

Q.A. APPROVAL [REDACTED] DATE 7-8-04
AIRCRAFT DESCRIPTION

MANUFACTURER ROBINSON HELICOPTER COMPANY MODEL R44 II DATE OF MFG. 7-8-04
SERIAL NUMBER 10423 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

Annual
T-ASP

Xpntel
Cue/C

INSPECTION RECORD

F.A.R. 43.11-91.409

PRAIRIE AIR INC.

AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
3/27/2020	Robinson R44	1906.2	1906.2	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1908.8 CAV AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 2016.2 OR 3/2021. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. REMOVE AND REPLACE DROOP STOPS PARTS: 2 EA C150-1, 1 EA MS27151-24 REMOVE AND REPLACE TELATEMP ON MEGP P/N: 1 EA P110-4. REMOVE AND REPLACE LH ENGINE BAFFLING P/N: 1 EA D380-3. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X-

JOSEPH V LARUE A&P

RVICE

S/N

10423

ABLE SERVICE
1.3 C/W AD 2015-19-04 (ED
REMOVED AND

THY CONDITION AT

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

PRAIRIE AIR INC.

AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
1/24/2020	Robinson R44	1808.8	1808.8	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W RHIC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1908.8 C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1918.8 OR 1/2021. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V LARUE A&P

AIRFRAME LOG

DATE

3/27/2020

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED AUG 2019 AND APPLICABLE SERVICE INSTRUCTIONS THRU 1/2020. C/W RHIC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1908.8 C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1918.8 OR 1/2021. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

AIRCRAFT TIME
IN SERVICEKIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICEPRAIRIE
air

AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
8/21/2019	Robinson R44	1755.4	1755.4	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 8/2019. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1855.4 AD 2019-12-18 (ED 07/05/2019) INDUCTION HOSE INSPECTION IS N/A BY DATE OF INSTALL. C/W AD 2015-19-04 (ED 11/03/2015) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1865.4 OR 8/2020. RHC SB-96 TIME DELAY ASSY IS N/A BY LOT #98. RHC SB-97 INDUCTION HOSE INSPECTION IS N/A BY P/N. RHC SB-98 AIR/OIL SEPARATOR HOSE IS N/A BY PARTS NOT INSTALLED. RHC SB-99 BATTERY LEAKAGE, N/A BY INSTALL. C/W RHC SB-100 A785-31 INDUCTION HOSE INSP C/W NO DEFECTS NOTED. RHC SB-101 IS N/A HELISAS FLIGHT CONTROL COMPUTER IS NOT INSTALLED. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. REPAIR LEAKING MAIN ROTOR BOOT REMOVED AND REPLACED BLUE BLADE PITCH BEARING BOOT P/N: C156-2 IAW R44 MM. DRAINED BLUE AND RED BLADE BOOTS, CLEANED MATING SURFACES, RE-INSTALLED CLAMPS AND SERVICED IAW R44 MM P/N: 1 EA C156-2. REMOVED PERVIOUSLY INSTALLED "EMERGENCY LANDING LIGHTS" UPDATED RECORDS AND WEIGHT AND BALANCE AS NEEDED. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

JOSEPH V LARUE A&P

S/N

10423

PERFORMED I/A/W R44
FORMED OPERATIONAL

S/N

10423

R44 MAINTENANCE MANUAL
CHECK, NO DEFECTS NOTED

T-4SP

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
6/6/2019	Robinson R44	1674.3	1674.3	N107EH	10423

REMOVED AND REPLACED ALTERNATOR BELT 1 EACH P/N B173-3. BALANCED FAN TO .1 IPS @ 286 DEG. ALL WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 6/2019. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

X

JOSEPH V LARUE A&P



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
7/16/2019	Robinson R44	1708.1	1708.1	N107EH	10423

REMOVED AND REPLACED FUEL PUMP ASSEMBLY WITH NEW KIT P/N KI-206-3. ALL WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 7/2019. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

JOSEPH V LARUE A&P

DATE

AIRCRAFT TIME
IN SERVICE

AIRFRAME LOG

DATE	MAK
8/21/2019	Robi

COMPLETED AIRCRAFT ANNUAL INSPECTION AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 8/2019. C/W RHC 07/05/2019) INDUCTION HOSE INSPECT par (e)(ii) NO DEFECTS NOTED. NEXT HOSE INSPECTION IS N/A BY P/N RHC INSTALL. C/W RHC SB-100 A785-31 IN NOT INSTALLED. REMOVED AND RE-INSTALLED BLUE BLADE FITCH BEAR RE-INSTALLED CLAMPS AND SERVICE UPDATED RECORDS AND WEIGHT AND BALANCE.

I CERTIFY THAT
THIS TIME.

CHARTER
X6000

INSPECTION RECORD



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
3/22/2019	Robinson R44	1563.2	1563.2	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME PREFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 3/2019. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1663.2 C/W AD 2011-26-04 (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION I/A/W par (c)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1673.2 OR 3/2020. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. ADJUSTED BELT ENGAGEMENT TIME. REPLACED CLOCK WITH NEW DAVTRON DIGITAL CLOCK. REPLACED BROKEN EXHAUST BRACKET ON TAIL PIPE. CHANGED HYDROLIC FILTER. DRAIN AND FLUSH GEARBOXES. PERFORME VALVE GUIDE INSPECTION AND MAINTENANCE. PRE MAINTENANCE #1 022 #2 022 #3 017 #4 014 #5 011 #6 015, POST GUIDE MAINTENANCE #4 017 #5 018 #6 017. REPLACED MAIN ROTOR PITCH LINKS DUE TO WEAR. TRACK AND BALANCE MAIN ROTOR. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V LARUE A&P

VICE

Annex 1
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S/N

10423

BLE SERVICE
6 C/W AD 2011-26-04
ND REPLACED AIR
L SECTION 1.140.
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35 AND OIL COOLERS
JALS AS NEEDED.
ONSOLE HINGE 1
NOTED.

HY CONDITION AT

S/N

10423

ABLE SERVICE
8 C/W AD 2011-26-04 (ED
EMOVED AND
ENANCE MANUAL
AV LIGHT BULB.
O DEFECTS NOTED.

HY CONDITION AT



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/8/2019	Robinson R44	1660.2	1660.2	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME PREFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2019. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1760.2 C/W AD 2011-26-04 (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION I/A/W par (c)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1770.2 OR 4/2020. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2. PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V LARUE A&P

INSPECTION RECORD F.A.R. 43.11-91.409

DATE



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
12/26/2018	Robinson R44	1405.6	1405.6	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PREFORMED ROUTINE SERVICING AND LUBRICATION ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 12/2018. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1505.6 C/W AD 2011-26-04 (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION NO DEFECTS NOTED, NEXT DUE AT A/C TT 1515.6 OR 12/2019. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2 LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. ADJUST MIXTURE CABLE TRAVEL TO HIT BOTH, FULL RICH AND IDLE CUTOFF STOPS. MEASURE UPPER CONTROLS PLAY AS IT APPEARED TO BE WORN. FOUND UPPER LINK AT .040", .021" IN LOWER LINK, .007 IN TARGET PC LINK, .014" IN BLANK PC LINK. REPLACED BEARINGS AND HARDWARE IN UPPER AND LOWER DRIVE LINKS SHIMMED AS NEEDED. 2 EACH NAS6606-31 BOLTS, 2 EACH C105-6 BEARINGS, 1 EACH C117-69 SHIM, C117-67 SHIMS. REMOVE UNDER FLOOR HOSES AND REMOVE DEBRIS FROM HEATER SYSTEM. CLEAN ENGINE BAFFLES AND OIL COOLERS OF DEBRIS. REPAIR ARCHING WIRES ON THE BACK OF THE CLUTCH SWITCH AND INTERCOM. REPLACED WIRE AND TERMINALS AS NEEDED, ADJUST WIRE BUNDLE AND CHAFF PROTECTED I/A/W STANDARD MAINTENANCE PRACTICES. REPLACED BROKEN UPPER CONSOLE HINGE. 1 EACH A356-2 HINGE. TRACK AND BALANCE MAIN ROTOR. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V LARUE A&P



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
2/27/2019	Robinson R44	1465.8	1465.8	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PREFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 2/2019. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1565.8 C/W AD 2011-26-04 (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION I/A/W par (e)(ii). NO DEFECTS NOTED, NEXT DUE AT A/C TT 1575.8 OR 2/2020. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2 LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. ADJUSTED BELT ENGAGEMENT TIME. REPLACED CLOTH FUSE UNDER PASSENGER SEAT. REPLACED TAIL NAV LIGHT BULB REMOVED, CLEANED SERFACES AND REPACED EXHAUST GASKETS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.

X

JOSEPH V LARUE A&P

AIRFRAME LOG

DATE

3/22/2019

COMPLETED AIRCRAFT ALL INSPECTIONS AND INSTRUCTIONS THRU 01/25/2011) FUEL INJECTOR REPLACED AIR FILTER SECTION 1.140. ADJUST BRACKET ON TAIL PI MAINTENANCE. PRE ROTOR PITCH LINKS I NOTED.

I CERTIFY THAT THIS TIME.

X

AIRFRAME LOG

DATE

4/8/2019

COMPLETED AIRCRAFT AND WC ALL INSPECTIONS AND INSTRUCTIONS THRU 4/201 01/25/2011) FUEL INJECTOR REPLACED

I CERTIFY THIS TIME

IRWORTHY CONDITION AT

INSPECTION RECORD

DATE



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/11/2018	Robinson R44	1121.8	1121.8	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2018. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1231.8 OR 4/2019. REMOVED AND REPLACED AIR FILTER WITH ROBINSON P/N C771-2 LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. REPAIR CRACKED AND BROKEN BAFFLE. REMOVE, FIT AND MATCH DRILL BAFFLE PIECE. STOP DRILL AND ADD DOUBLER ON TOP BAFFLE PIECE. FABRICATE AND REPLACE TAB ON LH BAFFLING. P/N D380-7 QTY 1. TO SEAL LEFT SKID TUBE. CLEAN OFF OLD SEALANT. ROUGH UP BOTH SURFACES AND RE-SEAL. CORRECT TAIL PIPE BRACE RUBBING ON COWLING. CLOCK TAIL PIPE SO BRACES FIT CORRECTLY. REPLACE BROKEN RH REAR INTERCOM SWITCH. P/N C049-10 QTY 1. ADJUST TAIL ROTOR THAT IS 1" OUT OF TRACK. ADJUST TAIL ROTOR TRACK IAW SEC 9.220. FINAL 3/32" TRACK. ADJUST SHEAVE ALIGNMENT. START .104 AND .065 - OUT OF SPEC BY .009. FINAL .094 AND .075 CENTER OF RANGE. ADJUST MIXTURE NOT HITTING FULL RICH STOP. ADJUSTED MIXTURE. OPS CHECK GOOD. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. X [REDACTED] JOSEPH V LARUE A&P [REDACTED]



AIRFRAME LOG

DATE	MAKE/MODLE	TACH	TT	REGISTRATION	S/N
4/19/2018	Robinson R44	1224.5	1224.5	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PERFORMED ROUTINE SERVICING AND LUBRICATION. ALL INSPECTIONS AND WORK PERFORMED I/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE INSTRUCTIONS THRU 4/2018. C/W RHC SL-43 PUSH PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1344.5 OR 4/2019. REMOVED AND REPLACED AIR FILTER (ED 01/25/2011) FUEL INJECTOR LINE INSPECTION. NO DEFECTS NOTED, NEXT DUE AT A/C TT 1344.5 OR 4/2019. REPAIR WITH ROBINSON P/N C771-2 LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. REPAIR WORN CYCLIC GRIP. REMOVE AND REPLACE OLD GRIP WITH NEW ONE. P/N D373-3 QTY 1. INSTALL MISSING CO-PILOT DOOR ROD END CLIP. P/N P-8100 QTY 1. REPLACE TRBG TELA TEMP. REMOVE AND REPLACE TELA TEMP. P/N F110-2 QTY 1. FLUSH AND SERVICE MRGB AND TRBG. DRAINED MRGB AND TRBG AND SERVICE WITH 100 MINERAL OIL. FLUSH AND SERVICE P/N A100QT QTY 3.25 QTS, MS35764-9 QTY 2, MS35764-8 QTY 2, A257-2LT QTY 3.5 QTS. CHANGE HYD FILTER. REMOVED AND REPLACED HYD OIL FILTER AND ORING IAW R44 MM. P/N; AN6235-1A QTY 1; MS28778-14 QTY 1. TEST RAN AND PERFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED I/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. X [REDACTED] JOSEPH V LARUE A&P [REDACTED]

AIRFRAME LOG

DATE

7/19/2018

COMPLETED AIRCRAFT ALL INSPECTIONS AND INSTRUCTIONS THRU 7/01/25/2011) FUEL INJECT WITH ROBINSON P/N C7 SHOOT ALTERNATOR 19, 1 EACH F6

I CERTIFY THIS TIME.

AIRFRAME LOG

DATE

9/25/2018

PERFORMED ROUTIN AND APPLICABLE SEI GOOD. REPLACED PO PROBE P/N: 1 EA 3080-MULTIPLE TIMES. ST/ RIGGING AT OIL SPEC NOTED.

I CERTIFY THIS TIME.

INSPECTION RECORD F.A.R. 43.11-91.409

DATE AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST

SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

I find that the aircraft meets the requirements
for the certification requested and have issued
a (standard) airworthiness certificate dated

3/17/2017. The next inspection is due

2/8/2018.



AIRFRAME LOG

DATE	MAKE/MODEL	TACH	TT	REGISTRATION	S/N
3/19/2018	Robinson R44	1021.8	1021.8	N107EH	10423

COMPLETED AIRCRAFT ANNUAL INSPECTION THIS DATE AND TIME. PREFORMED ROUTINE SERVICING AND LUBRICATION.
ALL INSPECTIONS AND WORK PERFORMED U/A/W R44 MAINTENANCE MANUAL VOLUME #1 DATED MAY 2016 AND APPLICABLE SERVICE
INSTRUCTIONS THRU 3/2018. C/W RHC SL-43 PUSH/PULL TUBE INSPECTION, NO DEFECTS NOTED NEXT DUE AT A/C TT 1131.8 OR 3/2019. C/W RHC SB-94 LOWER BEARING
(ED 01/25/2011) FUEL INJECTOR LINE INSPECTION. NO DEFECTS NOTED, NEXT DUE AT A/C TT 1131.8 OR 3/2019. C/W RHC SB-94 LOWER BEARING
A185 BRACKETS INSPECTION, NO DEFECTS NOTED. RHC SB-93A HORIZONTAL STAB NUT PLATE INSPECTION BY RE-TORQUE. C/W RHC SB 92A
TAIL ROTOR DRIVE SHAFT INSPECTION AND MARKING. C/W RHC SB-90 REVISED INSTRUMENT MARKINGS REMOVED AND REPLACED AIR FILTER
WITH ROBINSON P/N C771-2. LUBRICATED CLUTCH ACTUATOR LOWER BEARING C181-3 PER MAINTENANCE MANUAL SECTION 1.140. ADJUST
ROTOR RPM 1% BACK TO 102% TO MATCH ENGINE. CLEAN TAIL ROTOR PITCH CHANGE UNIT & CLEANED TAIL ROTOR SLIDER. REPLACE TAIL
ROTOR TELATEMP. REMOVE. CLEAN AND REPLACE. P/N 110-2 QTY 1. REPLACE DRY AND HARDENED OIL DRAIN HOSE. REPAIR LEAKING AUX
FUEL TANK DRAIN. REMOVED DRAIN AND REPLACED WITH USED, SERVICEABLE DRAIN. INSTALLED NEW O-RING AND HOSE. P/N MS29513-006
QTY 1; AV-110 QTY 1, YELLOW 1/4" TUBING QTY 6 1/2". TOUCH UP SCRATCHED CLUTCH DRIVE SHAFT. USED SCOTCH BRITE ON SCRATCHES AND
PAINTED. CORRECTLY INSTALL FUEL HOSE BY TRANSMISSION. REMOVED ZIP-TIE AND REPOSITIONED FUEL HOSE. FASTENED HOSE TO
FIREWALL. REMOVE FRONT R/H LANDING LIGHT AND NAV LIGHT. REMOVED LIGHTS AND REPLACED WITH NEW BULBS. P/N 4591 QTY 1; W1290-
28 QTY 1. SET MAIN ROTOR HUB CENTERING, TILTING FRICTIONS, INSTALL P/N: C005-12R, C005-12 MR BLADES SET BLADE CONING FRICTION AND
SHIMMING. RIGGING FIGHT CONTROLS. REPLACED MR BLADE/SPINDLE ASSEMBLIES WITH NEW RHC P/N C005-12CS ASSEMBLIES. THESE
ASSEMBLIES INCLUDE MR BLADES P/N C016-7 S/N'S 9568 & 9572 MR SPINDLES P/N C158-1 S/N'S 23080 & 23079 IS A LIFE LIMITED COMPONENT. LIFE
LIMIT STATUS RECORDS UPDATED. C/W MAIN ROTOR SYSTEM TRACKING AND BALANCE, BLADE TRACK. 21" SPREAD AT HOVER AND .05 IPS @ 3
CLOCK ANGLE. BLADE TRACK. 25" BLADE SPREAD AND .01 IPS @ 62.9 CLOCK ANGLE @ 40 KTS. BLADE TRACK. 08" BLADE SPREAD AND .07 IPS @
82.5 CLOCK ANGLE @ 60 KTS. BLADE TRACK. 3" BLADE SPREAD AND .06 IPS @ 52.3 CLOCK ANGLE @ 80 KTS. BLADE TRACK. 33" BLADE SPREAD
AND .04 IPS @ 28.4 CLOCK ANGLE @ 101 KTS. TEST RAN AND PREFORMED OPERATIONAL CHECK, NO DEFECTS NOTED.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED U/A/W AN ANNUAL AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT
THIS TIME.

X

JOSEPH V LARUE A&P

Annu Insp

123 Total Time: 97.0
8-2017
bs 97.0

Rev Oct 2006

10423.

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

DATE



eXplore Helicopters LLC.

Lexington, AL 35648

Registration: N-107EH

Make: Robinson

Model: R-44 Raven II

Serial # 10423

Date: 02-08-2017

Tach/Hobbs 978.0

Total Time: 978.0

I certify at this time that I have performed an ANNUAL inspection IAW RHC-460 2.400 Rev Oct 2006

1. Pertinent Details of this inspection are on file at eXplore Helicopters under file 10423.
2. PDH is current
3. Removed M/R Blades PN: C016-5 SN: 0932B & SN: 0936B
4. Removed M/R Spindles PN: C158-1 SN: 4199 & SN: 4304
5. Installed M/R Blades PN: C016-5 SN: 1567C & SN: 1640B
6. Installed M/R Spindles PN: C158-1 SN: 5156 & SN: 5236
7. Removed T/R Blades PN: C029-2 SN: 0920H & SN: 0922G
8. Removed T/R Hub Assy PN: D062-2 SN: 1395
9. Installed T/R Blades PN: C029-3 SN: 3027 & SN: 3029
10. Installed T/R Hub Assy PN: G062-2 SN: 2200

C1007C
X 04/05

INSPECTION RECORD

F.A.R. 43.11-91.409

AGENCY & CERTIFICATE NO.
WORK PERFORMED/RETURNED TO SERVICE

DATE
AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION - STATUS & DISCREPANCY LIST
SIGNATURE - CERT. NO. OF PERSON APPROVING OR DISSAPPROVING AIRCRAFT FOR SERVICE

4/22/04

5.0

FAA Production Flight Test Satisfactory

7-8-04

5.1

I find the rotorcraft eligible for the certification requested and have issued an Export Certificate of Airworthiness FAA Form 8130-4

No.

MARTIN P. SCHNEIDER

Annex
Insp