



ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N316DF

Engine Manufacturer Continental

Model IO-550-C

Serial No. 686478

Date installed on aircraft 10-24-18

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
10-24-2018	1931.1	0.0	3575.3



RAM Aircraft, Limited Partnership • Waco Regional Airport

CONTINENTAL IO-550-C Left S/N 686478

Above referenced engine overhauled to new parts limits per FAR 43.2 (a)(1)(2) to conform w/Continental (M-16), M-O and Standard Practice Maintenance Manual. 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 above referenced engine in left position of Beech S/N TH-1817. Installed new RAM camshaft p/n 1058-7A, s/n XF17031 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. Installed new VAR crankshaft p/n 649900, s/n N17LA083. AD99-19-01 c/w and found n/a per crankshaft date of manufacture I/A/W Continental MSB99-3C. AD2000-23-21 N/A to crankshaft serial number/date of manufacture I/A/W Continental Mandatory Service Bulletin MSB00-5D. Engine assembled with new Continental heavy style crankcase p/n 656619-1 s/n R18FA017. Installed new Superior Steel cylinders. SB09-4B Permold crankcase inspection with A/C N/A per engine model. Cleaned, inspected, resealed piston dome and reinstalled McCauley propeller model 3AF32C512-C, s/n 850021. Engine accessories exchanged for overhauled or new units except as noted. Overhauled and reinstalled customer's prop governor s/n 11927274J. Overhauled and re-installed customer's accumulator s/n 16384. Re-used customer's vacuum pump p/n 442CW-12, s/n 163549. Re-used customer's tach generator p/n 102-389015-5, s/n 2439. Installed new Hartzell ALV-9610 alternator s/n H-S093200 (weight 12.75 lbs). See weight and balance change entered in P.O.H. Installed overhauled alternator drive coupling p/n 646655, s/n DRK110267. Installed new RHB-32S spark plugs. 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 spring loaded induction clamps p/n 1170-2 and double clamps p/n 1170-5 and rocker arm cover gaskets p/n 1387-1. P/N 652130 and 652131 rocker arms installed. Installed Aeroquip integral firesleeved fuel and oil hoses meeting TSO-C53A Type D and TSO-C75 Type III. Installed overhauled oil cooler p/n 653996, s/n C06-57922-4. Installed .030 inch under size starter adapter spring p/n S539800M30 per STC SE09846SC. Category 1 thru 3 Continental Service Bulletin Compliance Listing in RAM Manual. Engine serviced with AeroShell 100 mineral oil. See Recommended Oil Grade Maintenance Tip MT-1 for recommended oils. Engine ground run on test stand per RAM specifications for 2.25 hours. Engine pump pressure, idle, mixture, fuel flow, max RPM and oil pressure adjusted per Continental M-O Standard Practice Maintenance Manual. All engine systems checked for leaks. Engine approved for return to service for the work performed. Pertinent details on file under Project No. 8880.

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

N316DF

LEFT ENGINE

HOBBS 3583.4

11/5/18

INSTALLED BOLT IN TACH GENERATED HOUSING PER RAM AIRCRAFT. ENGINE RUN, LEAK CHECK OK.

ANTHONY F. DAIUTO
A&P 46589372IA

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
17 Nov 2018	TT 3589.3	14.4	Changed oil 4 Phillips 20W50 Type M2 C448108 filter C Stalling AP4077636	
21 Mar 2019	TT 3622.8	47.5	Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
25 Apr 2019	TT 3670.3	95.0	Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
18 Sep 2019	TT 3712.0	136.7	Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
1 Nov 19	3752.0	176.7	Changed oil 4 filter 4 Phillips 20W50XCII C448108 1 filter.	
Cleaned, gapped, & rotated plugs. I certify this aircraft has been inspected & is an Annual Inspection & determined to be in Airworthy Condition. C Stalling AP4077636A				
27 Nov 2020	3771.9	TSO 196.6	Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
20 Nov 2020	HM 3803.9	TSO 228.6	Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
1 Dec 2020	HM 3860.0	TSO 240.7	Changed oil 4 Phillips 20W50XCII C448108 1 filter.	
Cleaned, gapped, & rotated plugs. Replaced Induction Air filter. I certify this Aircraft has been inspected & is an Annual Inspection & determined to be in Airworthy Condition.				
C Stalling AP4077636A				
24 Jan 21	HM 3850.6		Changed oil 4 filter w/ Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
25 Sep 21	HM 3891.9		Changed oil 4 filter 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
11 Nov 21	HM 3922.2		Changed oil 4 filter 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
17 Feb 22	HM 3934.3	TSO 359.0	Changed oil 4 filter 4 125's Philip 20W50XCII C448108 1 filter. Replaced Induction Air filter. Cleaned fuel nozzles. Cleaned, gapped & rotated spark plugs. I certify this Aircraft has been inspected & is an Annual Inspection & determined to be in Airworthy Condition. C Stalling AP4077636A	
4/1/22	HM 3961.6		Changed oil 4 Phillips 20W50XCII C448108 1 filter. C Stalling AP4077636	
21 Jan 22	HM 3995.1		Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
20 Aug 22	HM 4029.7		Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
30 Oct 22	HM 4066.6		Changed oil 4 Phillips 20W50XCII C448108 1 filter C Stalling AP4077636	
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TOTALS—Carry forward to next page				

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