

Engine Record General Information

Manufacturer Continental Model IO-520-BB6B
Serial 809580R Type Certificate _____
This engine is currently installed in aircraft N9029S

- Engine Zero timed / Rebuilt by TCM 3-13-1996 (see log book #1)

DATE

4/20/2018Standard New log Book for Engine.

Aero Valley LLC.

Maintenance Record

Date: 04/20/2018

Reg: N9029S

Tach Time: 3.35

SMOH: 1592.3

Compressions #1-76/80 #2-78/80 #3-/80 #4-76/80 #5-74/80 #6-76/80. Drained oil and changed filter. Cleaned and tested spark plugs. Replaced mags with overhaul exchange mags from ACOS. Pulled #3 cylinder sent to Gibson engines. Cylinder was out of limits so we replaced with overhauled cylinder. Replaced Exhaust lifter. Installed mags and cylinder with new gaskets, Installed in accordance with manufacture manual. See 8130s for more details. Test ran Engine, No leaks, all ops ok. A.D12-03-06 N/A. See compliance list for all other A.D's. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been found to be in airworthy condition at this date and time. Chris Salazar A&P003741839IA

TACH | FLIGHT | TIME IN | Description of Inspections, Tests, Repairs and Alterations

TE

K.R.T. Aviation LLC

Tulsa, OK 74132

(KRVS)

918-710-0073

04/30/2019 N9029S Continental IO-520-BB (6) S/N: 809580-R Tach: 21.71

Removed EGT and CHT gauges and all associated wiring and probes. Installed JPI EDM830 S/N 41879 to manufacture's specs and in reference with STC# SA2586NM and SA00432SE using a blank mounting hole in the instrument panel. Power to the EDM830 was supplied through a 5 amp breaker and the EDM830 was grounded through the engine case (for further information see FAA Form 337 dated this date) K-factor 29.58. Weight and balance was updated this date. Pertinent details for work order #2489 are on file at K.R.T. Aviation. All work was performed in reference with the manufacture's maintenance/installation manuals, all affected components were checked for proper operation and all found to be operating within manufacture's specs. I certify that this aircraft is airworthy in regard to the work performed above, and ok for return to service.

Keith Thomas

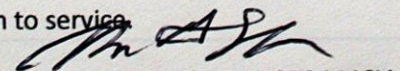
AP3370165

20 MAY 2019**IO-520-BB6B****S/N: 809580R****TACH(EDM): 21.71 SMOH: 1610.66**

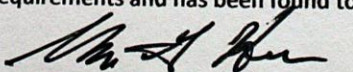
Performed ANNUAL Inspection IAW Continental Service Manuals, Beechcraft 35 Service Manuals, and 14 CFR 43 Appendix D. Washed and inspected engine. Drained engine oil, cut filter. No contaminants noted. Installed new Tempest 48109 oil filter. Serviced engine with 10 qts Aeroshell W100. Performed cylinder compression test. 1) 68 2) 77 3) 78 4) 77 5) 71 6) 76. Installed 12 new Tempest URHB32E spark plugs. Replaced Brackett Aero Filter element BA-7112. Replaced tach cable. Replaced brake reservoir rigid tubing. Checked AD's through T-Data 2019-10. AD's with recurring due dates noted on AD list provided to owner. I certify this engine has been inspected IAW 14 CFR 43 inspection requirements and has been found to be in an airworthy condition. This engine is approved for return to service.


Shannon G Hankins AP3724446IA**27 MAY 2020****IO-520-BB6B****S/N: 809580R****TACH(EDM): 62.1 SMOH: 1651.05**

Performed ANNUAL Inspection IAW Continental Service Manuals, Beechcraft 35 Service Manuals, and 14 CFR 43 Appendix D. Washed and inspected engine. Drained engine oil, cut filter. No contaminants noted. Installed new Tempest 48109 oil filter. Serviced engine with 11 qts Aeroshell W100. Performed cylinder compression test. 1) 70 2) 76 3) 78 4) 75 5) 70 6) 78. Cleaned, gapped, tested, and rotated spark plugs. Replaced -6 and -4 fuel hoses/firesleeving. Checked AD's through T-Data 2020-11. AD's with recurring due dates noted on AD list provided to owner. I certify this engine has been inspected IAW 14 CFR 43 inspection requirements and has been found to be in an airworthy condition. This engine is approved for return to service.


Shannon G Hankins AP3724446IA**26 MAY 2021****IO-520-BB6B****S/N: 809580R****TACH (EDM): 112.8 SMOH: 1701.75**

Performed ANNUAL Inspection IAW Continental Service Manuals, Beechcraft 35 Service Manuals, and 14 CFR 43 Appendix D. Washed and inspected engine. Drained engine oil, cut filter. No contaminants noted. Installed new Tempest 48109 oil filter. Serviced engine with 11 qts Aeroshell W100 Plus. Performed cylinder compression test: (1) 68 (2) 74 (3) 73 (4) 74 (5) 72 (6) 75. Cleaned, gapped, tested, and rotated spark plugs. Installed new Brackett Air Filter Element (P/N: BA-7112). Checked fuel screens. Pressure tested heat muff. No leaks noted. Checked engine controls for security and operation. Test ran engine, no leaks noted. Checked AD's through T-Data 2021-11. AD's with recurring due dates noted on AD list provided to owner. I certify this engine has been inspected IAW 14 CFR 43 Appendix D Annual Inspection requirements and has been found to be in an airworthy condition. This engine is approved for return to service.


Shannon G Hankins AP3724446IA

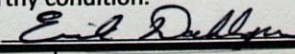
DATE

4 June 2022	Continental IO-520-BB6B	Reg: N9029S Eng S/N: 809580R	Tach: 207.71 EDM: 199.8	TT: 1788.75 TSMOH: -
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Cleaned, inspected and lubed all control points. Cleaned, gapped, and rotated spark plugs. Set R/L mag timing to 22° BTDC. Borescope cylinders and performed eng compression check, #1 74/80, #2 77/80, #3 78/80, #4 74/80, #5 77/80, #6 79/80. Inspected and replaced oil filter - normal. Serviced 12qts Aeroshell 100W. Installed JPI CHT probe gasket and new primary CHT bayonet probe (3080-38) in #3 cyl w/inline 82 Ohm resistor at firewall. Accomplished post maintenance run and leak check - good. All work accomplished per manufacturer's maintenance manual and AC43.13-1B/2A.

All AD's C/W as of 4 June 2022.

I certify this engine has been inspected IAW the scope and detail of Part 43 Appendix D, an ANNUAL inspection and was determined to be in an airworthy condition.

Erik Dahlgren, A&P 3139510 IA 

14 July 2023	Continental IO-520-BB6B	Reg: N9029S Eng S/N: 809580R	Tach: 262.34 EDM: 252.0	TT: 1843.38 TSMOH: -
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Cleaned, inspected and lubed all control points. Cleaned, gapped, and rotated spark plugs. Set R/L mag timing to 22° BTDC. Borescope cylinders and performed eng compression check, #1 73/80, #2 78/80, #3 79/80, #4 76/80, #5 75/80, #6 78/80. Inspected and replaced oil filter (AA48109) - normal. Serviced 12qts Aeroshell 100W. Replaced #1 cylinder RotoCoil (SA629117-1). Cleaned fuel injector nozzles. Accomplished post maintenance run and leak check - good. All work accomplished per manufacturer's maintenance manual and AC43.13-1B/2A.

AD 2023-05-16 Crankshaft Assy - counterbalance retaining rings: N/A by eng and crankshaft S/N's

All AD's C/W as of 14 July 2023.

I certify this engine has been inspected IAW the scope and detail of Part 43 Appendix D, an ANNUAL inspection and was determined to be in an airworthy condition.

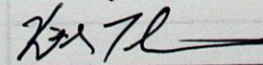
Erik Dahlgren, A&P 3139510 IA 

IR:

K.R.T. Aviation LLC
Tulsa, OK 74132
(KRVS)

918-710-0073 07/25/2024 N9029S Continental IO-520-BB6B Ser: 809580R Tach: 287.91 ETSN: 1877.05

Removed upper cowl to perform **annual inspection**. Performed compression test #1) 70/80 #2) 64/80 #3) 62/80 #4) 65/80 #5) 66/80 #6) 75/80. Drained oil, removed and cut oil filter and found there to be no metal present, installed new oil filter AA48109 and 12 quarts of Aeroshell W100. Removed spark plugs, gapped, tested and reinstalled, serviced fuel strainer, lubed control cables and hinges and pivot points, replaced induction air filter P/N BA-7112. Replaced #1, #2, #4 and #5 valve cover gaskets. Replaced right muffler and exhaust tail pipe using new hardware. Checked left and right magneto to engine timing, repaired broken shielded ground wire on left magneto. **Performed AD search and found there to be no additional applicable AD'S due at this time.** Patched baffling between cylinders #2 & #4 and patched baffling between cylinders #3 & #5, stop drilled vertical baffling between cylinders #5 and alternator. Replaced left and right exhaust brackets on firewall on left side of exhaust hanger. Test ran engine to inspect for leaks and to verify aircraft/engine proper operation, no leaks were found at this time and aircraft/engine met specifications set out in aircraft POH and TCDS. Pertinent details for work order #3185 are on file at K.R.T. Aviation. All work was performed in reference with the manufacture's maintenance manual. I certify that this **annual inspection** was performed in accordance with 14 CFR 43 appendix D and using manufacturer's maintenance manual as reference and this **ENGINE** was determined to be in an airworthy condition for return to service.

Keith Thomas 

AP3370165IA

wo: 25-1125

Engine - page 1 of 1



Leading Edge Aviation - 1701 N. Cimarron Rd - Hangar 3 KRCE - Yukon, OK 73099 - 4054642941

N9029S
TACH: 320.31CONTINENTAL MOTOR, IO-520-BB, S/N: 8095-80R
TSN: 1909.45

June 27, 2025

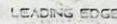
1. **100 HOUR INSPECTION - ENGINE** - INSPECTION COMPLIED WITH REFERENCING FAR 43 APPENDIX D AND CONTINENTAL MAINTENANCE MANUALS. **AIRWORTHINESS DIRECTIVES CHECKED THROUGH BI-WEEKLY 2025-12.** PERFORMED REQUIRED LUBRICATIONS; CLEANED, INSPECTED, AND ROTATED SPARK PLUGS; OPERATIONALLY CHECKED IGNITION HARNESS; CHECKED MAGNETO TIMING; INSPECTED EXHAUST SYSTEM; BORESCOPED CYLINDERS; AND WASHED ENGINE WITH DRY SOLVENT.
2. **OIL CHANGE** - DRAINED HOT OIL; COLLECTED SAMPLE (SEE ATTACHED REPORT); REMOVED FILTER; INSPECTED ELEMENT (NO CONTAMINATION); INSTALLED NEW FILTER P/N: AA48109; SERVICED ENGINE WITH 8 QTS PHILLIPS 66 20W50 VICTORY; POST MAINTENANCE ENGINE RUN LEAK AND OPERATIONAL CHECK SATISFACTORY.
3. **GAMI FUEL INJECTORS LINES MISSING IDENTIFICATION TAGS** - INSTALLED NEW INJECTOR LINE FLAGS PROVIDED BY GAMI.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Leading Edge Aviation under work order: 25-1125.

Tyson Mauldin A&P IA 3507435

wo: 26-1127

Engine - page 1 of 1



Leading Edge Aviation - 2301 N. Cimarron Rd. - Hangar 4D KRCE - Yukon, OK 73099 - 405.464.2941

N9029S
TACH: 342.3CONTINENTAL MOTOR, IO-520-BB, S/N: 8095-80R
TTSN: 1931.44

June 03, 2026

1. **100HR INSPECTION - ENGINE** - INSPECTION COMPLIED WITH REFERENCING FAR 43 APPENDIX D AND CONTINENTAL MAINTENANCE MANUALS. **AIRWORTHINESS DIRECTIVES CHECKED THROUGH BI-WEEKLY 2026-10.** PERFORMED REQUIRED LUBRICATIONS; INSPECTED EXHAUST SYSTEM; CHECKED MAGNETO TIMING; INSPECTED IGNITION HARNESS; CLEANED, INSPECTED, AND ROTATED SPARK PLUGS; AND INSPECTED THE ENGINE MOUNT AND ISOLATORS. **COMPRESSION CHECKS (HOT): #1: 79 #2: 77 #3: 76 #4: 78 #5: 77 #6: 75 MASTER ORIFICE: 70 OVER 80** Installed (11 EA) P/N M674 - SPARK PLUG GASKET Rev/Lot: 1525025, Installed (1 EA) P/N BA-7112 - BRACKET FILTER ELEMENT Rev/Lot: 1387432.
2. **OIL CHANGE** - DRAINED OIL, COLLECTED SAMPLE, REMOVED FILTER, INSPECTED ELEMENT (NO CONTAMINATION), INSTALLED NEW FILTER, SERVICED ENGINE WITH NEW OIL. Installed (12 EA) P/N 20W50 VICTORY - PHILLIPS 66 OIL Rev/Lot: 2405, Installed (1 EA) P/N AA48109-2 - TEMPEST SPIN EZ OIL FILTER Rev/Lot: 1JPU.
3. **1EA SPARK PLUG WORN BEYOND LIMITS** - REPLACED SPARK PLUG. Installed (1 EA) P/N URHB32E - TEMPEST SPARK PLUG Rev/Lot: 1PVE.
4. **GROUND WIRE ON LH SIDE OF ENGINE DETERIORATED** - REMOVED FAILED GROUND WIRE AND SPLICED IN NEW WIRE. Installed (1 EA) P/N 36160 - BLUE 16-14 AWG #10 RING TERMINAL Rev/Lot: 23286/23305, Installed (1 EA) P/N 11-07903 - BLUE 1/4 SOLDER SLEEVES Rev/Lot: W01885226001.

All work accomplished referencing appropriate maintenance manuals. All leak and operational checks satisfactory. With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Leading Edge Aviation under work order: 26-1127.

Sarah Savory A&P 5117723