

Q.A. APPROVAL

DATE

18 SEP 2006

AIRCRAFT DESCRIPTION

MANUFACTURER ROBINSON HELICOPTER COMPANY MODEL R 94 IIDATE OF MFG. 18 SEP 2006SERIAL NUMBER 11428 REGISTRATION NUMBER N915BW

REGISTERED OWNER _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

OPERATOR _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

Inspection Status

(Check one)

☐

F.A.R. 91.409 ANNUAL/100 HOUR

☐

F.A.R. 91.409 PROGRESSIVE

☐

F.A.R. 135.419 A.T.C.O.

☐

OTHER

DATE ENTERED _____

MAINTENANCE RESPONSIBILITY

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

November 23, 2010

N915BW

Robinson R44 II S/N 11428

HM: 1059.4

ACTT: 1457.4



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

- 22 3/4/11
1. Performed a 100 hour ~~Annual~~ inspection of N915BW in accordance with FAR 43 appdx D and Robinson R44 maintenance manual RTR 460 Inspection checklist 2.420.
 2. Replaced hydraulic system filter PN AN6235-1A. Due every 100 hours. Service hydraulic reservoir.
 3. Replaced missing left forward door stay retainer P/N PC1249.2.
 4. Tested ELT in accordance with FAR 91.207 (a-d), Replaced battery P/N BP1030, due Dec 2012.
 5. Replaced beacon light lens with new lens P/N A402-AR.
- Inspected aircraft exhaust, fuel and oil systems, landing gear, structure, rotor, control systems and overall aircraft condition. A list of AD's may be found in aircraft records. I certify this aircraft has been inspected in accordance with a 100 hour/Annual inspection and determined to be in airworthy condition

END

William A Lange
AF [REDACTED]

June 21, 2011

N915BW

Robinson R44 II S/N 11428

HM: 1117.5 ACTT: 1515.5



Erie Municipal Airport
395 Airport Drive
Erie, CO 80516

Complied with AD2011-26-12 visual inspection of main rotor blade bond line per paragraph (a), due before first flight of each day, and complied with visual inspection using 10x magnification and tap test per paragraph (c) and per Robinson SB-72 paragraphs 1 though 6 and 8, due each 100 hours and annual inspections. END

Terrill Shafer
AP [REDACTED]

INSPECTION RECORD
F.A.R. 43.11-91.409

N915BW
S/N 11428
R44 II

Airframe Log

April 15, 2013
Actt: 1541.4
Hobbs: 1143.4

Disassembled helicopter after tail rotor strike by removing P/N C008-5 main gearbox S/N 3663; Main rotor blade P/N C016-5 S/N 3095 & S/N 5886; Removed engine assy. P/N IO-540-AE1A5 S/N L-31486-48A; P/N C018-2 clutch assy; P/N C051-2 actuator S/N 3441; P/N D196-1 tail rotor drive shaft S/N 1600; Tail rotor gearbox P/N C021-1 S/N 3283 and scrapped; C023-15 Tailcone assy S/N 3619; C029-2 tail rotor blades S/N 4037 & 4041 and scrapped; Tail rotor hub assy. P/N D062-2 S/N 2926 and scrapped; P/N C043-1 Lower stabilizer assy. and scrapped P/N C031-1 pitch control S/N 3685; P/N D040-1 aft cowling assy. and scrapped; P/N C014-10 Fwd strut assys.(2) and scrapped; P/N C014-9 Aft strut assys.(2) and scrapped; P/N C241-2 Fwd cross tube, and scrapped; P/N C241-1 Aft cross tube, and scrapped; P/N C014-11 LH skid tube assy., and scrapped; P/N C046-23 Lower frame assy. LH and scrapped; P/N C046-2 Lower frame assy. And scrapped; P/N D046-1 LH Strut and scrapped; P/N C387-1 LH Channel and scrapped; P/N C387-2 RH Channel and scrapped; P/N D041-1 belly cowl assy., and scrapped; P/N C447-3 doubler and scrapped; P/N C447-4 doubler scrapped; C015-5 belly skin and scrapped; P/N C574-1 support scrapped; P/N C286-1 doubler scrapped; P/N C015-3 skin, LH Aft scrapped; P/N C350-3 panel, LH scrapped; P/N C388-2 cover scrapped; P/N C772-5 support, outboard scrapped; P/N C772-6 support inboard; P/N C772-8 web scrapped; P/N C772-9 strip,

INSPECTION RECORD

scrapped; P/N C772-9 strip, scrapped; P/N C294-2 bearing assy., scrapped; P/N C377-1 panel assy. LH scrapped; P/N C380-9 doubler, scrapped; P/N C947-3 flex plate, and scrapped; P/N C947-2 flex plate, and scrapped.

Performed tail rotor skid strike inspection in reference with RHC R44 maintenance manual Sec. 2.510 parts A & B and installed new lower vertical stabilizer with new P/N C043-1Rev. C, performed dye penetrant inspection of P/N C020 S/N 3454 upper steel tube tailcone attach points per Sec. 2.560 and of tail cone casting; performed tail rotor strike in reference with Sec. 2.520 both parts A & B replaced tail rotor gearbox with TSO: 0.0 hrs P/N C021-1 S/N 3700 Lot 10 and T/R Gear set P/N C545-1 S/N 7585; installed new Tail rotor assy. P/N C008-9 Rev.S with new P/N C029-3 S/N 1644 and S/N 1686 and new P/N C062-1 tail rotor hub S/N 1197; installed P/N C031-1 T/R Pitch control S/N 3685 TSN:1541.4 hrs. Performed tail rotor drive shaft run out and all readings were below .015". Installed new P/N C947-3 aft flex plate and intermediate flex plate P/N C947-2 and attaching hardware installed tailcone assy. P/N C023-15 S/N 3619 TSN: 1541.4 hrs after inspection and checked tail rotor rigging in reference with Sec. 10.140. Installed new LH frame assy. P/N C046-23; new P/N C046-2 lower RH frame assy.; new P/N D046-1 LH strut weldment and all new attaching hardware. Installed the following new structure parts; P/N D040-1 aft cowling assy. ; P/N C014-10 Fwd strut assys.(2); P/N C014-9 Aft strut assys.(2); P/N C241-2 Fwd cross tube; P/N C241-1 Aft cross tube; P/N C014-11 LH skid tube assy.; P/N C937-1 LH skid extension; P/N C387-1 LH; P/N C387-2 RH; P/N D041-1 belly cowl assy.; P/N C447-3 doubler; P/N C447-4 doubler scrapped; C015-5 belly skin and scrapped; P/N C574-1 support scrapped; P/N C286-1 doubler scrapped; P/N C015-3 skin, LH Aft scrapped; P/N C350-3 panel, LH scrapped; P/N C388-2 cover; P/N C772-5 support, outboard; P/N C772-6 support inboard; P/N C772-8 web; P/N C772-9 strip; P/N C772-9 strip; P/N C294-2 bearing assy.; P/N C377-1

INSPECTION RECORD

FA 12 11 01 100

panel Assy. LH; P/N C380-9 doubler; Repaired lower LH vertical firewall in reference with RHC maintenance manual Sec. 4.110 and AC43.13-1B for firewall repairs using P/N R3022-1 .016" thick type 301, CRES steel. Re-Installed the following original components after visual inspection per RHC Sec. 2.100, 2.200, 2.300 and 2.400. P/N C008-5 main gearbox S/N 3663 TSN: 1541.4 hrs and replaced all four mounts with new P/N C653-3 (2) aft and P/N C653-2(2) FWD and performed main gear box 500hr flush and drain, serviced with new P/N A257-2 gear oil; Main rotor blade P/N C016-5 S/N 3095 TSN: 1541.4 hrs & S/N 5886 TSN: 721.4 hrs with new blade bolts P/N NAS634-105 and new nuts P/N C189-4 and stretched to 0.021-0.022" drilled and cotter pinned; Installed engine Assy. P/N IO-540-AE1A5 S/N L-31486-48A TSN: 1541.4 hrs; P/N C018-2 clutch Assy TSN: 1541.4 hrs; P/N C051-2 actuator S/N 3441 TSN: 1541.4 hrs; P/N D196-1 tail rotor drive shaft S/N 1600 TSN: 1541.4 hrs; Removed 10 hole instrument panel P/N A077-3 and instruments and installed P/N B051-9 7 hole panel see equipment list and revised weight and balance. Serviced hydraulic reservoir Mil H-5606 oil and replaced hydraulic filter with new P/N AN6235-1A and bled flight control system. Complied with SB-78B by installing KI-196-2 Kit for R44 II series Bladder Fuel Tank installation kit. Performed maintenance ground run up check and leak checks. Performed tail rotor balance to 0.037 IPS and balance engine fan wheel to 0.147 IPS. Performed main rotor track and balance to 0.109 IPS.

INSPECTION RECORD
F.A.R. 43.11-91.409

I CERTIFY THAT THIS AIRFRAME HAS BEEN INSPECTED IN REFERENCE WITH A 100HR./ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION AND IS RETURNED TO SERVICE."

Complied with recurring AD 2011-12-10 visual tap test inspection of main rotor blade leading edge inspection for debonding per section C of AD. Next due @ first flight of the day. Complied with SB-72 main rotor blade inspection for voids and defects, next due @ ACTT: 1641.4 hrs. Replaced hydraulic filter with new P/N AN6235-1A and serviced with Mil-H-5606 fluid. Installed new air filter P/N C771-2. Complied with FAR. 91.207(D) 12 month ELT functional inspection check. ELT battery and Bi-Annual Transponder is expired owner notified but will be exported and placard. Complied with SB-78B by installing KI-196-2 kit for R44 II Series Bladder Fuel Tank Installation Kit; Revised weight and balance. Complied with the following Service bulletins: SB-85 is N/A by Model; SB-83 is N/A C029-3 T/R blades installed; SB-82 installed D049-8 harness; SB-81 is N/A by S/N of hydraulic servos; SB-80 is N/A no pop out floats installed; SB-77 fuse wire holder wired properly; SB-75 proper door hinges installed; SB-74 re-torqued MGB input yoke to 35-45 ft. lbs; SB-73 is N/A by S/N; SB-71 PCW; SB-68 and SB-67 were complied within conjunction with SB-78B. Complied with AD 2013-05-15 and is N/A "no floats installed"; AD2010-24-03 tail rotor pedal support is N/A by S/N. All AD's complied with thru 2013-09. I certify that his rotorcraft is approved for return to service.

[REDACTED]
Pablo E. Perez I.A. [REDACTED]
For HELI-DOC, INC

Page 4

-----END-----