

C-66CX
R44
R.II

AIRCRAFT TECHNICAL LOGS

Section 1. AIRFRAME

AIRCRAFT

1. Nationality and Registration CANADIAN C-GGCL
2. Manufacturer's Designation ROBINSON R44 II
3. Manufacturer's Serial Number 12391
4. Type Approval or Specification Number H-97
5. Date of Manufacture SEP 06/2008
6. Aircraft Inspection Cycle 100 HOUR/ANNUAL.

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			4	9	TOTAL BROUGHT FORWARD FROM US LOGS AND
SEP 16/08	2	9	7	8	
SEP 17/08	5	8	13	6	
SEP 18/08	3	0	16	6	

September 19, 2008 – R44 Raven II, S/N 12391, C-GGCX, TAFT 16.6 Hours.
 Aircraft delivered with FAA Export C of A No. E444409 via ferry flight from Robinson Helicopter Company for Importation Inspection at Madonna Helicopters Ltd. on W/O 42032.
 Aircraft historical records researched for importation, and an inspection carried out IAW CAR 507.07 Part (1) thru (5), and found to comply with TC TCDS H-97 Issue 6.
 New Canadian Logs opened and the current airframe and engine times were transcribed from previous US aircraft logs.
 All Dynamic Components were inspected as required IAW RHC R44 MM
 Refer to Aircraft Status Report for a detailed listing of Life Limited items and installed Airframe and Engine Components.
 All applicable Canadian, FAA, and Misc. Appliance Airworthiness Directives have been complied with to this date.
 A detailed listing of AD, SB compliance are recorded in the Aircraft Technical Logs
 Previously installed Canadian Registration Marks C-GGCX inspected for conformity to CAR 202.
 29/50 Hour Airframe Insp. C/W IAW RHC R44 MM
 10/25/50 Hour Engine Insp. C/W IAW Lycoming IO-540 Series Ops Manual
 SI-1080C Maintenance Items for Special Insp. C/W
 Exit decals and external ELT placard installed
 Braidner First Aid Kit Type "A" AOSH installed new.
 Engine oil replaced – 9 litres of Phillips 20W-50M mineral oil installed.
 Engine oil filter replaced P/N CH48108-1 installed new
 M/R & T/R Transmissions drained flushed with mineral oil and replenished with A257-2 oil
 Ground run & leak check C/W
 Weight & Balance and Equipment list amended EWCG 1554.20 lbs @ 106.74" longitudinal, -0.08" lateral.

September 26, 2008, – R44 Raven II, S/N 12391, C-GGCX, TAFT 16.6 Hours.
 The following work carried out on Madonna Helicopters Ltd. WO# 42032.
 Dart Cabin Floor Protectors Kit P/N D044-719-011 installed IAW STC SH04-40 installation instructions IIN-D044-719 Rev A. dated 04.06.10
 Dart Cold Weather Baffle Kit P/N D044-717-011 installed IAW STC SH05-7 installation instructions IIN-D044-717 Rev B., dated 05.01.25
 Tanis Heater Kit P/N TAS100S-07SP2, S/N 41996 installed IAW Tanis Aircraft Services installation instructions #102
 Throttle correlation adjusted IAW RHC R44 MM sec. 10.150.
 Weight & Balance amendment # 2 in effect – EWCG 1561.36 lbs @ 106.54" Longitudinal, -0.10" Lateral.

8 OCT 08 1 7 18 3

October 9, 2008 – R44 Raven II, S/N 12391, C-GGCX, TAFT 18.3 Hours.
 The following work carried out on Madonna Helicopters Ltd. WO# 42044.
 Dart Cargo Mirror Kit P/N D044-715-011 installed IAW STC SH04-17 installation instructions IIN-D044-715 Rev A., dated 04.01.20
 Weight & Balance amendment # 3 in effect – EWCG 1562.50 lbs @ 106.49" Longitudinal, -0.06" Lateral.

Feb 13/09 Coho Helicopter Overhaul Ltd. WO# 3078

A/C C-GGCX TAFH: 34.7 S/N 12391

Oil change carried out as per SB480E. Filter replaced and checked. Oil refilled with Phillips 20W-50M mineral oil. A/c run-up and checked for leaks.

The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93

Signed: *[Signature]* 14220239

CARRI FOR WRR D

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

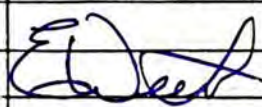
SIGNATURE

LICENCE
NUMBER

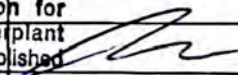
VERIFIED AGAINST COLLECTIVE HOBBS METER

4021P

The described maintenance has been performed in accordance with the applicable Airworthiness requirements




I have conducted an inspection for conformance to the Flight/Powerplant Controls affected by the work accomplished

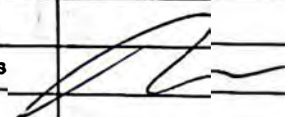



The described maintenance has been performed in accordance with the applicable Airworthiness requirements

I have conducted an inspection for conformance to the Flight/Powerplant Controls affected by the work accomplished




The described maintenance has been performed in accordance with the applicable Airworthiness requirements




AIR TIME AND

ENGINEERING RECORD
NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETION

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD			39	0	
9 JUN 09			39	0	WO# 6039 50HR INSPECTION NO FAULT SB480E c/w NO FAULTS. NO FAULTS AD 2009-02-03 SERVO HEAT MUFF c/w NO FAULTS BELT THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS, A.M.O. 200-93 TRANSCRIBED BY P RUDOLPHSON 12 9991

Oct 24/09 Coho Helicopter Overhaul Ltd. WO# 3172
 A/C C-GGCX TAFH: 43.7 S/N 12391

50 & 100hour inspections carried out as per Robinson and Lycoming manuals.
 AD CF90-03R2 c/w muff heater no defects. SI 1080B c/w engine maintenance no defects.
 SB480E c/w oil system maintenance no defects. TCM SB658 c/w distributor maintenance no defects. TCM SB 636 c/w ignition switch no defects. TCM SB 643 c/w mag inspection no defects. TCM SB653 c/w hot mag test no defects. SB528 c/w mag maintenance no defects. SB515 c/w mag maintenance no defects. SB 342E c/w fuel injection lines no defects.
 AD 2008-14-07 c/w fuel injection lines no defects. AD 2007-26-12 part a c/w main rotor blades no defects. SL 33 c/w clutch noise no defects. A/c run-up and checked for leaks.
 SB 68 c/w fuel line mod. SB 69 c/w gascolator fittings upgraded.
 SB 70 c/w CO2 detector n/a by already installed. SB 71 c/w throttle link replacement.
 ELT recertified by Sebrot WO#3197 then re-installed. Annual first aid kit inspection carried out. Annual fire extinguisher inspection carried out. Fire extinguisher relocated to within pilots reach. Weight and balance now on W & B ammendment #4 EW 1562.5 @ 106.52 -0.07 lateral.
 Compass swing carried out. A/c run up and checked for leaks. No defects noted.

FOR	000	030	060	090	120	150	180	210	240	270	300	330
STEER	358	029	058	091	122	149	180	211	241	272	301	332

The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93
 Signed: *[Signature]* 1220239

I have conducted an inspection for conformance to the type of powerplant/airframe controls that were affected by the work accomplished.
 Signed: *[Signature]*

Date: 24 June, 2010 A/C Registration: C-GGCX W/O: 2020
 Altimeter, (pn. 5934P-3 sn. 465121 max F.L.200) and pitot static system tested SVC IAW CAR standard 571 App. B / CAR 625 App. C section 13.
 ATC transponder system test and mode 'c' / altimeter correlation carried out SVC IAW CAR 571 App. F / CAR 625 App. C section 14.
 The maintenance described above has been carried out in accordance with the applicable standards of airworthiness. Data on file.

Signature: *[Signature]* License# 790504 Date: 24 June, 2010

AMO# 128-92 Kittyhawk Maintenance Centre Ltd. Penticton B.C.

CARRIED FORWARD

ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT

PLEASE DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

COMPLETED. 511080B ENG MAINT c/w
AD 2008-14-07 FUEL INJECTION LINES c/w
PLUG C/W G. FOUND ON PLUG-ADCF90-03R2
TIMING ADJUSTED 3 TURNS

✓ GARBOWSKI M220239 AMO 200-93

Feb 19/10 Coho Helicopter Overhaul Ltd. WO# 3215
A/C C-GGCX TAFH: 62.4 S/N 12391

4 month oil change carried out as per Lycoming manuals. SB480E carried out oil system maintenance no defects. Throttle correlation adjusted as per Robinson maintenance manual. A/c run-up and checked for leaks. No defects.

I have conducted an inspection for conformance to the type of powerplant/airframe controls that were affected by the work accomplished. Signed: *[Signature]* CH908721

The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93 Signed: *[Signature]* M220239

MISSSED ENTRY
FROM J. LOG
BY COHO

APR. 4/13
[Signature] CH477115

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		BROUGHT FORWARD
	HRS.	MIN.	HRS.	MIN.	
			86	.7	
12 July 10	GGCK	86.7	50 HR	ENG INSP	c/w Nofaults Found.
	LTC 51	1080C	ENG MAINT	c/w Nofaults	LTC SB 480E
				OIL + FILTER CHANGE	c/w Nofaults AD 2007-26-12 PTA M/R Blades
					c/w Nofaults AD 2008-14-07 PRK. FUEL INS. RINES R/W
				Nofaults ROBINSON SB	72 M/R BLADES Nofaults c/w (Repetative)
			"	"	73 BATT BYPASS c/w Nofaults Pres. INSTALL
			"	"	74 M/R SB PORE c/w Nofaults
			"	"	75 POOR HINGES c/w Nofaults
			"	"	76 A/C COND. upgrade c/w Nofaults
			"	"	77 Clutch wires c/w Nofaults
			"	5L 33	Clutch NOISE c/w Nofaults (Repetative)
				A/C Ground Run + LEAK	Checked.
				C640 W.O. 6068	

THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS. A.M.O. 200-93

Paul H. 129991

21 October 2010

C-GGCX Robinson R-44

Installed Precise Flight PulseLite system in accordance with STC SA00701SE. 1220/2410-2 controller is mounted immediately behind the Landing and Taxi lights and programmed to flash the lights alternately at 45 flashes per minute. The control switch is located in the original location of the Landing Light switch on the cyclic column. The switch now operates up for steady landing lights and down for pulse. Center is off. A new 7277-2-3 circuit breaker is installed on the circuit breaker panel and labelled "Pulse Light".
 Weight and balance amendment completed. Electrical load is unchanged.
 All work done in accordance with applicable standards of airworthiness. Reference Sebrot Aviation Services Ltd work order 3419

Murray D. Forbes Insp 001 A.M.O 84-00

For	N	30	60	E	120	150
Steer	358	28	59	91	122	150
For	180	210	240	W	300	330
Steer	179	212	241	273	301	332
Date 26 Oct 10						
Signature: <i>[Signature]</i> M220239						

CARRIED FORWARD

AIR TIME AND

ENGINEERING RECORD

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL.

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.	
	HRS.	MIN.	HRS.	MIN.
BROUGHT FORWARD			155	.5 HRS A/F + ENB.
15 MAR 11	Coho W.O. 6107 SI 1080C c/w TENG MAINT No faults SB480E ENG OIL SYST MAINT c/w No faults (ENG OIL changed & FILTERS changed & cleaned.) A/C GRND Run LEAK Checks. Completed No faults			
				THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN AC- CORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS. A.M.O. 200-93 <i>Paul H. 129991</i>

May 24/11 Coho Helicopter Overhaul Ltd. WO# 3379

A/C C-GGCX TAFH: 177.0 S/N 12391

50 hour inspection carried out as per Lycoming manuals.

SI 1080B c/w engine maintenance no defects.

SB480E c/w oil system maintenance no defects.

SB 342E c/w fuel injection lines no defects.

AD 2008-14-07 c/w fuel injection lines no defects.

A/c run up and checked for leaks. No defects noted.

The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93 Signed: *Paul H. 1220239*

10 APR 12	Coho W.O. 6201 242.3 HRS TSN ENG. OIL & FILTER CHANGED AS PER LYC. HANDBOOK SI 1080C ENG. MAINT. c/w No faults. SB 480E OIL & FILTER CHANGE c/w No faults A/C GRND Run FOR LEAKS. No faults.			
				THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN AC- CORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS. A.M.O. 200-93 <i>Paul H. 129991</i>

15 APR 12	1	1	243	4
18 APR 12				CHANGED REGISTRATION TO C-GGLA

2 May 2012 C-GGLA Robinson R-44 AFTT 2434
 Programmed GTX330 Transponder with HEX code C0559F for new registration.
 Reprogrammed Kennad AF-406 ELT 2619658-0017 with HEX code C0559F for new registration.
 All work done in accordance with applicable standards of airworthiness. Reference Sabot Aviation Services Ltd work order 3733
Paul H. 129991 ACA 001 A.M.O. 24-00
 Murray B. Forbes

			243	4	CARRIED FORWARD
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ENGINEERING RECORD

INSPECTION, REPAIRS & REPLACEMENT
 TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE NUMBER

16 JUNE 11 186.0 HRS A/F ENG. COHO WO. 6135 OVERSPEED DETERMINED TO BE 4.7% USING ROBINSON METHOD. M/R SPINDLES INSPECTED FOR BRINNELING NO FAULTS. ENG. CYLINDERS BARRI SCORED NO FAULTS. VALVE TRAIN EXAMINED NO FAULTS. ENG OIL DRAINED & FILTERS EXAMINED NO FAULTS. TACH MAG REMOVED & TACH PTF. CHANGED. LSB 663 ACCOMPLISHED USING O.A. ENG. TESTER & GAPPED TO .016". A/C GRAND RUN + MAG + LEAK CHECKS C/W + FUNCTION OF GOV. C/W NO FAULTS

THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS. A.M.O. 200-93

Paul K. 129991

DATE	TYPE	FLIGHT HOURS	TIME	FLIGHT TIME	TOTAL OF THE DATE
TOTAL BROUGHT FORWARD					
16 June 11	AT COHO	186.0	06:15	1:3	186.0
19 June 11	CTF	14.35	14:45	2.7	190.6
20 June 11	CTF	16.45	14:24	1.4	192.0
21 June 11	CTF	15.15	12:50	1.4	193.8
22 June 11	CTF	17.10	12:50	1.4	195.7
JUN 30 11 A/C GGCX TAFH 195.7 S/N 12391 195.7					

Nov 15/11 Coho Helicopter Overhaul Ltd. WO# 3449
 A/C C-GGCX TAFH: 221.4 S/N 12391

50 & 100 hour inspections carried out as per Lycoming IO540 operators manuals.
 100 hr/annual airframe inspection carried out as per Robinson R-44 manuals.
 AD CF90-03R2 c/w muff heater no defects. SI 1080C c/w engine maintenance no defects.
 SB480E c/w oil system maintenance no defects. TCM SB658 c/w distributor maintenance no defects. TCM SB 636 c/w ignition switch no defects. TCM SB 643 c/w mag inspection no defects. TCM SB653 c/w hot mag test no defects. SB528 c/w mag maintenance no defects. SB515 c/w mag maintenance no defects. SB 342E c/w fuel injection lines no defects. AD 2008-14-07 c/w fuel injection lines no defects. AD 2011-12-10 part a c/w main rotor blades no defects. SL 33 c/w clutch noise no defects. Robinson SB 72 c/w main rotor blades no defects. ELT recertified by Sebrot WO# 3621 then re-installed and tested. Annual first aid kit inspection carried out. Annual fire extinguisher inspection carried out. Annual dart cargo mirror inspection carried out no defects. Starter ring gear p/n AEL72566 replaced due to teeth damage. Starter p/n p/n BC315-100-4 s/n 0308240343 repaired by Flyrite WO# 4440 then re-installed. Annual chip plug cleaning carried out no defects. Compass swing carried out. All other work as per Coho WO#3449. Fan balanced to within limits. A/c run-up and checked for leaks. No defects. I have conducted and inspection for conformance to the type of power plant/airframe controls that were affected by the work accomplished. Signed: *Paul K. 129991*
 The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93 Signed: *Paul K. 1220239*

↑

MISSED ENTRY
 From J. Log By
 COHO
 APR 4/13 CH 477115 *C. O. Q.*

MISSED ENTRY
 From J. Log
 BY COHO
 APR. 04/13
C. O. Q. CH 477115

Jun 30/11 Coho Helicopter Overhaul Ltd. WO# 3395
 A/C C-GGCX TAFH: 195.7 S/N 12391
 Robinson SB 72 c/w main rotor blades no defects.
 AD 2011-12-10 part C c/w main rotor blades no defects.
 The maintenance described has been performed in accordance with the applicable standards of airworthiness. AMO 200-93 Signed: *Paul K. 1220239*

AIR TIME AND

DATE	DAILY TOTAL		TOTAL AIR TIME SINCE MFG.		ENGINEERING RECORD NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL.
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	—		243	4	
6 MAY 12	2	0	245	4	
13 MAY 12	2	4	247	8	
27 MAY 12	1	2	249	0	

4 July 12 CONO W.O. 6224 299.0 HRS M/F + ENG.

ROBINSON SB 82 ROTOR BRAKE SW CHANGE C/W TESTED
 NO FAULTS DO 49-4 HARNESS ASSY MAD 21182. ROBINSON
 SL 43 C/W PARTIAL TUBE NO CORROSION FOUND.
 ROBINSON SB-83 TIE BLADES C/W POH AMENDED NO FAULTS.
 ROBINSON SB-84 FUEL CAPS C/W NO FAULTS. ROBINSON
 SL 42 START CIRCUIT M/A DUE TO SN ROBINSON SB-21
 M/R SEAVOS M/A DUE TO DATE OF MANUFACTURE + HISTORY
 AD 2012-03-06 AVSTAR PARTS M/A DUE PRECISION INSTALLED
 + NO HISTORY OF REPAIR.

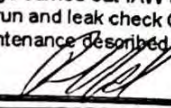
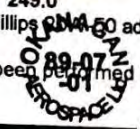
THE MAINTENANCE DESCRIBED HAS BEEN PERFORMED IN
 ACCORDANCE WITH THE APPLICABLE STANDARDS OF AIRWORTHINESS

Paul Pt. 129991

30 July 2012 C-GGLA Robinson R-44 AFTT 249.0
 Removed 5934P-3 Altimeter s/n 465121 and calibrated to 20,000 feet in accordance with TM5934 and Car 571 App B par
 b. Reinstalled in aircraft.
 Performed pitot-static leak check in accordance with CAR 571 App b. Pitot leak 0.6 kpm Static leak 43 fpm.
 Recertified GTX330 Transponder s/n 84130633 in accordance with CAR 571 App F.
 Altimeter/transponder/encoder correlation complied to 20,000 feet in accordance with CAR 571 App F.
 All work done in accordance with applicable standards of airworthiness. Reference Sebprof Aviation Services Ltd work
 order 3796

Murray D. Forbes ACA 001 A.M.O 84-00

REG C-GGLA DATE SEPT 14/12 TTAF 249.0 WO#120914GGLA
 Oil change carried out IAW SB 480E Phillips 20W-50 added. Filter changed and new CH 48108-1 filter installed. Old filter inspected no defects found.
 Ground run and leak check C/O
 The maintenance described above has been performed IAW the applicable standards of airworthiness by Okanagan Aerospace Ltd Approval #89-07

Signed  ACA#  Date Sept 14/12

14 SEP 12	0	3	249	3
15 SEP 12	2	6	251	6
19 NOV 12	2	2	254	1
19 NOV 12	3	0	257	1
			257	1

CARRIED FORWARD