

INSPECTION RECORD

2-23-24 N4082J Robinson Helicopter model R22 Beta I serial number 1794
Hobbs 202.2 Aircraft TT 5907.3 Aircraft TSOH 202.2
Lycoming Engine O-320-B2C Serial Number L-12841-39A Engine TT 7541.8
Engine TSOH 202.2

Completed a ground check per part 2.205 of the Robinson Maintenance Manual. Completed a run up check per part 2.210 of the Robinson Maintenance Manual. Completed a flight check per part 2.220-no discrepancies noted. Aircraft approved for return to service. Helicopters Northwest Technical Services, Inc. Richard K. Carter, President, [REDACTED] Pilot fixedwing and Rotorcraft.



4-4-24 N4082J Robinson Helicopter model R22 Beta I serial number 1794
Hobbs 302.2 Aircraft TT 6007.3 Aircraft TSOH 302.2
Lycoming Engine O-320-B2C Serial Number L-12841-39A Engine TT 7641.8
Engine TSOH 302.2

Completed a 100hr Inspection in accordance with Robinson Helicopter Co. Model R22 AMM & Instructions for Continued Airworthiness Manual No. RTR060 Chapter 2, Section 2.410 revision dated July 2021 and in accordance with the scope and detail of CFR Title 14, Chapter I, Subchapter C, Part 43, Appendix D-as applicable to this aircraft, Inspections. **Drained and serviced the tail rotor gearbox** with A257-2 oil in accordance with Section 22-23. Cleaned the chip detector and sight glass in accordance with section 22-21 thru 22-22. **Drained and serviced the main rotor gearbox** with A257-2 oil in accordance with the Robinson Maintenance Manual Section 22-13. Cleaned the chip detector and sight glass window in accordance with section 22-11 thru 22-12. **Performed a clutch oil service and inspection** in accordance with section 22-30. Serviced the Clutch with A257-4 fluid in accordance with section 22-30. Checked the engine height in accordance with section 6.130. **Re-shimmed the lower engine mount pads**, Robinson part number 71032 in accordance with section 6.130. Engine height 3.75" after checking and adjusting the clutch shaft angle. **Adjusted the engine height** using the A141-25, 0.032" shims as required. Set engine height to 3.55 - 3.65 in accordance with parts 2 thru 8. Checked the clutch shaft angle and the belt sheave alignment in accordance with

INSPECTION RECORD

F A B 1211 01 100

section 7.230. **Removed and reinstalled the Concord battery part number RG25XC serial number 40925673** in accordance with the Concorde document number 5-0324 Revision D section A preparation for installation thru page 10, installation part b 1 thru 16. Inspected the aircraft battery in accordance with the Concorde Maintenance Manual document no. 5-0171, Revision Q, dated December 4th, 2018, Component Maintenance Manual (CMM 24-30-71) Instructions for Continued Airworthiness, no defects noted. **Complied with RHC Service Letter SL-77 Fire Extinguisher handling and maintenance** in accordance with parts 1-3, no defects noted. **Complied with the RHC Service Bulletin SB89 A184-1 bearing re-grease- Mobile 28 grease.** **Complied with RHC Service Bulletin SB-120 A029-2 Tail Rotor Blade Visual Inspection** accordance with part A and part B, nonapplicable by serial numbers installed. Tail Rotor Blade A029-2 serial number 11447 and serial number 11449 installed, no further action required. **RHC Service Bulletin SB-121 D270-1, Governor controller/ EMU upgrade** in accordance with parts 1 thru 6, nonapplicable by rotorcraft ship serial number. **Complied with AD 76-07-12 Bendix switch ops check per part 1-no** defects noted. **Airworthiness Directive AD 2023-11-07 restrictions on operations requiring radar altimeters**, nonapplicable, equipment not installed, accordance with part I, information regarding the operational restrictions insert in the rotorcraft flight manual not required. **Airworthiness Directive AD 2024-04-02 Tail Rotor Blades part number A029-2 tip cap visual inspection/ check of the tip cap bond line for corrosion**, not applicable in accordance with part (C)(1) Tail Rotor Blade serial numbers installed. Tail Rotor Blade A029-2 serial number 11447 and serial number 11449 installed, no further action required.

Additional equipment previously installed, Instructions for Continued Airworthiness:

Inspected the installation of the G051-14, upper console assembly in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 060 Volume I, revision 14, dated December 2022, section 13, parts 13-10 thru 13-43, figure 13-4, revision dated August 2019. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours. **Inspected the Garmin GMA350H Audio Control System** installation in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 060 Volume I, section 14, part 14.57, parts 14-29, C822-2 Audio Controller Installation (GMA350H) replacement of the of the B228-2 ICS System, wire diagram figure 14-29, revision dated August 2019 and section 34-40, C822-1 Audio Controller installations, part G, Special Maintenance and Inspections, as applicable. Equipment inspection "on condition", no defects noted. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours. **Inspected the Garmin GNC 225B Com Transceiver** installation in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 060 Volume I, section 14, part 14.49, parts 14-25, C082 rev F, C082-2 Com Installation (GTR 225B and GNC 255B Nav Com Installations) with (GMA350H), wire diagram figure 14-25, revision dated August 2019 and Figure 14-46, (C802-2 comm radio schematic GTR 225B installation), section 34-31, parts 1 thru 6, part G, Special Inspections, revision dated October 2018 as applicable. Equipment inspection "on condition", no defects noted. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours. **Inspected the Remote Sensor Module, RSM, unit installation**, part number in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 060 Volume I, section 14, part 14.73, parts 14-37, F817-8, (Aspen EFD 1000H LRU Installation -RSM) wire diagram figure 14-43, revision dated October 2018, as applicable. RSM installation in accordance with the **Robinson Helicopter Kit KI-227, C023-Tailcone GMU Magnetometer/RSM Installation Kit Instructions**, parts 1 thru 9, revision A, dated September 29th, 2021 and in accordance with section 14, part 14.73, parts 14-37, F817-8 wire diagram figure

INSPECTION RECORD

14-37, revision dated August 2019, as applicable. RSM antenna mounted on tail cone, 2nd bay, factory position Equipment inspection "on condition", no defects noted. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours.

Inspected the Davtron Chronometer part number M800 installation, serial number in accordance with section 13, part 13-41, A thru D, (Additional Standard Indicating Equipment), part D, Removal, revision 14, dated August 2019. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours.

Inspected the Garmin GNS430 COMM/NAV/GPS unit installation in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 060 Volume I, section 14, part 14.51, figure 14-51, C833 GPS Schematics, Garmin GPS installation, revision dated October 2018. Equipment inspection "on condition", no defects noted. Original installation completed by HNW on August 10th, 2023 at 5705.1 hours.

Inspected the previously installed equipment; panel mount Garmin GTX335, with internal WAAS, ADS-B transponder in rotorcraft in accordance with the **Garmin STC Number SR02124SE** requirements for continued Airworthiness. Visually inspected installation for security and integrity of wiring, fasteners etc. Inspected the WAAS antenna connected to GTX 335 Transponder, visual inspection, located on tail cone second bay, no defects noted. Materials used and all work done in accordance with acceptable methods, techniques and practices as set forth in AC 43.13-2B Chapter 11, AC 43.13-2B Chapters 2 and 3 and AC 20-138. Appropriate entries were made in accordance with FAR 43.9. Pilots guide part number 190-01499-00 Rev B was inserted into the Pilots Operating Handbook section 9. Visual inspections completed in accordance with Document 190-00734-11 Revision 5 Section 4 dated October 18th, 2016, no defects noted. Verified the FAA approved **Rotorcraft Flight Manual Supplement** in the Rotorcraft Flight Manual Section 9 Supplements. Verified an Amended the Equipment List. Checked for Revised Weight and Balance. Form 337 was filed with the Aircraft permanent records. **ADS-B functional test complied with by Duncan Aviation, see work order number 9WYZA dated 8-18-2023.**

Tracked and balanced the main rotor to 0.01 Ips in accordance with section 10.200. Balanced the fan to 0.01 Ips in accordance with section 6.13. Balanced the tail rotor to 0.01 IPS in accordance with section 10.240. I certify that this aircraft has been inspected in accordance with the 100hr type Inspection and was found to be in an airworthy condition on this date. Helicopters Northwest Technical Service, Inc. Richard K. Carter, President [REDACTED]



INSPECTION RECORD
F.A.R. 43.11-91.409

4-4-24 N4082J Robinson Helicopter model R22 Beta I serial number 1794
Hobbs 302.2 Aircraft TT 6007.3 Aircraft TSOH 302.2
Lycoming Engine O-320-B2C Serial Number L-12841-39A Engine TT 7641.8
Engine TSOH 302.2

Completed a ground check per part 2.205 of the Robinson Maintenance Manual. Completed a run up check per part 2.210 of the Robinson Maintenance Manual. Completed a flight check per part 2.220-no discrepancies noted. Aircraft approved for return to service. Helicopters Northwest Technical Services, Inc. Richard K. Carter, President, [REDACTED] Pilot fixedwing and Rotorcraft.

