3 75/80, #4 69/80, #5 74/80, #6 76/80. CHECKED AND LUBED ALL ENGINE AND CABIN CONTROLS. CHECKED ENGINE MOUNTS AND MOUNT, NO CRACKS OR DISTORTION NOTED. A.D'S SEARCHED THRU REV 2014-26 DATED 12/29/2014. RUN-UP, MAG AND IGN SWITCH CHECKS GOOD. THIS ENGINE SERVICED AND INSPECTED I.A.W AN ANNUAL INSPECTION CHECKLIST AND FOUND TO BE IN AIRWORTHY CONDITION. OK FOR RETURN TO SERVICE. SCOTT ERICKSON  AP3629704IA.		

N501CR Engine

03/01/2016 2866.14 TACH RUN-UP, DRAINED OIL, CHECKED SCREEN, NOTHING FOUND. REPLACED OIL USING 11 QTS AEROSHELL 100W. COMPRESSIONS CHECKED AS FOLLOWS: #1 70/80, #2 68/80, #3 72/80, #4 69/80, #5 72/80, #6 72/80. WASHED DOWN ENGINE AND FIREWALL. TIGHTENED OIL TEMP BULB UNDER OIL COOLER DUE TO LEAKAGE. CHECKED AND LUBED ALL ENGINE AND CABIN CONTROLS. CHECKED EXHAUST AND INTAKES FOR LEAKS AND DISTORTION, NONE NOTED. CHECKED ENGINE MOUNTS. CHECKED AND CLEANED AIR INDUCTION FILTER. CHECKED MAG TIMING. A.D'S SEARCHED THRU REV 2016-04 DATED 02/22/2016. RUN-UP, AND LEAK CHECKED, NONE NOTED. MAG AND IGNITION SWITCH CHECKS GOOD.

**This Engine serviced and
inspected in accordance with
an annual inspection.
Ok for return to service.
Scott Erickson AP3629704IA**



N501CR
ENGINE

04/05/2017 2914.3 TACH 658.2 SMOH RUN-UP, DRAINED OIL, CHECKED SCREEN, NOTHING FOUND. CLEANED AND GAPPED PLUGS. COMPRESSIONS CHECKED: #1 70/80, #2 72/80, #3 68/80, #4 62/80, #5 70/80, #6 70/80. CHECKED ALL EXHAUST AND INTAKES. CHECKED ENGINE MOUNTS. OPS CHECKED AND LUBED ALL ENGINE AND CABIN CONTROLS. OIL COOLER REMOVED FOR REPAIR DUE TO LEAK AND SENT TO PACIFIC OIL COOLER SERVICE FOR REPAIR UNDER W.O# 117044. REINSTALLED AND LEAK CHECKED, NONE NOTED. A.D'S SEARCHED THRU REV 2017-06 DATED 03/20/2017. RUN-UP, MAG AND IGNITION SWITCH CHECKS GOOD. **THIS ENGINE SERVICED AND INSPECTED I.A.W A 100HR CHECKLIST AND FOUND TO BE IN AIRWORTHY CONDITION.**

BOB MCCRORIE AP532583926

**This Engine serviced and
inspected in accordance with
an annual inspection.
Ok for return to service.
Scott Erickson AP3629704IA**



