

DESCRIPTION OF WORK PERFORMED
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

DATE

TACH OR
RECORDING
METER TIME

RV 7A ENGINE LOG for N1FB, XP-IO-360-B1AD2, S/N 36B071138

12/05/2024. Tach and Total Time 532.0. Inspected engine per Appendix D of FAR Part 43 and EXP RV Condition Inspection List.

- R&R Crankshaft Seal, Clean and reinstall with Aviation Permatex due to oil leaks.

Removed Magneto, SLICK, Model 4371, S/N 06101556

Installed Magneto, SLICK, Model 4371, S/N 24105906

- Checked Magneto Timing to 25° per MM 6-3.9.1

- Changed oil and oil filter, 7 Quarts Phillips XC 20W50, Tempest AA48108

- * Removed Crankshaft Propeller Flange Bushings due to loose Bushing.

Installed New Crankshaft Propeller Flange Bushings per Lycoming Service Instructions No. 1098Q, P/N 75656-S (Qty -4), P/N 72155-S (Qty-1), P/N 75657-S (Qty-1).

Completed Ground Engine Test Runs – all systems in normal operations.

Test Pilot flew aircraft around the traffic pattern – reported all systems in normal operations.

I certify that this aircraft engine has been inspected in accordance with the scope and detail of Appendix D of FAR PART 43 and EXP RV Condition Inspection List and was found to be in a condition for safe operation.

DATE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2/7/24	494.9	S/N: 70807 N1FB Performed Annual conditional inspection on Engine Accordance with scope and Detail of 14 CFR Part 43 Appendix D • Drained oil, Removed and Inspected oil filter, Installed new Texpest AA48108-2 oil filter and serviced with Zarts, Phillips 66 SAE 20W-50 engine oil • Inspected magnetos and checked Timing in Accordance with Engine mm 6-3.9.1 • Removed Engine Filter and serviced Per KAN STC. • Removed, cleaned, gap and Testet spark PLUGS And Re-Installed. • Engine controls check and Lubricated • Install new Intake gasket on cylinder #2. P/N # 71973 • Installed new Forward crankcase Seal P/N # 13792 Performed a RUN UP check no Leaks. • Differential compressions #1: 76/80 #2: 77/80 #3: 76/80 #4: 75/80 • Removed cleaned and Re-install fuel screens. I certify this Engine Has been Inspected in Accordance with scope And Detail of 14 CFR Part 43 Appendix D and found to be safe operation.

AIRCRAFT MAINTENANCE RECORD Page No. _____

September 24, 2017
Tach: 26.4

NIFB
RV-7A
TT: 210.4

S/N 70807
Hobbs: 30.2

Aircraft annual condition inspection performed I/A/W CFR 14 FAR 43 appendix D. Inspected AK 450 ELT per FAR 91.207 and per section 3.4 of Ameri-King IM-450 manual. Battery due Sept. 2019. Replaced both main tires with Goodyear Flight Special II and insignia tubes. Nose tire replaced with Classic Aero 11 X 4.00 X 5 and corrected by torquing all line fittings and installing new O-ring on left caliper. Found multiple hard fuel lines. Wing root seals glued on to prevent slipping off during flight. Complied with SB 7-4-11 by checking safety of flap actuator rod end, no further action. C/W SB 11-9-13 No fuel tank slosh compound used in tanks, no further action. C/W SB 12-08-14 wing attach bolts are installed, no further action. C/W SB 14-12-22 nose stop flange installed properly, no further action. C/W SB 14-01-31 horizontal stabilizer crack inspection, no cracks noted, due next inspection. C/W SB 14-02-05 elevator spar crack inspection, no cracks noted, due next inspection. C/W SB 16-03-28 wing aft spar web crack inspection, no cracks noted, due next inspection. I certify that this aircraft has been inspected in accordance with the scope and detail of appendix D to FAR part 43 and found to be in a condition for safe operation.

October 1, 2018
Tach: 40.7

NIFB
RV-7A
TT: 224.7

S/N 70807
Hobbs: 46.0

Aircraft annual condition inspection performed I/A/W CFR 14 FAR 43 appendix D. Inspected AK 450 ELT per FAR 91.207 and per section 3.4 of Ameri-King IM-450 manual. Battery due Sept. 2019. C/W SB 14-12-22 nose stop flange installed properly, no further action. C/W SB 14-01-31 horizontal stabilizer crack inspection, no cracks noted, due next inspection. C/W SB 14-02-05 elevator spar crack inspection, no cracks noted, due next inspection. C/W SB 16-03-28 wing aft spar web crack inspection, no cracks noted, due next inspection. I certify that this aircraft has been inspected in accordance with the scope and detail of appendix D to FAR part 43 and found to be in a condition for safe operation.

December 18, 2019
Tach: 70.9

NIFB
RV-7A
TT: 254.9

S/N 70807
Hobbs: 78.1

Aircraft condition inspection performed I/A/W CFR 14 FAR 43 appendix D. Removed Ameri-King 251 ELT and installed Artec 345 406 ELT in same location, no change to "WEB". Inspected Artec ELT per FAR 91.207 battery due January 2024. Installed new AN6227-21 O-rings in both brake calipers and bleed with Aeroshell fluid 441. Removed ignition toggle switches and installed ACS ignition switch A-516-2 with diode installed at master relay contactor. Ignition switch wired to the output pig of Lightspeed Plasma III electronic control box. Installed new EG 12V35W Halogen bulb in left landing light. Anti Splat "Nose Job 2" nose gear brace installed on nose gear leg under fairing. Installed glass shield led light strip with EL-1 scannable dinner switch. Anti Splat U2 Cool Cowd Flap installed to right lower wing. Power wire connected to the main battery bus on left side of aircraft panel and circuit protected with a 3-amp glass fuse. Weight and balance calculated for these additions. Attitude indication not working on G3X avionics GDU 175. Found the G50 25 ADAMS unit with red fault light. Replaced the G50 25C with S/N SQ2000918, G3X systems software updated to software version 12.06. ADAMS and Magnetometer Calibration performed. C/W SB 14-01-31 horizontal stabilizer crack inspection, no cracks noted, due next inspection. C/W SB 14-02-05 elevator spar crack inspection, no cracks noted, due next inspection. C/W SB 16-03-28 wing aft spar web crack inspection, no cracks noted, due next inspection. This aircraft has been inspected in accordance with the scope and detail of appendix D to FAR part 43 and found to be in a condition for safe operation.

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Date

Total Time

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FORM

7 February 2024 Tach Time: 494.9

N1FB S/N 79807

Inspected Aircraft per Appendix D of Part 43 and EXP RV condition inspection

• Complied with service Bulletin 14-01-31 Horizontal stabilizer inspection no cracks found due next conditional inspection.

• Complied with service Bulletin 14-02-05 Elevator spar inspection no cracks found due next conditional inspection.

• Complied with service Bulletin 16-03-28 wing aft web crack inspection no cracks found due next conditional inspection.

• Inspected AK450 ELT complied IAW 91.207(D) due August 2026

• Removed all panelling & interior inspected Airframe.

• Inspected all control surfaces, pulleys Bell cranks and lubed.

• Removed cleaned and inspected and greased all wheel bearings.

• Removed Installed new fuel drains P/N # CAV-110

I certify this aircraft has been inspected in accordance with scope and detail of 14 CFR Part 43 Appendix D and found to be in condition for operation.

[Redacted Signature]

AIRCRAFT MAINTENANCE RECORD

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RV 7A PROPELLER LOG for N1FB Hartzell
12/05/2024. Propeller Total time since new 532.0. Removed Propeller from aircraft and transported to Warner Propeller to replace the Bolts and Nuts.
Installed Propeller as serviced by Warner Propellers per Hartzell Installation Instructions.
I certify that this aircraft propeller has been inspected in accordance with the scope and detail of Appendix D of FAR PART 43 and EXP RV Condition Inspection List and was found to be in a condition for safe operation