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		CITY, STATE, ZIP'	STREET ADDRESS	OPERATOR	CITY, STATE, ZIP	STREET ADDRESS	REGISTERED OWNER	CITY, STATE, ZIP	STREET ADDRESS	OPERATOR	CITY, STATE, ZIP	STREET ADDRESS	REGISTERED OWNER	SERIAL NUMBER ///20	MANUFACTURER ROBINSON HELICOPTER CO.
														\$	R CO. MODEL RYY RAVEN II
			MAINTENANCE RESPONSIBILITY	DATE ENTERED	ОТНЕК		F.A.R. 135.419 A.T.C.O.		r.A.n. 91.409 FROURESSIVE		F.A.R. 91.409 ANNUAL/100 HOUR		Inspection Status (Check one)		DATE OF MFG.

INSTALLED EQUIPMENT

		TO DEED TO ALL HOUSE THE WAY	
ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	TEXTRON LYCOMING	IO-540-AE1A5	E-30914-48A- L-3/601-48A
INST. CLUSTER	ROCHESTER	B144-4	1582
OAT GAUGE	DAVTRON	307 FC	A09284
ALTIMETER	UNITED INSTRUMENTS	5934P-3	448902
VERT. SPEED	UNITED INSTRUMENTS	7000	313792
AIRSPEED	UNITED INSTRUMENTS	8000	191708
MANIFOLD PRESS.	UNITED INSTRUMENTS	6111	191037
TACHOMETER	PHAOSTRON	C792-4	4644
GOVERNOR	ROBINSON HELICOPTER CO.	D278-2	1803
TRANSCEIVER	BENDIX/KING	KY196A	30374
VERT. CARD COMPASS	PRECISION AVIATION	PAI-700	57616
DIRECTIONAL GYRO	BF GOODRICH	205-1B	505003190325783
ATTIT GYRO W/INCL	BF GOODRICH	110014S	504011192725580
TRANSPONDER	GARMIN	GTX327	83720677
BLIND ENCODER	TRANS CAL	SSD120-30A	A64384
AUDIO CONTROL	NAT	AA12S-002	1396
GPS/COM	GARMIN	GNC420	97203358
CHRONOMETER	ASTROTECH	LC-2	C10-10270
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PART	NUMBER	NUMBER	DATE/HOURS	AT INSTALL	OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT, NO.
MR Gearbox	C006-6	1955	2-25-2015 4301.7	Overhauled 0 TSOH	2200 TBO		Old City Helicopter Sales, LLC
, MR Blade	C016-7	4608 *	2-25-2015 4301.7	New 0 TT	2200 life 12Years		Old City Helicopter Sales, LLC CRS # O8DR0711
• MR Blade	C016-7	4642 ×	2-25-2015 4301.7	New 0 TT	2200 life 12Years		Old City Helicopter Sales, LLC CRS # O8DR0711
, MR Swashplate	C017-6	2378 ×	2-25-2015 4301.7	New 0 TT	2200 TBO		Old City Helicopter Sales, LLC CRS # O8DR0711
Frame Assy	C020-1	7701 ×	2-25-2015 4301.7	New 0 TT	2200 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
· TR Gearbox	C021-1	5739	2-25-2015 4301.7	Overhauled 0 TSOH	2200 TBO		Old City Helicopter Sales, LLC CRS # O8DR0711
• Tailcone Assy	C023-1	7193	2-25-2015 4301.7	New 0 TT	4400 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
→ TR Blade	C029-3	3425 _×	2-25-2015 4301.7	New 0 TT	2200 life 12Years		Old City Helicopter Sales, LLC CRS # O8DR071L
، TR Blade	C029-3	3426 _x	2-25-2015 4301.7	New 0 TT	2200 life 12Years		Old City Helicopter Sales, LLC CRS # O8DR071L
1 TR Hub	G062-1	2465	2-25-2015 4301.7	New 0 TT	2200 Life	î	Old City Helicopter Sales, LLC CRS # O8DR071L
TR Pitch Control	C031-1	8609 _x	2-25-2015 4301.7	New 0 TT	2200 TBO		Old City Helicopter Sales, LLC CRS # O8DR071L
' Horiz. Stab.	C044-1	7949 _x	2-25-2015 V 4301.7	New 0 TT	4400 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
Actuator	C051-2	2213	2-25-2015 4301.7	Overhauled 0 TSOH	2200 TBO		Old City Helicopter Sales, LLC CRS # O8DR071L
[⋄] MR Gearset	C146-5	8212	2-25-2015 4301.7	New 0 TT	2200 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
•MR Hub	C154-1	8437 _v	2-25-2015 4301.7	New 0 TT	2200 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
MR Spindle	C158-1	17892 _×	2-25-2015 4301.7	New 0 TT	2200 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
³ MR Spindle	C158-1	17901	2-25-2015 4301.7	New 0 TT	2200 Life		Old City Helicopter Sales, LLC CRS # O8DR071L
Clutch Shaft	C166-4	9016	2-25-2015 4301.7	New 0 TT	2200 TBO		Old City Helicopter Sales, LLC CRS # O8DR071L

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Old City Helicopter Sales, LLC CRS # O8DR071L		2200 TBO	0 TSOH	4301.7	X 7±0.1		ID /
CRS # O8DR071L			Overhauled	2-25-2015	1642	D500-1	Hyd. Pump Assy
CRS # O8DR071L Old City Helicopter Sales, LLC		2200 TRO	Overhauled	2-25-2015 4301 7	3415A ×	D212-1	Hyd. Servo
Old City Helicopter Sales, LLC		2200 TBO	Overhauled	2-25-2015 4301.7	1588A ×	D212-1	Hyd. Servo
Old City Helicopter Sales, LLC		2200 TBO	Overhauled 0 TSOH	2-25-2015 4301.7	6984A ×	D212-1	Hyd. Servo
Old City Helicopter Sales, LLC	90. 1:11	2200 TBO	Overhauled 0 TSOH	2-25-2015 4301.7	2388 😮	D211-2	Hyd. Resv.
Old City Helicopter Sales, LLC	-trol-107	2200 TBO	New 0 TT	4301.7	9006 ×	ו-6/0ת	TIVOUALO
CRS # O8DR0711		L	OTT	3-25-201¢	200	D070 1	TR Guard
CRS # O8DR071L		2200 TRO	New	2-25-2015	8854	C545-1	• TR Gearset
Old City Heliconto-		2200 TBO	New	2-25-2015 4301 7	8107 ×	C264-2	~MRGB Housing
Old City Heliconter Sales, LLC		2200 TBO	New	2-25-2015 4301.7	5609 _x	C263-2	MRGB Sump
CRS # 08DR071L Old City Helicopte- S.		2200 TBO	Overhauled 0 TSOH	2-25-2015 4301.7	R2842	- C251-2	·MR Driveshaft
CRS # 08DR071L Old City Helicon		4400 TBO	New 0 TT	2-25-2015 4301.7	6483 ×	D196-1	•TR Driveshaft
CRS # 08DR071L Old City Helicox		2200 TBO	New 0 TT	2-25-2015 4301.7	9912 🗴	C188-3	Sprag Clutch
AGENCY Old City Halion	ZYN L/ MOORS	2200 TBO	Overhauled 0 TSOH	2-25-2015 4301.7	3204 ×	C181-3	Bearing Assy
-	REMOVAL	LIFE LIMIT OR T.B.O.	TIME ON PART AT INSTALL	INSTALLATION DATE/HOURS	SERIAL NUMBER	PART NUMBER	NAME OF PART
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	AIRWUK	IHINESSI	AIRWURIHINESS DIRECTIVE/FACTORY B	CIOKY BU	LLE IIN CON	ILLETIN COMPLIANCE RECORD
A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
All Robi	nson Service I hiweekly issu	Bulletins comp se # 2015-04 a	All Robinson Service Bulletins complied with through SB-88. All FAA		Nirworthiness Dir	Annual Inspection by Old City Helicoptor
Sales, LI	Sales, LLC under WO # 140007.	# 140007.			ú	
						2/25/2015
Old City	Helicopter So	Old City Helicopter Sales, LLC - CRS	O8DR071L			Date
	¥			And the second s		
	MR Bidde	11.12.8 Si. 18.14111	N163RK Robinson R44 Raven II S/N 1 Performed SR-80 Main Poter blad		3RK Robinson R44 Raven II S/N 11120 Hobbs 4321.8 TT 4321.8	T 4321.8
			maintenance ma Ahove using Rote	maintenance manual and video instructions	structions	COMBOIL
15			Installed new left skid cap cover All 2224027	skid cap cover /pa	Installed new left skid cap cover /painted black	de mod vi i i kevnya
j	ç		TO THE EXTENSE OF THE PARTY.	WATE BARE STONE	viay 51, 2015	
≥3B-90	wisper ind	8/14/17 4379.9	applied decal	1+12-16	(UA	Ref Left CRS# OSDRO 71L
50-91	amsterfuse	8/14/17 4378.g	installed tuse	- time	NA	11/11/1/26 C13+080RQ72L
JB-92	Mosdon	1/14/17 43/9.9	applied adhesive	1 time	NA	Thather 080R071L
\$8-93 A	47+5 2in 41	1 MIR	~	1 time	WA	Tutulu COHORDROTIL
4-92	مداريل الم	2/4/2		1+me	NA A	TIMATULE CICUTORUPOL
ADJC17-Agana	Citanana a 1th La	8/14/17	N.A. Sar S.N.	1 time	NA	Thistikler COS O ROPIL
40-71-910XQY	ADDOG-26-04MR 81lac	STATE OF THE PARTY	completed Per SB-80	Itime	NA	Thut with 08DRO71L
01-60-01/R OF	AD20110-09-10 TIR BLADES	1.1,805	MIR OF THE GOOD	Time	V/X	HIBHES JAH STHAIL
APAULO-180	Engire indus	02-09-2021	totalled my intake	Time	11/4	pring complied with

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2021 WIA 64:	14ac-11-01 5 8815 14ac-11-01	411548 1	151 02-05-2021 NIX NO A:/0:\ 17 time 151 02-09-2021 NIX NO A06	-102 mile a ALUSS -102-09-2021 MRD T: 1070-10-11-11-11-11-11-11-11-11-11-11-11-11	1 4997,7 installed No. 1-264-1 1 1 02-09-2021 installed new hose 1 25 tilyer 02-09-2031 N/A ov. Halisas		WIA 14 54 POUD 1918 -	AIRWORTHI
NIA POST SO AND	N/A N/S	A/A frewingly complied with	MIA Previously complied	A Secretary of the secr	MIA	NIA Praviously complied ADP 376	AlA freviously a	RY BULLETIN COMPLIANCE RECORD RECUR. DATE/HRS./CYCLE CERTIFICATE NO. CERTIFICATE NO.

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MG - APTA 3L07269	P			6-14-13	Doctor	20110
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Does Not Apply Man Appl 36000	SN	Apply By	Does Not	5590.	AF112-12-08 RPM5955X	30-21-08 MM2-12-08
INCL_ APIA 3607269	NX+PIT	Rewr	Visual	3540.1		1-12 12
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1 2 2 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	NIA	1-time	MA by AIC SIN	5 K-0. 7	2143-2 Secosor	11.47
hathin ADP 3742161	N JA	4 time	NA by TRO SIN 4 +8me	520-302	10021-3	· (5-110)
AUTHORIZED SIGNATURE CERTIFICATE NO.	NEXT COMP. DATE/HRS./CYCLE	TYPE OF A.D. 1 TIME/RECUR.	METHOD OF COMPLIANCE	DATE & HRS. AT COMP.	ITEM AFFECTED	A.D./BULL.
ULLETIN COMPLIANCE RECORD		CIORY B	AIRWORIHINESS DIKECTIVE/FACTORY B	HINESS I	AIRWOK	

ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411

		F.A	A.R. 91.41			
DATE MANUFACTURER	MODEL	SERIAL NO.	LOCATION	MAX. ALT.	RECHECK REQUIRED	APPROVED BY: AGENCY CERT. NO.
] <	VFR		
			<u> </u>	rie tests required erformed in accordance with the tests required to the test	dance with FAR	performed in accordance with FAR 43 appendix F.
			# # 4	#1 Transponder 6/x327	rested 1×3×7	s/n -23720677
			##:	#1 Altitude Reporter	55/120	
			O :	igned	7	Date 2-11-15
			Į.	Volusia priation, Inc.	c. 386-290-1663	FAAC
2018 TRANSPOLLER	`	CHECK UNDER 1	sea mi	MATENA	EX	READ
8103/2/01	8					
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ALTIMETER & STATIC SYSTEM CHECKS

F.A.R. 91.411

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MANUFACTURER

MODEL

SERIAL NO.

LOCATION

MAX. ALT.

RECHECK REQUIRED

AGENCY

CERT. NO.

APPROVED BY:

7 Airport Rd Savoy, IL. 61874

(217)351-7700 (800)747-4777

Certificated Repair Station #BONR551C Page 1

N10859 MAKE: ROBINSON MODEL: R44II S#: 11120 DATE: 02-26-2021 Hobbs Time: 4998.1

•THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 WERE PERFORMED AND TRANSPONDER, MAKE: GARMIN, P/N: 011-03302-00, MODEL: GTX 345, S/N: 3EG022707. FOUND TO COMPLY WITH FAR 43, APPENDIX F.

IN AN AIRWORTHY CONDITION, AND IS APPROVED FOR RETURN TO SERVICE RELATIVE TO THE WORK PERFORMED. PERTINENT DETAILS OF THIS WORK SCOPE ARE ON FILE AT THIS REPAIR STATION UNDER THE WORK ORDER NUMBER AV-10859. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION, HAS BEEN DETERMINED TO BE THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH THE

for THE FLIGHTSTAR CORPORATION, CRS# BONR551C

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RADIO & ELECTRONIC CHECKS

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DATE TIME	EQUIPMENT CHECKED	CHECK	ERROR OR RESULTS	NEXT CHECK	CHECKED BY: SIGNATURE — CERT. NO.
		7 Airport Rd Savoy, IL. 61874	~		
	,	(217)351-7700 (800)747-4777		Certificated Repair Station #BONR551C Page 1	NR551C Page 1
N163RK MAI	KE: ROBI	N163RK MAKE: ROBINSON MODEL: R44II S#: 11120		TE: <u>02-26-2021</u>	DATE: 02-26-2021 Hobbs Time: 4998.1

•THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 WERE PERFORMED AND

FOUND TO COMPLY WITH FAR 43, APPENDIX F.

TRANSPONDER, MAKE: GARMIN, P/N: 011-03302-00, MODEL: GTX 345, S/N: 3EG022707.

CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION, HAS BEEN DETERMINED TO BE PERFORMED. PERTINENT DETAILS OF THIS WORK SCOPE ARE ON FILE AT THIS REPAIR STATION UNDER THE ARTICLE IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH THE IN AN AIRWORTHY CONDITION, AND IS APPROVED FOR RETURN TO SERVICE RELATIVE TO THE WORK THE WORK ORDER NUMBER AV-10859.

for THE FLIGHTSTAR CORPORATION, CRS# BONR551C

DATE OF COMPLETION **AIRCRAFT TIME** DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED **WORK PERFORMED/RETURNED TO SERVICE** AGENCY & CERTIFICATE NO.

OLD CITY HELICOPTER SALES, LLC 4900 US 1 North, Suite 400 St. Augustine, FL 32095

DATE: 02-25-2015

REGISTRATION: N163RK MAKE: ROBINSON MODEL: R44 RAVEN II SERIAL #: 11120 HOBBS: 4305.7 TOTAL TIME: 4305.7

flight checked and I certify that it has been inspected IAW with the requirements for a 100 Hour/Annual Inspection and has been and new documentation installed in POH. Pertinent documentation and FAA forms 8130-3 are contained in the records file for this aircraft logbook and page 9 of this log for details of AD and SB compliance. Life limited parts that have been replaced, and major components that revision. AD's through Bi-weekly issue 2015-04 have been complied with. RHC SBs through SB-88 have been complied with. See previous This aircraft was overhauled and inspected IAW current FAA regulations and RTR-460 Section 2.700. POH was updated to reflect current determined to be in airworthy condition. Details of this overhaul and inspection are under WO# 140007 Various small parts, hardware, grommets, decals, clamps, etc. are not listed but were replaced w/new as necessary. This rotorcraft was reassembled, and refinished IAW RTR-460. Aircraft was repainted IAW RTR-460. RHC SB-78B Bladder fuel tank retrofit was completed Lantana, FL. D046-1 and D046-3 lower frames stripped and inspected by Palm Beach Aircraft Propeller, Inc. Landing gear was inspected required and NDT inspected IAW RTR-460 by Palm Beach Aircraft Propeller, Inc. (FAA CRS # LU4R349M; EASA CRS # EASA.145.5271) in have been overhauled, are listed on pages 5 & 6 of this logbook. All new or overhauled parts are listed on the parts list contained in WO # I.A.W. KI-196-2 kit instructions. Drained and flushed gearboxes IAW RTR-460 Sections 1.120 & 1.130. Weight and balance was performed 140007; parts not specifically listed were inspected and continued in service. Forward & aft cross tubes and aft struts were stripped as

Authorized Signature:

for:

OLD CITY HELICOPTER SALES, LLC FAA CRS# O8DR071L

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63RK Robinson R44 Raven II S/N 11120 Hobbs 4312.6 TT 4312.6

- Removed and replaced Concord Engine Battery. Same type / size
- New battery p/n RG24-15 p/n 40710921
- Warranty sent to Concord (customer service@concordebattery.com)
 Mike Phillips A/P 3324927

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COMPLETION 90E DATE OF **AIRCRAFT TIME** 134**9** IN SERVICE N163RK Robinson R-44 Raven II s/n 11120 Aircraft TT 4349.1 Hobbs 4349.1 and was found to be in airworthy, sond Keith E. Phillips 1922338 I/A I certify that this Airframe has been inspected in accordance with an Annual Inspection 212668035IA January 11, 2017 Paul A. Brévard N163RK placarded in accordance with FAR 91.207 Para ELT removed for maintenance this date. Panel Following performed for 100hr/ annual inspection Replaced left side engine plenum p/n D380-7 due to cracked thru (replaced TT4091.5) Transponder test due Feb 2017 Oil not changed this annual, 16.7 hrs on oil Cleaned and tested spark plugs ELT due Oct 2016 Touch up paint on MR tips and black leading edges DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED F.A.R. 43.9 WORK PERFORMED/RETURNED TO SERVICE Aug 10, 2016 AGENCY & CERTIFICATE NO.

MAINTENANCE RECORD

		7	7									\perp	\perp	\int					J	
																			DATE OF	
					1 -								Wa 1.						AIRCRAFT TIME IN SERVICE	AIRCRAFT
LIZOSONAL GENERALE SERVILE	Paul A. Brevard	checked and found satisfactory. Re-secured instruntested all warning light functions. No defects noted.	nstalle	December 19, 2016 Hobbs:	212668035IA	Paul A. Brevard		JB-Weld at stud insulator. Reinstalled sender and leak	De-fueled aircraft and removed sender. Cleaned all ma sender stud insulator and nut loose. Cleaned all parts	Right side landing light inop Removed falled lamp and installed new GE 4591.	handheld CO detector be used to verify aircraft sensor detection and alert.	Inspected exnaust system and found exnaust pipe ciamps leaving at manny as manny as manny as manny as manny as	Cleaned sensor with compressed alr-Light does not indicate sensor fault	filter for contaminants, none noted. Ground run and leak checked satisfactory. 2. CO detector light illuminates after several minutes of operation.	Drained oil and replaced filter. Serviced with 8 qts Aero	R44 II, S/N: 11120	December 7, 2016 Hobbs: 4365.0		DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	1.A.n. 43.9
		Re-secured instrument panel and . No defects noted.	ed new, P/N C696-1. Self test mode				to service for the work accomplished.	sender and leak checked. No defects noted. with Robinson R44 maintenance manual.	leaned all mating surfaces and round		detection and alert.	pancies. Recommend a	ndicate sensor fault.	ak checked satisfactory. of operation.	d with 8 qts Aeroshell 100 AD. Inspected old			لميم	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE	

COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATION
			CHAMED/RETURNED TO SERVI
January 17	January 17, 2017 Hobbs: 4366.2	6.2	
accordance	accordance with FAR 91.207(d). New battery	ew and inspected ELT in (d). New battery	
replacement date Jai	replacement date January 2019.	019.	
212668035IA			
N163RK R	OBINSON HELIC		
The Altitude R	eporting system te	est required by Face .	8 WO# 50957 03/07/2017
The ATC Tran	isponder test regui	The ATC Transponder test required by EAR 63.4.11 was performed and complies with EAR 43 Appendix E.	ith FAR 43 Appendix E.
		And the second of the second o	43 Appendix F.
1:			

', I.,

212 Cessna Bvld, Hangar 5, Port Orange, FL 32128 FAACRS# G43R643N Joseph McCormack Avionics Installations, Inc

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) L.

COMPLETION DATE OF AIRCRAFT TIME OR APPROVED DATA USED WORK PERFORMED/RETURNED TO SERVICE AGENCY & CERTIFICATE NO.

OLD CITY HELICOPTER SALES, LLC 4900 US 1 North, Suite 400

St. Augustine, FL 32095

DATE: 8/14/2017

Details of this inspection are under WO# 170046. I certify that this aircraft has been inspected in accordance with a 100 Hour / Annual paint on main rotor tip caps, main rotor trailing edge, horizontal stabilizer bolts, screw on front of fuselage, and aft cowling junction of tail cone. inspection was determined to be in airworthy condition with respect to the work performed replaced with new knob. Installed new A654-43 decal. Disabled directional gyro and marked "INOPERATIVE". Corrected erosion and damaged @ 1:14. Balanced main rotor to .12 IPS @ 8:12. Track of MRBs within limits. Damaged panel light knob P/N MS91528-OC1B removed and aircraft with new screw, washer and nut. Tracked and balanced helicopter. Tail rotor tested at 0.07 IPS @ 5.59. Balanced cooling fan to .189 IPS S/N 1475 with new condenser P/N D783-1, S/N 5519191 and upper condenser line assembly P/N D810-1. Replaced missing screw on front of sediment in fuel system out through main tank, aux tank, and gascolator sump drains. Removed and replaced cracked condenser P/N D783-1 and United Instruments SB-13. Altimeter not affected per altimeter S/N 448902. Cleaned gascolator drain valve to fix fuel leak. Flushed SB-93A by torquing and inspecting vertical stabilizer attach bolts. Performed SB-94. No evidence of fretting found. Completed AD 2017-04-06, RHC website). AD 2016-26-04 complied with on 05/31/2015 at 4321.8 hours by performance of SB-89. Installed SB-90 decal P/N G654-6. within limits of 500 grams minimum. Checked POH revision and updated from revision date 2/21/2014 to current revision date 10/21/2016 (per Installed ammeter circuit fuse protection IAW RHC SB-91. Applied B270-1 sealant to tail rotor drive shaft damper bearing IAW SB-92. Performed bearing per RHC R44 MM § 1.140. Next Due at 4679.9 Hours or 8/11/2020. Weighed fire extinguisher. Fire extinguisher weight: 502.6 grams labeled "INOPERATIVE". Performed aircraft battery capacity test, capacity found to be 99%. Next check due 8/10/2018. Lubricated C181-3 § 1.115. ELT remote switch not functional. Manufacturer recommended returning unit for repair, customer declined. ELT disabled and switch alignment check IAW RHC RTR 460 § 7.230. Sheave alignment LH) .099", RH) .085". Cleaned MR & TR gearbox chip detectors IAW RHC RTR 460 RHC RTR 460 § 7.340. Checks yielded: Bay 1) .005", Bay 2) .003", Bay 3) .003", Bay 4) .007", Bay 5) .003", Bay 6) .006". Performed clutch sheave pitch links inboard to outboard and checked axial and radial play IAW RHC RTR 460 §§ 8.570 & 2.122. Performed tail rotor run-out check IAW Appendix D to Part 43. Removed and cleaned gascolator bowl and filter IAW RHC RTR 460 §§ 2.410(6) & 12.500. Rotated one-piece tail rotor Performed annual inspection IAW Robinson R44 Maintenance Manual and Instructions for Continued Airworthiness RTR 460, Section 2.400 and REGISTRATION: N163RK MAKE: ROBINSON MODEL: R44 Raven II SERIAL #: 11120 HOBBS: 4380.5 TOTAL TIME: 4380.5

Authorized Signature:

Robert J. Weber,

Mechanic

OLD CITY HELICOPTER SALES, LLC

for:

FAA CRS# O8DR071L

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	cest	Paul A. Brevard Succ	
	hellcopter is approved for retur	Reinstalled removed panels. This service for the work accomplished	, I,
	components and leak checked. Ground run engine and engaged rotor clutch. Found light and pressure response appropriate. No leaks noted.	components and leak che	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	new replacement of fuel boost pump pressure switch, fuel strainer vacuum switch, and fuel strainer bowl, seal, gasket, and drain valve. Secured all	new replacement of fuel b	i.
	Fuel leaking at electric boost pump and fuel strainer assembly. Removed access panels and fuel system plumbing to allow removal and	Fuel leaking at electric bo Removed access panels a	it L
		N163RK R44, S/N: 1112	$\hat{\mathbf{I}}_{a_i}^{\mathbf{I}}$
	s: 4396.7	December 21, 2017 Hobbs: 4396.7	ξ, L,
		,,	%
A SERVICE	OR APPROVED DATA OSED	COMPLETION IN SERVICE	है। _{1,}
WORK PERFORMED SETTIFICATE NO.	DESCRIPTION OF WORK PERFORMED		3
	F.A.K. 43.9		1

H

COMPLETION DATE OF approved for return to service. 0.019 ips. Ground run and operational check satisfactory. This engine is 212668035IA çooling fan balance per para (6.240). Balance as found: 0.48 ips. As left: and gapped spark plugs. Reinstalled cooling fan and upper fan shroud using original slip alignment marks in accordance with Robinson taper for scoring and fretting. None noted. Cleaned fan and engine taper, inspected carrier bearing, adjusted alternator beit tension, and cleaned lbs in accordance with para (1.330) and secured, as required. Performed maintenance manual, para (6.22), dated June 2014. Torqued nut to 550 ft **R44** aul A. Brevar from taper and removed-upper fan shroud/Inspected fan cone and engine tallpipe, and lower fan shroud. Removed fan attaching nut and pulled fan Removed aft engine cowlings, AC condenser, exhaust muffler and S/N: 1112 N 163RK January 16, 2018 Hobbs: 4396.7 **AIRCRAFT TIME** IN SERVICE MAINTENANCE RECORD DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED F.A.R. 43.9 WORK PERFORMED/RETURNED TO SERVICE AGENCY & CERTIFICATE NO.

F.A.R. 43.9

DATE OF	AIRCRAFT TIME	DESCRIPTION	F.A.R. 43.9 DESCRIPTION OF WORK PERFORMEN	9			*
COMPLETION	IN SERVICE	OR APP	OR APPROVED DATA USED	Ē		AGENCY & CERTIFICATE NO.	AGENCY & CERTIFICATE NO.
***	Elx.N	Log	Log Book Entry				
T.		Hobbs	s 4403.7			Work Order	18-1740
	≨·		#4 5-2-1-1	4	┪	Jadillori	
	Number	Time	Total Time	TSMOH #2 Engine	ne #2 Engine Total Time	#2 Engine A	Aircraft Total
Ĩ.,	Robinson N163RK 11120	20 4403.7 L-30914-48A	48A 4403.7	N/A N/A	N/A		N/A
	Complied with the following Maintenance items. 1 Performed a 50, 100hr Annual airframe inspectors 2 Performed a 50, 100hr Annual airframe inspectors.	nplied with the following Maintenance items. 1 Performed a 50, 100hr Annual airframe inspection in accordance with 2 Performed a 50 100hr Annual applied inspection in accordance with	accordance with the R	the Robinson R44II maintenance manual	ntenance manua		
*	3 Changed the engine oil an check (ok) in accordance v	Changed the engine oil and oil filter with a new filter p/n AA48108-2 and serviced with 9 qts of Aeroshell 100PLUS oil, performed a leak check (ok) in accordance with the Lycoming IO-540 operators manuals	n AA48108-2 and senerators manuals	iced with 9 qts of a	rators manual. Veroshell 100PLL	IS oil, performe	d a leak
1.	4 Complied with a engine co #6-76.	Complied with a engine compression check in accordance with the IO-540 operator's manual, measured #1-77 #2-76 #3-75 #4-76 #5-76.	nce with the IO-540 o	perator's manual,	neasured #1-77	‡2-76 #3-75 # 4	-76 #5-76
	5 Checked the magneto timil 6 Cleaned, gapped, tested, a 7 Performed a annual ELT in	Checked the magneto timing in accordance with the Lycoming IO-540 operator's manual. Cleaned, gapped, tested, and rotated the engine spark plugs in accordance with the Lycoming IO-540 maintenance manuals. Performed a annual ELT inspection and ops check (ok) all work performed in accordance with the Lycoming IO-540 maintenance manuals.	coming IO-540 opera	operator's manual. fance with the Lycoming	IO-540 maintena	nce manuals.	
Ĭ.	8 Performed an aircraft and	Performed an aircraft and engine ground run and leak check in accordance with the Politics of	check in accordance		31.207	valleries are di	ie Jan
	manuals.				National Action	ng IO-540 mai	ntenance
	Complied with the following Technical Bullentins 1 Complied with SB 480E by changing the engine oil and filter, next due	chnical Bullentins changing the engine oil and	filter next due at 446	at 4453 7 or 12/2010			
Ì	Complied with the following AD's)'s					Y
ľ',	1 Complied with AD 2015-19-07 dated 11/3/2015 by visual inspection of actt 4403.7 or 8/2019.	-07 dated 11/3/2015 by visu		the engine fuel injection lines, with no defects noted. Next due at	lines, with no def	ects noted. Ne	t due at
	2 Checked Ads through biweekly 2018-16	ekly 2018-16.					
	INSPECTION AN	INSPECTION AND THE CURRENT REGULATIONS OF THE FEDERAL ACCORDANCE WITH A 100hr ANNUAL	ATIONS OF THE FER	D IN ACCORDAN	CE WITH A 100h	ANNUAL	
Ĭ.		APPROVE	APPROVED FOR RETURN TO SERVICE	SERVICE.	ADMINISTRATIO	N AND IS	
\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		AUTHORIZED SIGNATURE	ATHRE	MI)		
			Scott W Yerk IA 3944890				
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MAINTENANCE RECORD

N163RK

Robinson R44 II

AIRCRAFT SERVICES

10/02/2018

URNED TO SERVICE FICATE NO.

Hobbs: 4417.9

S/N: 11120

Performed the following maintenance

- Catalog #RTR 460 Rev Apr 2016 and Robinson R44 Maint Manual RTR 460 Vol I Rev Jun 2014. the Garmin Part 27 STC Install Manual #190-01007-B3 Rev 2 and the Robinson Illustrated Parts Weldment (P/N: D703-10) and Robinson Enclosure Shell Assy (P/N: G704-1) on the pilot side IAW Removed the Garmin GNC420 (P/N: 011-0050506-10; S/N: 97203358) from the center radio stack Installed a Garmin GTN635H (P/N: 011-02255-00; S/N: 1Z7010926) on a new Robinson GPS Support
- is Removed the Comant Ind Antenna (P/N: CI2480-201; S/N: 106667) and installed a Comant COM WAAS Antenna (P/N: CI2480-200; S/N: 575337) in the same location.
- ىد ADS-B Transponder (P/N: 011-03302-00; S/N: 3EG022707) in the same location IAW the Garmin Part circuit breaker, Mode "C" source and GTN635 WAAS position source. 27 STC Install Manual #190-00734-20 Rev 4 under STC #SR02124SE. Connected to the existing Removed the GTX327 Transponder (P/N: 011-00490-00; S/N: 83720677) and installed a new GTX345
- (a) & (c). ADS-B out performance requirements checked in accordance with FAR 91.227 with Mode "C" Correlation and a static system leak check, referencing Part 43, Appendix E, Paragraphs Performed FAR 91.413 transponder tests, referencing Part 43, Appendix F. Performed FAR 91.411
- 6.5 Filed a FAA Form 337 and provided an AFMS and ICA, updated weight and balance as required
- Robinson Maintenance Manual for R44, RTR460 Vol 1 Rev Jun 2014 Antenna (P/N: 146150) in the same locations IAW the Kannad DOC09081E Rev Nov 2015 and the S1851501-02; S/N: LX1100769773) with Remote (P/N: S1820513-11; S/N: TM0000159382) and Removed the Pointer 3000-10 ELT (S/N: 345514) and installed a Kannad Integra 406 ELT (P/N:
- All work was performed with current regulations of the FAA and is approved for return to service. Details are Installed an Appareo Stratus Power (P/N: 153510-000040; S/N: 60601) at the bottom of the radio stack IAW the Appareo Install Manual #600840-000041 Rev 1.0.

561 Pearl Harbor Drive Daytona Aircraft Services, Inc.

on file at this Repair Station under WO #14203

Daytona Beach, Florida 32114

Authorized Signature:

FAA CRS DYTR262K

-END--

4114979	018: David W Cox A&P 4114979	Date signed 12/01/2018:	
	Install New Door Gas Springs C394-1 (2), D575-1 (2)		
	At this time performed the following:	At this time perfor	
DATE: 12/01/2018	MAKE:ROBINSON MODEL: R44 II S/N: 13770 REG NO. 163RK DATE: 12/01/2018 A/C TT: 4451.2 WORK ORDER # 1774	MAKE:ROBINS A/C TT: +451.2	
AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SFRVIC	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AIRCRAFT TIME IN SERVICE	COMPLETION

service.

Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

COMPLETION DATE OF MAKE:RÓBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 4/26/2019 **A/C TT:** 4497.7 WORK ORDER # 1804 AIRCRAFT TIME IN SERVICE DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED WORK PERFORMED/RETURNED TO SERVICE **AGENCY & CERTIFICATE NO.**

At this time performed the following

Performed 100 Hour/Annual Inspection in accordance with Robinson Helicopter Maintenance Manual

- Installed New Air Louver and air filters AA48108-2
- Installed New Hydraulic Filter AN62351A
- ယ Installed New Air filter C771-1
- Installed New Landing Light 4591
- Installed Right Navigation Light Bulb NLI 7512-24
- Installed New Low RPM Warning Horn B320.3

Airworthiness Directives Checked thru 2019-09

Date signed 4/26/2019:

Dominique J. Youakim 3021289 A&P/IA

inspection and is approved for return to service Maintenance Release This certifies that the aircraft listed above was inspected in accordance with an annual

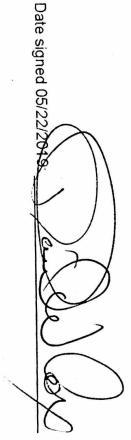
	DATE OF COMPLETION
MAKEROBINSO	AIRCRAFT TIME IN SERVICE
MAKE ROBINSON MODEL: R44 II S/N: 13770 REG NO. 168RK	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED
NO. 168RK DATE: 05/22/2019	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE

A/C TT: 4515.7 WORK ORDER # 1806

At this time performed the following:

Repair Broken Wire on Oil Pressure Sending Unit

Run up and Operational Check Performed.



David W Cox A&P 4114979

service. Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

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1	MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 08/15/2019	E:ROBINSON I	I MAI
			1
AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVIO	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED WORK PERFO	AIRCRAFT TIME IN SERVICE	DATE OF IMPLETION

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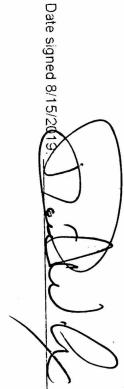
WICE

A/C TT: 4590.1 WORK ORDER # 1826

At this time performed the following:

Install New Concorde RG24-15 Battery

Run Up and Operational Check Performed



David W Cox A&P 4114979

Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation service. Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to

DATE OF AIRCRAFT TIME DESCRIPTION OF WORK PERFORMED WORK PERFORMED/RETURNED TO SERVICE OR APPROVED DATA USED WORK PERFORMED/RETURNED TO SERVICE	and the second s			
AIRCRAFT TIME DESCRIPTION OF WORK PERFORMED WORK PERFO IN SERVICE OR APPROVED DATA USED WORK PERFO				
AIRCRAFT TIME DESCRIPTION OF WORK PERFORMED WORK PERFORM	SERVICE	On AFFROYED DATA COED	IN SERVICE	COMPLETION
AIRCRAFT TIME DESCRIPTION OF WORK PERFORMED	WORK BEREORIES ASTRONES TO CE	OB ADDROVED DATA LISED	AUCINI IIIVI	DAILOF
	AGENCY & CERTIFICATE NO.	DESCRIPTION OF WORK PERFORMED	AIRCRAFT TIME	

DATE

MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 8/21/2019

A/C TT: +600.6 WORK ORDER # 1830

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Ϋ,

At this time performed the following:

- Performed 100 Hour Inspection in accordance with Robinson Helicopter Maintenance
- Ir stalled new AN6235-1A hydraulic filter. Serviced system with additional fluid N anual
- 2 Ir stalled new AN5235-17 3 Ir stall New C771-2 Filter
- Ir spected ELT IAW CFR part 91.207 ELT exp 02-2025

Airworthiness Directives Checked thru 2019-17

David W Cox 4114979 A&P

Date signed 8/23/2019:

Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation service.

. W.

NSPECTION RECORD F.A.R. 43.11-91.409

DATE MAKEROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 11/10/2019 At this time performed the following A/C TT: 1698.7 WORK ORDER # 1850 Airworthiness Directives Checked thru 2019-23 Date signed 11 No 2019 Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation service 0 O A Performed 100 Hour Inspection in accordance with Robinson Helicopter Maintenance Manual Installed new AN6235-1A hydraulic filter. Serviced system with additional fluid Inspected ELT IAW CFR part 91.207 Install Tanis Engine Heat System - TSP6CYL-2927-115 AIRCRAFT TIME Install New Mast Fairing Assy – C261-1 Install New C771-2 Filter Drain & Flush Main Rotor & Tail Rotor Gearbox IN SERVICE SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE ELT exp 02-2025 David W Cox 4114979 A&P KIND OF INSPECTION-STATUS & DISCREPANCY LIST

INSPECTION RECORD F.A.R. 43.11-91.409

AIRCRAFT TIME IN SERVICE KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

DATE

MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 01/06/2020 A/C TT: 4736.7 WORK ORDER # 1860

At this time performed the following:

Remove Heat Control Covers. Remove Excessive Build-up from Heat Control Slide. Install **Heat Control Covers**

Run Up and Operational Check Performed

Date signec 01/06/2830:

David W Cox A&P 4114979

Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation service Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to

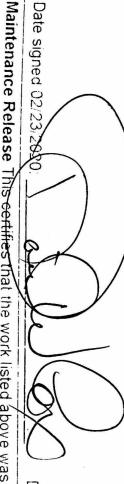
INSPECTION RECORD F.A.R. 43.11-91.409

AIRCRAFT TIME IN SERVICE KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

A/C TT: 4751.4 WORK ORDER # 1865 MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK_DATE: 02/23/2020

At this time performed the following:

Remove Fan Cooling Ring Assy. Install New Fan Cooling Ring – D305-3



David W Cox A&P 4114979

Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

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INSPECTION RECORD F.A.R. 43.11-91.409

NIAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 4/28/2020 A/C TT: 4801.8 WORK ORDER # 1872 **AIRCRAFT TIME** IN SERVICE KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIDCOAFT

<u>"</u>"

At this time performed the following:

- Performed 100 Hour Inspection in accordance with Robinson Helicopter Maintenance
- Installed new AN6235-1A hydraulic filter. Serviced system with additional fluid Install New C771-2 Filter
- CI W 4 D Install New Rods & Spacer On Aft Main Rotor Push Pull Tube D173-1, C115-1
- Install New Teletemp on Tail Rotor Gearbox
- Inspected ELT IAW 14 CFR 91.207 ELT exp 02-2025

Airworthiness Directives Checked

Date signed 4/28/2020

Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

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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 DISAPPROVING AIRCRAFT FOR SERVICE	
1 1 1	MAKE:ROBINSON A/C TT: 4801.8 W	MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 4/28/2020 A/C TT: 4801.8 WORK ORDER # 1872	
1	At this time performed the following:	d the followina:	
١			
1	1. Performed 10 Manual.	Performed 100 Hour/Annual Inspection in accordance with Robinson Helicopter Maintenance Manual.	
1	Airworthiness Directive	Airworthiness Directives Checked thru 2020-09	
l			٠
I			
1			
ľ	1		
1	Date signed 4/28/2020:	Dominique J. Youakim 3021289 IA	
1	Maintenance Delegae	Maintenance Delegate that the aircraft has been inspected in accordance with an Annual Inspection and	
1	determined to be in airworthy condition.		

INSPECTION RECORD F.A.R. 43.11–91.409

DATE MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 06/30/20 A/C TT: 4801.9 AIRCRAFT TIME IN SERVICE WORK ORDER # 1883 SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE KIND OF INSPECTION-STATUS & DISCREPANCY LIST

At this time performed the following

Remove Defective Oil Pressure Switch and Install New Oil Pressure Switch B426-1

Run Up and Operational Check Performed



David W Cox A&P 4114979

service Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

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F.A.R. 43.11-91.409

DATE At this time performed the following A/C TT: 4898.1 WORK ORDER # 1902 MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 8/29/2020 CIW 4 **AIRCRAFT TIME** IN SERVICE Performed 100 Hour Inspection in accordance with Robinson Helicopter Maintenance Inspected ELT IAW 14 CFR 91.207 Install New Teletemp on Tail Rotor Gearbox Install New C771-2 Filter Installed new AN6235-1A hydraulic filter. Serviced system with additional fluid Manual SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE ELT exp 02-2025 KIND OF INSPECTION-STATUS & DISCREPANCY LIST

Airworthiness Directives Checked hru 2020.

Date signed 8/29/2020:

service Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation

David W Cox 4114979 A&P

INSPECTION RECORD F.A.R. 43.11-91.409

21		
DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
	MAKE:ROBINSON	MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 2/09/2021
	Engine SMOH: 692 A	Engine SMOH: 692 A/C TT: 4997.7 WORK ORDER # 1915
	At this time performed the following	the following:
	1. Performed 10	Performed 100 Hour Inspection in accordance with Robinson Helicopter Maintenance
	Manual -Lubricate C1	Manual -Lubricate C181-3 Clutch Actuator Lower Bearing IAW Robinson Helicopter Maintenance
	Manual 1 140 -Perform Clute	Manual 1 140 Perform Clutch Assembly Lubricant Inspection & Serving IAW Robinson Heliconter
	Maintenance Manual 7.210	
	 Installed new AN6235-1, install New C771-2 Filter 	Installed new AN6235-1A hydraulic filter. Serviced system with additional fluid Install New C771-2 Filter
1.		nstall New Halon Fire Extinguisher RTA-400
1.	Install New Er	Install New Engine Cooling Panels D380-3, D380-9
	Install New MF	Install New MRGB Pinion Seal and O-Rings – C966-3, A215-156, A215-029: Serviced
	 Comply with A 	Comply with AD 20-18-08, Install New Air Induction Hose. A785-31 I of# 3020
	8. Remove Uppe Stabilizer	Remove Upper Vertical Stabilizer – Reinstall and Adjust for Sufficient Gap to Horizontal Stabilizer.
	Maintenance Release The Regulations and manufact	Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to
1	service.	Transmission in espectate work perioritied this afficiant is approved for return to

INSPECTION RECORD F.A.R. 43.11-91.409

	AIRCRAFT TIME	KIND OF INSPECTION-STATUS & DISCREPANCY LIST
DATE	E IN SERVICE	SERVICE
, ,	MAKE:ROBINSON Engine SMOH: 692	MAKE:ROBINSON MODEL: R44 II S/N: 11120 REG NO. 163RK DATE: 2/09/2021 Engine SMOH: 692 A/C TT: 4997.7 WORK ORDER # 1915
1		
1	9. SB-96 D602-	SB-96 D602-1 Time Delay Assembly – Not Applicable – Lot 54 Rev D Installed
	S	-7
1	•	B-101 HeliSAS Flight Control Computer – Not Applicable – Equipment Not Installed
1	C016-7 Rev	SD-103 Maiil Rotor Tip Flate Ferrianent Removal & Sealant Application – Not Applicable – ———————————————————————————————————
1	13. SB-104 Air/C	SB-104 Air/Oil Separator Hose - Not Applicable by Serial Number
1	14. SB-105 Alter	SB-105 Alternator Filter Installation – Not Applicable Equipment Not Installed
	15. SB-106 Helio	SB-106 HeliSAS Autopilot Interface with Garmin PFD – Not Applicable Equipment Not
1	16. Inspected El	Inspected ELT IAW 14 CFR 91 207 ELT exp 02-2025
1		
1	Airworthiness Direction	Airworthiness Directives Checked thru 2021-03
7		
7	Date signed 2/09/2021	David W Cox 4114979 A&P
7	Maintenance Release Regulations and manufa	Maintenance Release This certifies that the work listed above was carried out in accordance with Federal Aviation Regulations and manufacturer specifications. In respect the work performed this aircraft is approved for return to
7	00 × CO	

NSPEC. TION RECORD 1-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
	MAKERORING	MAKE ROBINSON MODEL BILLI S/N. 11120 DEC NO 162DK DATE 2/00/2021
	ENGINE SMOH	ENGINE SMOH: 692 A/C TT: 4997.7 WORK ORDER # 1915
	At this time performed the following:	med the following:
	1. Performe	Performed 100 Hour/Annual Inspection in accordance with Robinson Helicopter Maintenance
	Airworthiness Dire	Airworthiness Directives Checked thru 2021-03
	Date signed 2/09/2021:	21: Dominique J. Youakim 3021289 IA

determined to be in airworthy condition.

Maintenance Release I certify that this aircraft has been inspected in accordance with an Annual Inspection and

F.A.R. 43.11-91.409 INDIFECTION RECORD

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

DATE

AIRCRAFT TIME

IN SERVICE

MAINTENANCE, LLC

June 28, 2021 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5087.1 ACTSOH: 781.7 Collective Hobbs: 5087.1

I certify that at this time I have performed a 100-hour inspection per RHC R-44 M/M, section 2.400. 1. Sheave alignment: RH: .095", LH: .115", within limits per section 7.230.

- T/R driveshaft runout fwd. to aft: .003", .004", .003", .004" and .003", .005" within limits per section 7.340.
- 3. Inspected and tested TRGB and MRGB chip detectors per section 1.115. No defects noted. Serviced tail rotor gearbox with oil.
- Inspected/Tested ELT with no defects noted. Battery expires 02/2025.
- 6. Replaced fire extinguisher with new unit. 5. Removed and replaced fire and oil warning light lens with new part.
- 7. AD 2020-08-10 Amendment 39-19902 inspect C029-1 or -2 tail rotor blades due. N/A by installed tail rotor blade part number. No further actions
- 8. All applicable SB's and AD's have been reviewed and/or complied with at this time.
- 9. All RHC interval maintenance has been complied with at this time per Table 1 of section 1.101.
- 10. Performed operational and flight checks on all systems with no defects noted.

l certify that this aircraft has been inspected per a RHC 100-hour inspection, is in airworthy condition, and is approved for return to service. Michael Underwood Mislemore A&P 3100587 IA

SVT AVIATION

Aircraft Total Time: 5087.1 ACTSOH: 781.7 Aircraft Total Time: 5087.1 Collective Hobbs: 5087.1 June 28, 2021 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120

2. Performed operational and leak checks on all systems with no defects noted. 1. I certify that at this time I have performed an ANNUAL inspection on this aircraft per the R44 M/M and 14 CFR Part 43.15 and Part 43 Appendix D.

I certify that this aircraft has been inspected per an ANNUAL inspection, is in airworthy condition, and is approved for return to service.

Michael Underwood Mulan melword A&P 3100587 IA

TORROR OF COME STATES OF THE SECOND S

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October 11, 2021 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5188.5 ACTSOH: 882.8 Collective Hobbs: 5188.5

11

I certify that at this time I have performed a $100 ext{-hour}$ inspection per RHC R-44 M/M, section 2.400

- Sheave alignment: RH: .050", LH: .075", within limits per section 7.230.
- T/R driveshaft runout fwd. to aft: .004", .003", .005", .003" and .004", within limits per section 7.340
- 3. Inspected and tested TRGB and MRGB chip detectors per section 1.115. No defects noted. Serviced tail rotor gearbox with oil.
- 4. Sanded paint, cleaned/removed corrosion. Primed and painted tail rotor. blade leading edges IAW RHC R44 MM Section 9.400.
- 5. Lubricated C181-3 lower bearing IAW 1.110.
- 6. Complied with annual ELT inspection. No defects noted
- Removed and replaced POH. Transferred weight and balance
- 8. Drained, serviced with mineral oil, flushed and replenished main rotor and tail rotor gearboxes IAW RHC R44 MM Section 1.120

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- Removed and replaced all 5 headliners IAW RHC R44 MM 15.400.
- 10. Removed and replaced AFT and forward R/H engine isolator mounts with new parts.
- 11. Removed and reinstalled fan-wheel, fan-shaft, lower bearing, ring gear support and lower sheave to FOM IAW RHC R44 MM Section 6.200
- 12. Balanced fan-wheel to .11 IPS @ 5:40 IAW RHC R44 MM Section 6.240.
- 13. Removed and replaced worn engine L/H isolator mount bushing IAW RHC R44 MM Section 6.120.
- installed and rigged repaired fuel servo IAW RHC R44 MM Section 10.150 and 6.495. Operated helicopter with no defects noted. 14. Fuel mixture actuation was very rough. It was determined the fuel servo was damaged internally. Removed fuel servo and shipped to G&N Aircraft.
- 15. Lower bearing brackets fretting. Removed, cleaned and repaired lower bearing brackets with 2216 epoxy and new rivets. Applied torque stripe IAW
- 16. Balanced fan-wheel to .04 IPS @ 4:30 IAW RHC MM Section 6.240.
- 17. Balanced tail rotor IAW R44 M/M section 6.240. Final balance .10 IPS @ 12.30.
- proper in-flight track. Final balance was .05 IPS @ $3\!:\!15$. Autorotational rpm checked satisfactory. rotor hub towards chord arm .020". Added (2) A255-2 weights to chord arm for proper hover balance. Bent climbing vertical blade trim tab down .015" for 18. Tracked and balanced main rotor IAW RHC R44 MM Section 10.230. Initial balance was .86 IPS @ 4:30. Hover track checked satisfactory. Shifted main

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- 19. Removed and replaced both main rotor blade tip caps with new parts.
- Removed, cleaned and repaired lower bearing brackets with 2216 epoxy and new rivets and re installed. Applied torque stripe IAW R44 SB-94. Installed oil pressure activated Hobbs meter.
- Removed and replaced (2) AGC-3 fuses on vertical firewall.
- All applicable SB's and AD's have been reviewed and/or complied with at this time.
- All RHC interval maintenance has been complied with at this time per Table 1 of section 1.101.
- Performed operational and flight checks on all systems with no defects noted.

I certify that this aircraft has been inspected per a RHC 100-hour inspection, is in airworthy condition, and is approved for return to service.

Michael Underwood

A&P 3100587 IA

F.A.R. 43.11-91.409

AIRCRAFT TIME IN SERVICE

DATE

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

SVT AVIATION

Aircraft Total Time: 5188.5 ACTSOH: 882.8 October 11, 2021 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5188.5 Collective Hobbs: 5188.5

1. I certify that at this time I have performed an ANNUAL inspection on this aircraft per the R44 M/M and 14 CFR Part 43.15 and Part 43 Appendix D.

2. Performed operational and leak checks on all systems with no defects noted.

l certify that this aircraft has been inspected per an ANNUAL inspection, is in airworthy condition, and is approved for return to service.

Michael Underwood

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A&P 3100587 IA

SVT AVIATION

April 1, 2022 Registration: N163RK Aircraft Total Time: 5287.2 Make: Robinson Model: R-44 Raven II S/N: 11120 ACTSOH: 981.5 Collective Hobbs: 5287.2

- 1. I certify that at this time I have performed an **ANNUAL** inspection on this aircraft per the R44 M/M and 14 CFR Part 43.15 and Part 43 Appendix D. 2. Performed functional check and inspection of ELT IAW FAR 91.207D. No defects noted at this time. Battery expires 02/2025. Next inspection due 04/2022
- 3. Performed operational and leak checks on all systems with no defects noted.

I certify that this aircraft has been inspected per an ANNUAL inspection, is in airworthy condition, and is approved for return to service.

Michael Underwood

A&P 3100587 IA

F.A.R. 43.11-91.409 **NSPECTION RECORD**

AIRCRAFT TIME

KIND OF INSPECTION-STATUS & DISCREPANCY LIST



April 1, 2022 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5287.2 ACFTSOH: 981.5 Collective Hobbs: 5287.2

I certify that at this time I have performed a 100-hour inspection per RHC R-44 M/M, section 2.400.

- Sheave alignment: RH: .115", LH: .102", within limits per section 7.230.
 T/R driveshaft runout fwd. to aft: .002", .004", .003", .002", .004" and .002", within limits per section 7.340.

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- Inspected, cleaned and tested TRGB and MRGB chip detectors per section 1.115. No defects noted. Serviced tail rotor gearbox with oil.
- Serviced main rotor gearbox to proper level.
- Tightened air-conditioning compressor belt.
- All applicable SB's and AD's have been reviewed and/or complied with at this time. Complied with annual ELT inspection. No defects noted.
- All RHC interval maintenance has been complied with at this time per Table 1 of section 1.101.
- Performed operational and flight checks on all systems with no defects noted
- I certify that this aircraft has been inspected per a RHC 100-hour inspection, is in airworthy fondition, and is approved for return to service.

Michael Underwood Farmy m <u>L</u> A&P 3100587 IA

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SVT AVIATION

August 10, 2022 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5389.8 ACTSOH: 1084.1 Collective Hobbs: 5389.8

- 2. Performed functional check and inspection of ELT IAW FAR 91.207D. No defects noted at this time. Battery expires 02/2025. Next inspection due 1. I certify that at this time I have performed an ANNUAL inspection on this aircraft per the R44 M/M and 14 CFR Part 43.15 and Part 43 Appendix D.
- 3. Performed operational and leak checks on all systems with no defects noted

10/2023.

I certify that this aircraft has been inspected per an ANNUAL inspection, is in airworthy condition, and is approved for return to service.

/A&P 3100587 IA

Michael Underwood

NUTECTION RECORD F.A.R. 43.11-91.409

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

SVT AVIATION

DATE

AIRCRAFT TIME IN SERVICE

August 10, 2022 Registration: N163RK Make: Robinson Model: R-44 Raven II S/N: 11120 Aircraft Total Time: 5389.8 ACFTSOH: 1084.1 Collective Hobbs: 5389.8

certify that at this time I have performed a 100-hour inspection per RHC R-44 M/M, section 2.400.

1. Sheave alignment: RH: .085", LH: .105", within limits per section 7.230.

- 3. Inspected, cleaned and tested TRGE and MRGB chip detectors per section 1.115. No defects noted. Serviced tail rotor gearbox with oil. T/R driveshaft runout fwd. to aft: .605", .004", .004", .008", .004" and .005", within limits per section 7.340
- 4. Battery passed capacity check @ 99%. Charged and reinstalled battery.
- Removed and replaced hydraulic filter with new part.
- 6. Repaired loose rivets IAW standard aviation maintenance practices. Removed bent tail rotor guard (D079-1, S/N: 9006) and replaced with NEW tail rotor guard (D079-1, S/N: 13197) IAW RHC R44 MM 4.430.
- 8. Sanded paint cleaned/removed corrosion, prime and painted exposed surface on main rotor blade leading edges and ensured all bond lines are covered
- IAW RHC R44 MM Section 28-52. Sanded paint, cleaned/removed corrosion. Primed and painted tail rotor blade leading edges IAW RHC R44 MM 9.400.
- 19. C/W R44 SE-99 by installing KI-264-1.
- 11. Removed and replaced both main rotor pitch links with new parts.
- 12 Tracked and balanced main rotor. No adjustments made. Final balance .09 IPS @ 4:30.
- 13. Complied with annual ELT inspection. Battery expires 04/2025. No defects noted.
- 14. All applicable SB's and AD's have been reviewed and/or complied with at this time.
- All RHC interval maintenance has been complied with at this time per Table 1 of section 1.101.
- Performed operational and flight checks on all systems with no defects noted

I certify that this aircraft has been inspected per a RHC 100-hour inspection, is in airworthy condition, and is approved for return to service. A&P 3100587 IA

Michael Underwood

INSPECTION RECORD F.A.R. 43.11-91.409

wo: WO_20	DATE AIRCRAFT TIME IN SERVICE
	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
Airframe : page 1 of 1	DISCREPANCY LIST DISAPPROVING AIRCRAFT FOR SERVICE

Viking Aviation Maintenance · 1642 Entrance Dr · New Braunfels, TX 78130 · 9105467328 April 20, 2023

ACTT: 5466.4 **N163RK** Robinson, R44 Raven II, S/N: 11120
Coll_ Hobbs: 5466.4 Engine TT: 0.0

break-in procedure IAW Lycoming MM. Performed operational flight with no discrepancies. Removed engine PN:IO-540-AE1A5 SN:L-30194-48A and installed engine PN:IO-540-AE1A5 SN:L31601-48A. Performed

I certify that this airframe has been inspected per approved maintenance publications, it is in airworthy condition, and is approved for return to service IAW CFR Far part 43. Details of work performed are on file with Viking Aviation Maintenance under work order: WO_20.

Michael Chaloupka AP/IA 3607269

INSPECTION RECORD F.A.R. 43.11-91.409

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	•		Cilael Cilaioupha Ar	Mishool Oboloupko AB/IA 3607969	ertify that this airfrandition, and is approving the Aviation Ma	 Fire extinguisher weight Performed AD/SB audit. 		1. Complied with air	N163RK Collective Hobbs: 5488.2	Viking Avia	wo: WO_42	AIRCRAFT TIME IN SERVICE	
				3607969	I certify that this airframe has been inspected per approved maintenance publications, it is in all condition, and is approved for return to service IAW CFR Far part 43. Details of work performed are on file with Viking Aviation Maintenance under work order: WO_42.	Performed AD/SB audit.	TRDS Runout measured. #1003, #2006, #3010, #4007. Sheave alignment measured LH069 RH048. Measurement is within limits IAW RHC MM.	Complied with airframe 100 hour inspection IAW RHC MM.		Viking Aviation Maintenance · 1740 Entrance Dr · New Braunfels, TX 78130 · 9105467328		SIGNATURE —	F.A.D. 5
			A STATE		e IAW CFR Far part 4 order: WO_42.		006, #3010, #4007 RH048. Measuremer	ction IAW RHC MM.	Robinson, R44 Raven II, S/N: 11120	Entrance Dr · New Brau		KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	.A.n. 43.11-91.409
					3. Details of work per		nt is within limits IAW I		20	ınfels, TX 78130 · 91054	Ai	STATUS & DISCREPANCY LIST OVING OR DISAPPROVING AIRO	
					formed are on file	÷ is a single-thy	RHC MM.		May 23, 2023	67328	Airframe · page 1 of 1	CRAFT FOR SERVICE	

INSPECTION RECURD F.A.R. 43.11-91.409

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

AIRCRAFT TIME
IN SERVICE

VIKING AVIATION MAINTENANCE LLC.



14Jun23 Registration N163RK Make: Robinson Model: R44 RII SN: 11120 Coll. Hobbs:5590.1

Performed 100 Hour Airframe Inspection IAW RHC R44 M/M, section 2.400.

- Sheave alignment: RH .075", LH .0110 AV .092 within IAW R22 RHC M/M section 7.230
- Clutch shaft angle 4.2 degrees, within limits per section 7.230
- 4 T/R driveshaft runout fwd to aft: .004", .009", .005", .002, 009, .006" within limits per section 7.340
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- 6 All RHC interval maintenance has been complied with at this time per R44 M/M 2.30.
- All applicable AD's have been reviewed and/or complied with at this time.
- Performed operational and leak checks on all systems with no defects noted

I certify that this Aircraft has been inspected per RHC 100 Hour inspection, is in airworthy condition and is approved for return to service.

3607269APIA

Michael Chaloupka

14Jun23 Registration N163RK Make: Robinson Model: R44 RII SN: 11120 Coll. Hobbs:5590.1

Performed Annual Inspection IAW RHC R44 M/M and 14 CFR Part 43.15 Appendix D

Michael Chaloupka_

360ZZ69AP/TH

INSPECTION RECORD

SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST	F.A.R. 43.11-91.409
CRAFT FOR SERVICE		

AIRCRAFT TIME IN SERVICE

VIKING AVIATION MAINTENANCE LLC.



14Jun23 Registration N163RK Make: Robinson Model: R44 RII SN: 11120 Coll. Hobbs:5590.1

formed Maintenance Flight IAW R44 RHC M/M section 2.400, and 14 CFR Part 91.407.

ertify that this Aircraft has been inspected per RHC Ground/Run-Up/Flight check inspection, is in airworthy condition and is approved for

turn to service. Flight check required for operational release. Completed flight per R44 M/M section 2.200. All operational checks satisfactory. No defects noted. Michael Chaloupka_ New 1 6 Merch 2024, 5612, 6 ACT 101 book 3607269APIA