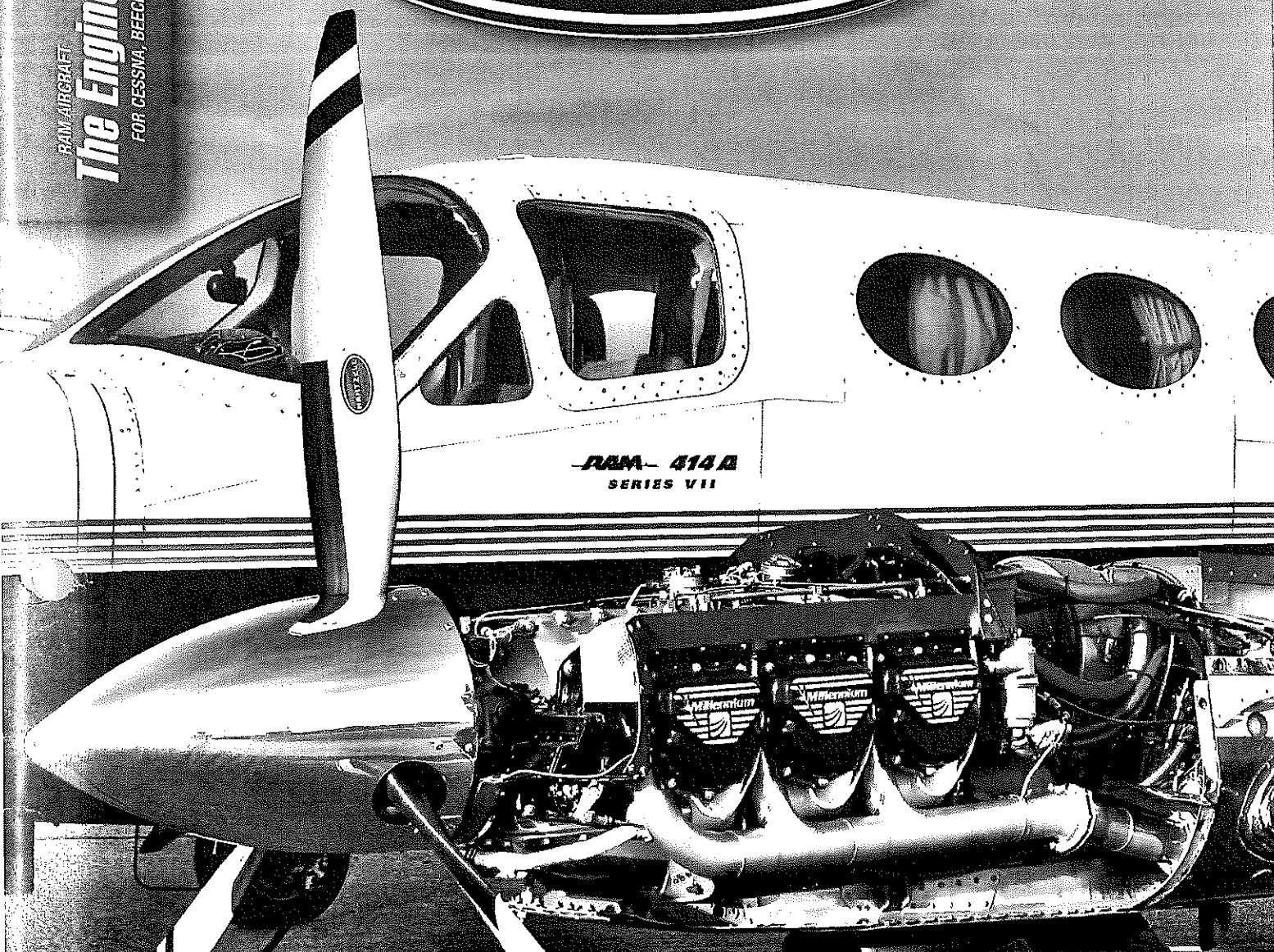


RAM

WACO REGIONAL AIRPORT
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WACO, TEXAS 76708
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The Engine Specialist
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ENGINE MAINTENANCE RECORDS

Aircraft Registration _____

Engine Position _____

Engine Serial No. 814440-R



ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. N18760

Engine Manufacturer Continental

Model IO-520-BA

Serial No. 814440-R

Date installed on aircraft July 2022

Time Between Overhauls (TBO) 1700 Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

Waco Regional Airport
7505 Karl May Drive • 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	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATION NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
2/17/2022	1080.9	0.0	



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL IO-520-BA Engine S/N 814440-R

Above referenced engine overhauled per FAR 43.2(a)(1)(2) to conform w/CAT X30039, Continental M-0, Standard Practice Maintenance Manual and I/A/W STC SE7325SW-D. Applicable AD's and Service Bulletins C/W at this time. All gears cleaned, polished when required, inspected, magnetic particle inspected, and no cracks found. Finish and dimensional limits within RAM Gear Inspection Specification No. 1818, Rev. P dated 07/19/2017. Installed overhauled camshaft p/n 1058-1A, s/n 108099 as direct PMA replacement of Continental camshaft. Installed overhauled lifters p/n SA628488 (int), p/n SA646277 (exh). I/A/W RAM Dwg. 2813, Rev. A dated 11-19-09. AD 10-11-04 n/a to lifter p/n SA628488 (int), p/n SA646277 (exh). I/A/W CAT MSB99-3C. AD 2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W CAT Mandatory Service Bulletin MSB00-5D. Engine assembled with overhauled Continental crankcase p/n 654132-1, s/n C049911R. Installed new Superior steel cylinders. AD 88-17-03 is n/a per no air conditioning installed. SB09-4B Permold crankcase inspection N/A per no A/C installed. Installed overhauled oil cooler p/n 635996, s/n 480. Engine accessories exchanged for overhauled or new units with exception of prop governor, alternator, vacuum pump, hydraulic pump and tach generator which were not installed per this work order. Installed Overhauled Bendix Magneto on left position. MSB94-8D on magneto timing procedure c/w per timing to data plate TC degree requirements with TDC locator and protractor with pointer. P/N 652130 & 652131 rocker arms installed. Category 1 thru 3 CMI Service Bulletin Compliance Listing in RAM Manual. Installed RAM-FAA-PMA rocker arm cover gaskets p/n 1387-1. Installed RAM/FAA/PMA spring loaded induction clamps p/n 1170-2 and double clamp p/n 1170-5. Engine ground run on test stand per RAM specifications for a minimum of 2.5 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 Continental M-0, Standard Practice Maintenance Manual temp. storage up to 90 days. Pertinent details on file under Project No. 10128.

RAM Aircraft, Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

07/23/2022 Hobbs1363.7 Tach 3983.0 TSMOH 0

Annual Inspection Completed: Replace engine with RAM O/H Engine IO520-BA s/n 814440-R, Engine pre-oiled with Phillips 20w50 type M oil. Replace all spark plugs with new fine wire. Install Surefly Electronic Ignition Magneto SIM6C s/n 6C-3319006 in RH position and set up as per Surefly Installation Instructions. Engine ground run and fuel set up, idle and mixture set up. Aircraft ground run ok. All work performed IAW Beechcraft V35B maintenance schedule in service manual.

I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in **Airworthy** condition.

James M. Chrestensen III
AP 3507385 IA

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
8-29-22		19.23	4002.23	TOTALS brought forward from previous page OIL change w/filter.
	(1 ST OIL change)			10 qts Phillips XC 20W/50. Ground run— no leaks. W. J. Welles - OWNER
3-15-23				Reviewed AD 2023-05-16 (Counterweights) IO520BA not listed. Crankshaft PN 649896 S/N A061M1 not listed. AD doesn't apply. W. J. Welles - OWNER
3-31-23			4041.5	OIL CHANGE W/FILTER 10 QTS XC 20/50 GROUND RUN NO LEAKS. W. J. Welles - OWNER

09/10/2023 Hobbs 1395.5 Tach 4079.93 ACTT 4079.93 TSMOH 96.93

Annual Inspection Completed: Inspect oil filter ok Change oil and filter, refill with Phillips XC 20W50 and 2 cans Avblend. Diff. Comp. (1) 74/80 (2) 70/80 (3) 72/80 (4) 74/80 (5) 72/80 (6) 73/80. Adjust LH magneto and set up RH magneto as per ICA. Clean fuel strainer and check vents. Clean fuel nozzles and clean and gap spark plugs. Aircraft ground run ok. All work performed IAW Beechcraft V35B maintenance schedule in service manual.

I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in **Airworthy** condition.

James M. Chrestensen III
AP 3507385 IA

James M. Chrestensen III

4-16-24			4106.8	OIL CHANGE W/FILTER 10 QTS XC 20/50 1 CAN AVBLEND GROUND RUN - NO LEAKS W. J. Welles
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Date: 12/14/2024 Hours: ACTT 4135.35 152.35 TSO TT 1233.25

Tail#: N18760

Make: Continental

Model: IO-520-BA

S/N: 814440-R

Ran aircraft and performed differential compression test. MOT 41/80, 1) 66/80 2)

68/80 3) 68/80 4) 64/80 5) 65/80 6) 67/80. Inspected oil filter, no metal noted.

Installed and safe tied a new oil filter and serviced sump with Phillips 20W50XC.

Cleaned gapped and tested spark plugs. Cleaned fuel nozzles and servo inlet

screen. Removed air pump accessory pad and properly seated the gar-loc seal.

Adjusted magneto to engine timing. Washed engine, ground ran and leak checked,

no leaks noted. Adjusted idle speed and mixture. This engine has been inspected in conjunction with an annual inspection and is approved for return to service.

Name: David C. Enteklin

Signature: *David C. Enteklin*

Cert: AP/IA 3398557