

Q.A APPROVAL [REDACTED]
AIRCRAFT DESCRIPTION

3 APR 2008

MANUFACTURER ROBINSON HELICOPTER CO MODEL R44 DATE OF MFG. 23 APR 2008

SERIAL NUMBER 1875 REGISTRATION NUMBER _____

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

5-6-20 Robinson Helicopter N775AK R44 Raven I ship serial number 1875
Hobbs 1643.1 ACTT 1643.1 Lycoming Engine O-540-F1B5 engine serial number
L-26849-40E Engine TT 1643.1 TSOH not applicable

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 fixed wing and Rotorcraft.

3-10-21 N775AK Robinson Helicopter R44 Raven I ship serial number 1875 ACTT 1785.6
Hobbs 1785.6 aircraft TSOH nonapplicable Lycoming Engine O-540-F1B5 engine serial number
L-26849-40E Engine TT 1785.6

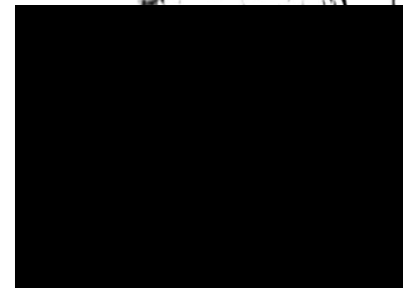
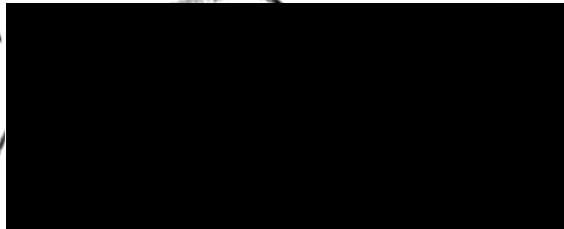
Completed a 100hr/Annual Inspection in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 460 Volume I, revision 14 section 2.200 dated July 2008 and in accordance with the scope and detail of CFR Title 14, Chapter I, Subchapter C, Part 43, Appendix D-as applicable to this aircraft, inspections. **Removed the Fanwheel and Scroll Assembly** in accordance with section 6.210. Removed the C007 Fanshaft and Bearing Assembly, Starter Ring Gear Support, Lower Sheave, and alternator belt in accordance with section 7.290. **Replaced the Aft engine mount** part number C653-1 in accordance with section 6.110. **Replaced the Alternator belt** installed belt part number B173-3. Checked and adjusted the alternator belt tension in accordance with Lycoming Service Instruction SI 1129 part 3, a-b, no defects noted. Replaced the Crankshaft nose seal part number LW13792. **Replaced the Starter assembly part number BC315-100-2.** Installed new starter part number BC315-100-2 serial number 2A00N7W71, see B&C sales order number 203485 dated October 20th, 2020 for part details. Installed fanwheel and Scroll Assembly in accordance with section 6.210. Reinstalled the C007 Fanshaft and bearing, Starter ring gear support, Lower sheave and alternator belt in accordance with part 7.291. Replaced the **fanwheel nut part number NAS1149F2432P, C182-1** and fanwheel shims part number MS200002-24 and roll pin

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	SIGNATURE	KIND OF INSPECTION STATUS & DISCREPANCY LIST CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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Inspection and was found to be in an airworthy condition on this date. Helicopters Northwest Technical Services, Inc. Richard K. Carter, President,

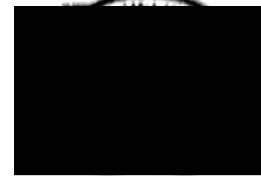


**3-10-21 N775AK Robinson Helicopter R44 Raven I ship serial number 1875 ACTT 1785.6 A
Hobbs 1785.6 aircraft TSOH nonapplicable Lycoming Engine O-540-F1B5 engine serial number
L-26849-40E Engine TT 1785.6**



Completed a ground check per part 2.205 of the Robinson Maintenance Manual. Completed a run up 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.

 Pilot fixedwing and Rotorcraft.



AIR
IT

ENGINE DESCRIPTION

MANUFACTURER LYCOMING MODEL O-540-F1B5

SERIAL NUMBER L-26849-40E DATE OF MANUFACTURE 20 DEC 2007

MAX HP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 100LL

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

ENGINE
LOG

Drive Shaft
82-18-01
Green Det.
Block
82-20-01
Soft Phosphate
94-01-03
Ignition Coil &
Magnet
94-06-09
Capacitor
10-349276
05-12-06
Impulse
Coupling
Inspection
SB643B
SB653
758

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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TCM Service Bulletin SB 636 key type switch per part 1, no defects noted. Complied with Lycoming Service Instruction SI 1080 items requiring special attention, in accordance with pages 1-3, no defect noted. Complied with Lycoming Service Letter SL-1129 alternator belt adjustment per part 2, A 1-2, no defects noted. Inspected alternator brush set part number ALE-1013A1 in accordance with the Hartzell technologies Service Information Letter SL-137A and Continental Motors Instructions for Continued Airworthiness part 10-19, dated March 9th 2011, revision new, no defects noted. Complied with AD 84-26-02 paper air filters-installed new air filter, B771-2. I certify that this engine has been inspected in accordance with 100hr / Annual Inspection and was found to be in an airworthy condition on this date. Helicopters Northwest Technical Services, Inc. Richard K. Carter, President,

**3-10-21 N775AK Robinson Helicopter R44 Raven I ship serial number 1875 ACTT 1
Hobbs 1785.6 aircraft TSOH nonapplicable Lycoming Engine O-540-F1B5 engine serial
L-26849-40E Engine TT 1785.6**

Completed a 100hr/Annual Inspection in accordance with the Lycoming Operators Manual document number 60297-10, 4th edition revised March 2009, section 4-1 thru 4-4, 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. Removed the Fanwheel and Scroll Assembly in accordance with section 6.210. Removed the C007 Fanshaft and Bearing Assembly, Starter Ring Gear Support, Lower Sheave, and alternator belt in accordance with section 7.290. **Replaced the Aft engine mount part number C653-1** in accordance with section 6.110. **Replaced the Alternator belt installed belt part number B173-3.** Checked and adjusted the alternator belt tension in accordance with Lycoming Service Instruction SI 1129 part 3, a-b, no defects noted. **Replaced the Crankshaft nose seal part number LW13792. Replaced the ring gear assembly part number LW 72566** in accordance with Lycoming Service Instruction SI-1141A, parts 1 thru 11, revision dated May 9th 2014. Reinstalled the C007 Fanshaft and bearing, Starter ring gear support, Lower sheave and alternator belt in accordance with part 7.291. Reinstalled the Fanwheel and Scroll in accordance with section 6.220. Dynamically Balanced the fanwheel in accordance with

Engine Log

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>60297-10, 4th edition, dated June 2006 section 5, 1(b) Bendix magnetos. Inspected the exhaust system in accordance with the Robinson Helicopter Company Maintenance Manual RTR460 volume I, Instructions for Continued Airworthiness section 6.520 and section 2.410 subsection 15 revision 13 dated October 2006. Removed the exhaust system in accordance with the Robinson Maintenance Manual and Instructions for Continued Airworthiness RTR 460 Volume I, revision 14 section 6.510 dated August 2019 parts 1 thru 7. Sealed exhaust beads using A701-10 stainless steel tape as required. See Robinson Helicopter sales order 856191 dated October 3rd, 2019 for part details. Inspected the carburetor body for fuel stains in accordance with Lycoming Service Bulletin SB366-Visual inspection of the carburetor body for stains, part one, no defects noted. Complied with Service Bulletin SB653 hot magneto test per part 1-no defects noted. Complied with TCM Service Bulletin SB 636 key type switches per part 1, no defects noted. Complied with Lycoming Service Instruction SI 1080 items requiring special attention, in accordance with pages 1-3, no defect noted. Complied with Lycoming Service Letter SL-1129 alternator belt adjustment per part 2, A 1-2, no defects noted. Inspected the alternator brush set part number ALE-1013A1 in accordance with the Hartzell technologies Service Information Letter SL-137A and Continental Motors Instructions for Continued Airworthiness part 10-19, dated March 9th 2011, revision new, no defects noted. Complied with AD 84-26-02 paper air filters-installed new air filter, B771-2. I certify that this engine has been inspected in accordance with 100hr / Annual Inspection and was found to be in an airworthy condition on this date. Helicopters Northwest Technical Services, Inc. Richard K. Carter, President, [REDACTED]</p>