

RAM AIRCRAFT
The Engine Specialist
FOR CESSNA, BEECHCRAFT, & CIRRIUS AIRCRAFT



ENGINE MAINTENANCE RECORDS



Aircraft Registration N6731Z

Engine Position Right

Engine Serial No. 518 349



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N6731Z

Engine Manufacturer Continental

Model TSIO-520-WB

Serial No. 518349

Date installed on aircraft _____

Time Between Overhauls (TBO) 1600 Hours

If used on multi-engine aircraft:

Right

Left

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708
Phone: (254) 752-8381 Fax: 254-752-3307
www.ramaircraft.com

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
12-23-15	3215.0	0.0	



CONTINENTAL TSIO-520-WB Right Engine S/N 518349

Above referenced engine overhauled to new parts limits per FAR 43.2(a)(1)(2) to conform w/CMI SM X-30574. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnafluxed, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. L dated 12-26-2013. Above referenced engine modified per STC SE3630SW-D. Installed new RAM camshaft p/n 1058-1A, s/n XA14105 as direct PMA replacement of Continental camshaft. Installed new lifters p/n SA628488 (int.) p/n SA646277 (exh.) AD 10-11-04 n/a to lifter p/n installed. AD 97-26-17 c/w per installation of overhauled VAR crankshaft p/n 649898 s/n N09CA081 per TCM CSB96-8. C/W Ultrasonic inspection per MSB96-10B, due at next overhaul or when crankshaft removed. AD 99-19-01 n/a per crankshaft date of manufacture I/A/W TCM MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W TCM Mandatory Service Bulletin MSB00-5D. Engine assembled with new ECI crankcase P/N AEC653923-04, S/N WM/02443/12/10. Installed new ECI Titan Nickel cylinders. Installed overhauled oil cooler p/n 654580, s/n 1752764. Installed new RAM/FAA/PMA fuel nozzles p/n 2562-14C. TCM Service Bulletin SB06-1A N/A per installation of RAM fuel nozzles. Engine accessories exchanged for overhauled or new units with exception of the vacuum pump, prop governor and tach generator which were not installed per this work order. Installed new Hartzell ALV 9610 alternator (weight 12.75 lbs). This will require a weight and balance change. Installed overhauled/rebuilt Bendix magnetos. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. Installed RAM/FAA/PMA rocker arms p/n 1842-3 and 1842-4, spring loaded induction clamps p/n 1170-2 and double clamp p/n 1170-5, rocker arm covers p/n 2766-1, rocker arm cover gaskets p/n 1387-1, and oil cooler baffle p/n 1253-1. Category 1 thru 3 CMI Service Bulletin Compliance Listing in RAM Manual. Engine ground run on test stand per RAM specifications for 4 hours. Engine run-in with Aeroshell 100 Mineral oil. See RAM Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Engine approved for return to service for the work performed. Engine preserved per Service Bulletin SIL99-1 temp. storage up to 90 days. Pertinent details on file under Project No. 7922.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7-29-16				DRAINED OIL AND INSTALLED NEW FILTER #CH48108-1. checked FILTER FOR METAL. NONE FOUND AT THIS TIME. SERVICED ENGINE with 11 quarts AERO shell W 100 PLUS, GROUND RUN AND LEAK check GOOD. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE Robert Jackson A+P 2121397
Hobbs	108.6			
TT	3277.5			
TTSO	62.5			
8-26-16				REMOVED STARTER & INSTALLED FACTORY REBUILT EXCHANGE STARTER PN MHJ4003SR. Test RUN ENGINE & ALL WORKS well. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE Robert Jackson A+P 2121397
Hobbs	128.4			
TT	3297.3			
TTSO	82.3			
9-15-16				DRAINED OIL AND INSTALLED NEW FILTER #CH48108-1. checked FILTER FOR METAL. NONE FOUND AT THIS TIME. SERVICED ENGINE with 11 quarts AERO shell W 100 PLUS. WASHED ENGINE & GROUND RUN. NO LEAKS FOUND. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE Robert Jackson A+P 2121397
Hobbs	134.1			
TT	3322.8			
TTSO	88.0			
				SUB-TOTALS this page
				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 & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10-31-16				REMOVED FUEL SERVO PN#
Hobbs	146.2			2524624-6 SN# 76557 DO
TT	3334.9			TO INTERNAL LEAK. INSTALLED
TTSO	100.1			OVERHAULED SERVO FROM RAM
				PN# 2524624-6 SN# 73784.
				TEST RUN ENGINE. ADJUSTED
				MIXTURE + IDLE. THIS ENGINE
				IS APPROVED FOR RETURN TO
				SERVICE. Robert Jackson AIP 2121397
12-12-16				DRAINED OIL AND INSTALLED NEW
Hobbs	156.5			FILTER # CH48108-1. CHECKED
TT	3345.2			FILTER FOR METAL. NONE FOUND
TTSO	110.4			AT THIS TIME. OIL SAMPLE TAKEN
				AND SENT TO LAB. TEST RESULTS
				ARE NORMAL. SERVICED ENGINE
				WITH AERO Shell W100 PLUS 11
				QUARTS. WASHED ENGINE +
				GROUND RUN. NO LEAKS FOUND.
				THIS ENGINE IS APPROVED FOR
				RETURN TO SERVICE.
				Robert Jackson AIP 2121397



Lloyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

N 67331Z
 Hobbs: 169.30

Eng. TT: 3338.20
 Engine S/N: 518349
 Date: 3/1/2017

Work Accomplished

Right Engine -
 -Discrepancy-
 Annual inspection due.

Completed an Annual inspection this date in accordance with F.A.R. 43 appendix d. Performed compression check with the following results:

Right: #1 - 79/80, #2 - 74/80, #3 - 76/80, #4 - 74/80, #5 - 76/80, #6 - 78/80.

-Discrepancy-
 AD 2016-16-12 ECI cylinders.

Not applicable per cylinder head casting P/N.

This engine is approved for return to service with respect to the work performed.

Mark W. Wiebe
 Mark W. Wiebe AIP 5618680731A

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METED TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
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Loyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

SO# 19053

N 6731Z
 AFTT: 3459.50
 Hobbs: 334.30
 Eng. TT: 3503.20
 Engine S/N: 518349
 Date: 3/16/2018

Work Accomplished

Right Engine -

Discrepancy:
 Annual inspection due.

Resolution:
 Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.

Performed compression check with the following results:
 Right: #1 - 75/80, #2 - 74/80, #3 - 75/80, #4 - 74/80, #5 - 75/80, #6 - 75/80.

I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.
 This engine is approved for return to service with respect to the work performed.

Mark W Wiebe

Mark W Wiebe AP561868073IA



Loyd's AIRCRAFT MAINTENANCE, INC.
 (661) 393-1588 Fax (661) 393-2502

SO# 19706

N 6731Z
 AFTT: 3595.80
 Hobbs: 470.60
 Eng. TT: 3639.50
 Engine S/N: 518349
 Date: 6/3/2019

Work Accomplished

Right Engine -

Discrepancy:
 Annual inspection due.

Resolution:
 Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.
 Performed compression check with the following results:

Discrepancy:
 Magnetos on right engine due 500 hour inspection.
 Resolution:
 Performed 500 hour inspections on two magnetos. Installed new distributor blocks, contact point assemblies, capacitors, brushes, felt washers, snap rings. Magnetos timed internally and reinstalled on left and right engines with new gaskets.

Discrepancy:
 AD 84-26-02 Paper air filter replacement due.
 Resolution:
 Installed new air filter assemblies on right engine.

I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 102-590000-5, A25, 01 JUN 2002.

This engine is approved for return to service with respect to the work performed.

Mark W Wiebe

Mark W Wiebe AP561868073IA

SUB-TOTALS this page

TOTALS—Carry forward to next page

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

SO# 20463

N 6731Z
AFTT: 3731.10
Hobbs: 605.90
Eng. TT: 3774.80
Engine S/N: 518349
Date: 7/10/2020

Work Accomplished

Right Engine -

Discrepancy:
Annual inspection due.
Resolution:
Completed an annual inspection this date in accordance with F.A.R. 43 Appendix D, Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 55-590000-13, REV G12, Dated: 18 JUN 2019.
Performed compression check with the following results:
Right: #1 - 75/80, #2 - 70/80, #3 - 75/80, #4 - 74/80, #5 - 75/80, #6 - 75/80.

Discrepancy:
Oil change due.
Resolution:
Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

Discrepancy:
Oil samples due.
Resolution:
Oil samples taken and sent for analysis.

I certify that a Annual 100 HR Inspection was performed on the above engine, in accordance with FAR 43, Appendix D, and Textron/ Beechcraft Baron 58P, Annual/100 Inspection Guide 55-590000-13, REV G12, Dated: 18 JUN 2019.

This engine is approved for return to service with respect to the work performed.

Jorge Cruz AP3967528

Mark W. Wiebe AP, IA 561868073



Loyd's AIRCRAFT MAINTENANCE, INC.
(661) 393-1588 Fax (661) 393-2502

SO# 20935

N 6731Z
AFTT: 3754.30
Hobbs: 629.10
Eng. TT: 3798.00
Engine S/N: 518349
Date: 4/8/2021

Work Accomplished

Right Engine -

Discrepancy:
Oil change due.
Resolution:
Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination.
No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.

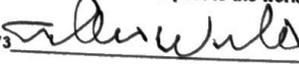
Discrepancy:
Oil sample due.
Resolution:
Oil samples taken and sent to A.O.A. for analysis.

This engine is approved for return to service with respect to the work performed.

Mark W. Wiebe AP, IA 561868073

SUB-TOTALS this page

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 & CERTIFICATION NO. OF PERSON PERFORMING WORK
				Continued from previous page
				<div style="display: flex; justify-content: space-between;"> <div data-bbox="598 336 735 387">  </div> <div data-bbox="742 336 1050 387"> <p><i>Lloyd's</i> AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502</p> </div> <div data-bbox="1082 314 1284 451"> <p>N 6731Z AFTT: 3803.00 Hobbs: 677.80 Eng. TT: 4979.80 Engine S/N: 3846.70 Date: 6/22/2021</p> </div> </div> <p>Work Accomplished SO# 21066</p> <p>Right Engine -</p> <p>Discrepancy: Oil change due. Resolution: Drained oil and installed new filter CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced engine with 12 quarts Aeroshell 50W100. Washed engine and cowl. Ground run and leak check good. Note: Owner supplied oil.</p> <p>Discrepancy: Oil sample due. Resolution: Oil samples taken and sent to A.O.A. for analysis.</p> <p>This engine is approved for return to service with respect to the work performed.</p> <p>Mark W. Wiebe AP, IA 561868073 </p>
				<div style="display: flex; justify-content: space-between;"> <div data-bbox="590 1025 727 1076">  </div> <div data-bbox="734 1025 1042 1076"> <p><i>Lloyd's</i> AIRCRAFT MAINTENANCE, INC. (661) 393-1588 Fax (661) 393-2502</p> </div> <div data-bbox="1066 1025 1273 1161"> <p>N 6731Z AFTT: 3831.20 Hobbs: 706.00 Eng. TT: 3874.90 Engine S/N: 518349 Date: 8/18/2021</p> </div> </div> <p>Work Accomplished SO# 21150</p> <p>Right Engine -</p> <p>Discrepancy: Annual inspection due. Resolution: Completed an Annual inspection this date in accordance with FAR 43, appendix D and Textron/ Beechcraft MM, ML-B-58, REV 5, 55-590000-13, REV. G-12, Dated: 22 JUN 2017.</p> <p>Performed compression check with the following results: Right: #1 - 76/80, #2 - 74/80, #3 - 74/80, #4 - 72/80, #5 - 74/80, #6 - 78/80.</p> <p>Discrepancy: Oil change due. Resolution: Drained oil and installed new filters CH48108-1. Cut open filter and inspected for metal contamination. No visible metal found at this time. Serviced each engine with 12 quarts Aeroshell 50W100 Plus. Washed engine and cowl. Ground run and leak check good.</p> <p>Discrepancy: Right engine spark plugs due replacement. Resolution: Installed twelve (12 ea) new "Tempest" URHB32E spark plugs.</p> <p>Discrepancy: Oil samples due. Resolution: Oil samples taken and sent for analysis.</p> <p>I certify that an Annual inspection was performed on the above engine, in accordance with FAR 43, appendix D and Textron/ Beechcraft MM, ML-B-58, REV 5, 55-590000-13, REV. G-12, Dated: 22 JUN 2017.</p> <p>This engine is approved for return to service with respect to the work performed.</p> <p>Mark W. Wiebe AP, IA 561868073 </p>
				TOTALS—Carry forward to next page

