

The Standard
ENGINE LOG

ASA-SE-2

YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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South Delta Aviation

Helena-West Helena, AR 72390

870-572-9011

IO-520-CB9(C)BB

s/n 298608-R

Date: 6-15-24

SMOH: 0.0

MAJOR ENGINE OVERHAUL

TTE: 2024.8

Completely disassembled engine. Converted this engine from IO-520-CB to IO-520-BB in accordance with TCM SB M75-6, Rev. 1. Cleaned and inspected all internal parts. Reassembled engine: Crankcase was recertified by DIVCO, crankshaft with counterweights, and camshaft were recertified by Aircraft Specialties. Reinstalled crank, cam and alternator drive gears with new hardware. Reassembled with new main bearings (M10), oil transfer collar (M10), thrust washers and through bolts. Installed connecting rods recertified by Aircraft Specialties with new bearings (M10), rod bolts and nuts. Installed 6 new Superior Millennium cylinders p/n SA52006-A20P, all with matching piston weights of 1617. All piston rings were gapped and installed on new pistons with new piston pins. Cylinder s/n's were installed in the following positions. #1=526000024931, #2=526000024932, #3=526000024933, #4=526000024934, #5=526000024935, #6=526000024936. Installed all new Superior hydraulic lifters. Installed all rocker arms recertified by Aircraft Specialties with new thrust washers and rocker shafts. Cleaned, inspected and reinstalled oil pump assembly. Cleaned, inspected and reinstalled starter adapter. Engine was assembled with all new gaskets and seals and torqued in accordance with TCM SB96-7C. Installed fuel system overhauled by Mike's Aircraft Fuel Metering. Cleaned fuel injectors and reinstalled. Installed magnetos overhauled by Aircraft Magneto Service and timed to engine. Installed new ignition harness and spark plugs.

AD2023-17-04 - N/A

AD2023-09-09 - N/A

AD2023-05-16 - N/A

AD2023-02-12 - N/A

AD2022-16-03 - N/A

AD2016-16-12 - N/A

AD2014-05-29 - N/A

AD2012-03-06C - N/A

AD2010-11-04 - N/A

AD2009-19-07C2 - N/A

AD2007-04-19R1 - N/A

AD2004-08-10 - N/A

AD2000-23-21 - N/A

AD99-19-01 - N/A

AD98-17-11C - N/A

AD97-26-17C - C/W

AD93-16-15 - P/C/W

AD93-08-17 - N/A

AD93-10-02 - N/A

AD91-19-03 - N/A

AD88-17-03 - N/A

AD88-03-06 - N/A

AD86-13-04R3 - N/A

AD87-14-02 - N/A

AD81-24-06 - N/A

AD80-01-04 - N/A

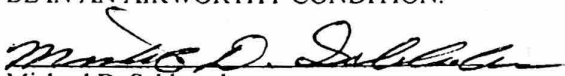
AD79-05-09 - N/A

Engine has not been run as of this date.

Michael D. Schlesselman

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A&P3469189

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				South Delta Aviation Helena-West Helena, AR 72390 870-572-9011 N4316W Tach: 5262.9 SMOH: 0.0 Date: 7-12-24 TTE: 2024.8 Completed annual inspection this date: Installed this engine s/n 298608-R on N4316W, F33A, s/n CE-485 using new engine mounts and hardware. Reinstalled engine baffles. Reinstalled exhaust system with new right hand stack assembly. Reinstalled alternator, starter, prop governor, dry air pump, and stand by alternator. Serviced with Phillips 20W50 Type M mineral oil and pre-oiled engine. Connected lines and hoses. Purged fuel system and leak checked. Performed ground run up and adjusted low fuel pressure, idle mixture and idle speed, checked fuel flow as outlined in TCM SID97-3E. Ground run was performed as stated in TCM SB M89-7 R1, para. III. Aircraft was test flown for 45 minutes – all parameters were normal with no leaks detected. See AD list in aircraft records for details of compliance. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AN AIRWORTHY CONDITION.  Michael D. Schlesselman A&P3469189IA