

September 13, 2019 N173CW Tach Time 1406.7 TTAF 1406.7

Performed Condition Inspection IAW Title 14 CFR Part 43 Appendix D and supplied Vans condition inspection form. Remove Lycoming engine O-320-E2D S/N L41861-27A and replace it with a NEW Lycoming YO-320-D2G IAW Lycoming installation instructions. For details see engine record. Inspect exterior skin and interior, safety belts, flight and engine instruments and engine controls. Inspect flight control surfaces, rudder cables, bellcranks and push/pull rods and bearings. Inspect landing gear components, tires, wheels and brakes. Tighten left and right brake torque plates. Replace brake linings 4) P/N RA066-10600 and 12) rivets P/N RA105-00200. Service tires with Nitrogen. Check electrical system and lights. Inspect battery and charging system, and charge battery. CW AD 93-05-06 (ignition switch inspection) by determining time on switch. This is a recurring AD and is next due at TTAF 2,000.0. Inspect ELT system by visual and "G" test IAW 91.207(d). Next due September 2020. Replace ELT batteries with 8 Duracell "D" batteries. ELT batteries are due September 2021. AD's researched and current through September 13, 2019. There is no weight change with this engine replacement.

I certify that this aircraft has been inspected IAW a Condition Inspection and was determined to be in airworthy condition.

Jess Smith
Velocity Air

A&P [REDACTED] IA

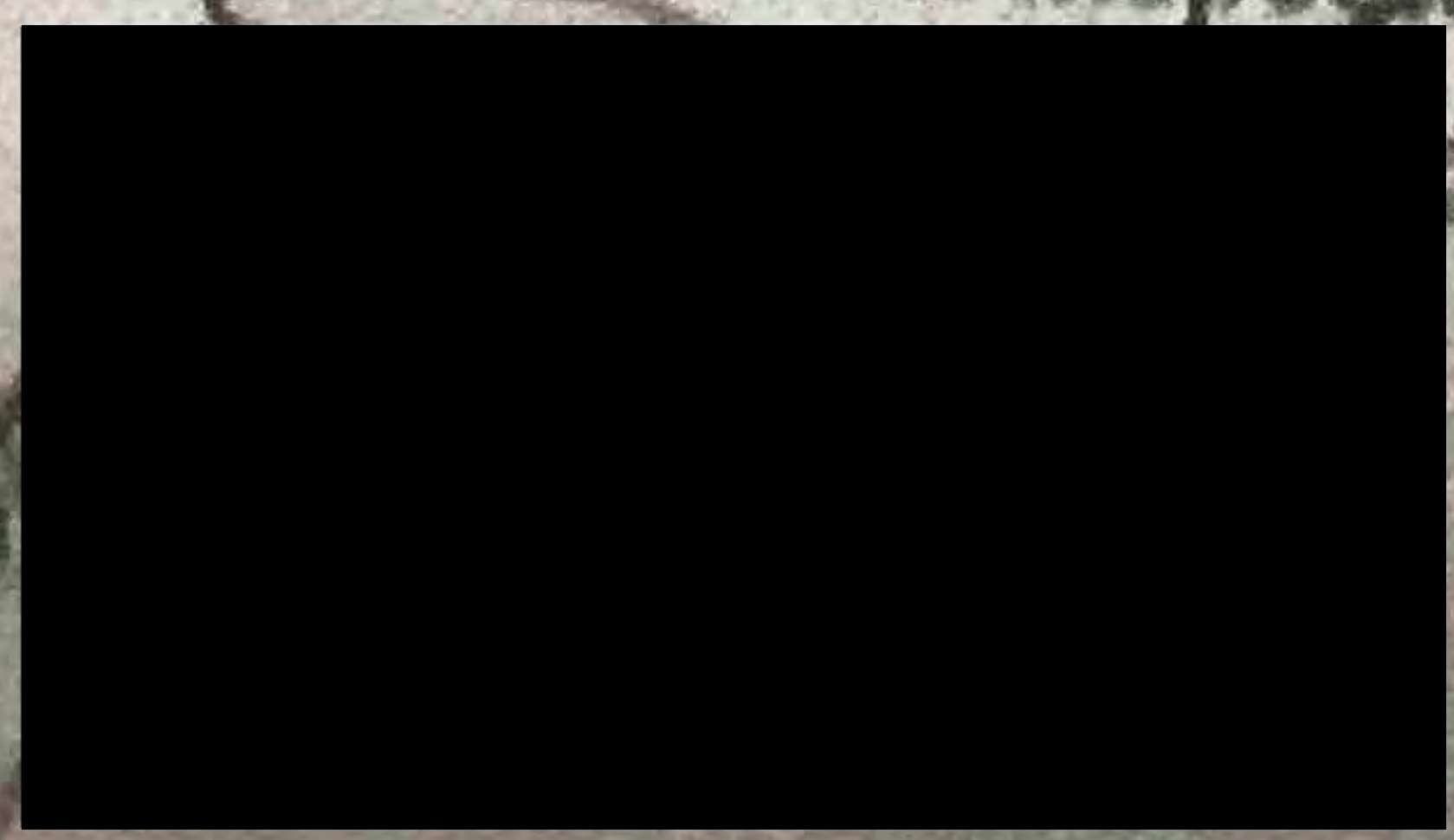
YEAR 2019 DATE 9/13	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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September 13, 2019 N173CW Tach Time 1406.7 TTENG 000.0 TSMOH N/A

Perform Condition Inspection (engine) IAW Title 14 CFR Part 43 Appendix D and supplied inspection form. Remove Lycoming engine O-320-E2D S/N L41861-27A and replace it with a NEW Lycoming YO-320-D2G (160 HP) IAW Lycoming installation instructions. Replace 4) engine mounts P/N 94011-20, 2) bolts P/N AN7-44A and 2) AN7-43A. Replace 4) nuts P/N MS20365-720C. Replace alternator belt P/N 37A19773-376. Replace 3) wire nipples P/N MS25171-1S, 1) CHT adapter P/N A-101, 1) oil drain valve P/N P-5000. Use old mechanical fuel pump due to Vans Aircraft design. Re-plumb all oil and fuel fittings for new engine. Re-rig fuel mixture and throttle controls. Wash engine and fire wall with solvent and inspect baffles, mounts, and engine controls. Differential Leak Test with .040 orifice instrument #1, XX/80.. #2, XX/80.. #3, XX/80..#4, XX/80. Clean, gap, test and rotate spark plugs using 8) M674 gaskets. Service engine with 8 quarts or Aero Shell 100 oil. Tighten all intake hose clamps and oil return line clamps. Inspect exhaust stacks and clamps. Clean and inspect fuel sediment bowl. Inspect carburetor fuel inlet screen, carburetor bowl drain. Check and clean carburetor air box. Check engine timing at 25 degrees BTDC. Adjust idle speed and mixture. Check static rpm, and tachometer for accuracy. CW AD2004-10-14 by determining no prop strike. This is a recurring AD and is next due at prop strike. AD's researched and current through September 13, 2019.

I certify that this engine has been inspected IAW with a Condition Inspection and was determined to be in airworthy condition.

Jess Smith
Velocity Air



A&P [Redacted] IA

YEAR 2020 DATE 2/20	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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1457.2

02-20-2020 TACHOMETER: 1457.2 TT ENGINE: 050.5
 VANS RV-4 S/N 95-1736 N#173CW
 LYCOMING YO-320-D2C S/N EL-20710-39E
 Drained oil and removed oil filter. Installed new CH48110-1 oil filter and serviced engine with 8 QTS. Aeroshell 100 W oil. Old oil filter inspected for metal -none found. Washed engine ground test ran and leak checked. No leaks

[REDACTED]

RICK NELSONA&P [REDACTED]

May 03, 2018 N173CW Tach Time 1311.7 TTAF 1311.7

Performed Condition Inspection IAW Title 14 CFR Part 43 Appendix D and supplied Vans condition inspection form. Inspect exterior skin and interior, safety belts, flight and engine instruments and engine controls. Inspect flight control surfaces, rudder cables, bellcranks and push/pull rods and bearings. Inspect landing gear components, tires, wheels and brakes. Replace left and right MLG tires with Condor 5:00X5, left S/N 7089S00133 and right S/N 7197S00192, service with Nitrogen. Remove left and right brake calipers and re-seal with MS29775-218. Service brake reservoir with Mil 5606 fluid and bleed brakes. Replace brake linings on right side with 2) RA066-10600 and 6 rivets P/N RA105-00200. Replace 4 wheel seals with P/N 154-00600. Check electrical system and lights. Replace left nav lamp with P/N A-7512, and rear nav lamp with P/N GE93. Inspect battery and charging system. CW Vans SB 16-03-28 regarding rear spar cracks. No discrepancies noted. Complied with AD 93-05-06 (ignition switch inspection) by determining time on switch. This is a recurring AD and is next due at TTAF 2,000.0. Inspect ELT system by visual and "G" test IAW 91.207. Next due May 2019. ELT battery is due April 2019. AD's researched and current through May 03, 2018.

I certify that this aircraft has been inspected IAW a Condition Inspection and was determined to be in airworthy condition.

Jess Smith
Velocity Air T

A&P [REDACTED] IA

LOG

DATE | RECORDING | TORQUE | TOTAL

19

April 16, 2016 N173CW Tach Time 1164.0 TTAF 1164.0

Performed Condition Inspection IAW Title 14 CFR Part 43 Appendix D and supplied condition inspection form. Inspect exterior skin and interior, safety belts, flight and engine instruments and engine controls. Inspect flight control surfaces, rudder cables, bellcranks and push/pull rods and bearings. Inspect landing gear components. Re-pack MLG wheel bearings. Replace both MLG tires with condor 6:00X6. Left S/N 3302S00123, Right S/N 5106S00203. Brake linings ok. Service brake reservoir with Mil 5606 fluid. Check electrical system and lights. Repair ground connection at rear navigation light. Inspect battery and charging system. Clean debris from right fuel tank drain valve. Re-secure right side of instrument panel. Re-paint lower cowling to match. Re-paint left and right fuel tanks. Re-paint right aileron trailing edge. Touch up paint to aileron not to change balance data. Re-paint left wing tip. Remove in-op auto pilot Nav Air Devices S/N 000981 and install customer supplied Alpha Systems AOA system S/N AOA 13550-13 Rev C. Weight change and Center of Gravity of aircraft determined to be negligible. No change to Electrical load and is within 80% of system capacity. Complied with AD 93-05-06 (ignition switch inspection) by determining time on switch. This is a recurring AD and is next due at TTAF 2,000.0. Inspect ELT system by visual and "G" test IAW 91.207. Next due April 2017. ELT battery is due March 2017.

I certify that this aircraft has been inspected a Condition Inspection and was determined to be in airworthy condition.

Jess Smith
Velocity Air T



A&P [Redacted] A

Inspected inboard aileron hinge bracket attach rivets per SB 16-03-2B. NO CRACKS found.

DATE 2016

12/12

