

**ENGINE LOG
EF5-1**

LOC: 0568 P/N: 13-32390
AERO PROD EF5-1 ENG LOG RED +
153920233 PO: 573985 : 10-19057
BK _____

Engine Log

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R44 Engine Accessories Installed

Description	Part Number	Serial Number
Engine	IO-540-AE1A5	L-30450-48A
Magneto	BL-600646-201	E20BA198R
Magneto	BL-600619-3	E20AA139R
Starter	BC315-100-4	0514240505
Alternator	ALU-8521	H-5103116
Fuel Servo	RSA-10AD1	720D0P01
Oil Cooler	C649-3	5538
Oil Cooler	C649-2	2325
AC Cond	D783-1	5519430
AC Comp	S5073	1223801980

[illegible]

ENTS

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN 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 Robinson service bulletins complied with through SB 104. Applicable AD's complied with through biweekly issue # 2020-17 during overhaul and Annual inspection by Sevier County choppers under WO# 001821 dated Aug 19, 2020. Authorized Signature Tommy Garst AP						
SB450	oil & filter	3-21-20	changed	RECUR	44516/4mo	104-355293
SB480F	OIL & FILTER	4401.6	CHANGED	RECUR	1539	
AD.	FUEL LINES	5-MAY-21	OIL & FILTER	RECUR	200.0	
2015-19-07	OIL & FILTER	103.9	INSPECTION	RECUR	235.45	
SB480F	FUEL LINES	5-MAY-21	INSPECTION	RECUR	235.45	
AD.	FUEL LINES	103.9	INSPECTION	RECUR	235.45	
2015-19-07	FUEL LINES	103.9	INSPECTION	RECUR	235.45	

RECORD

INSPECTION & MAINTENANCE RECORD

AUTHORIZED SIGNATURE
CERTIFICATE NO.

TRIAD AVIATION, Inc. certifies that this engine has been disassembled, inspected, and overhauled to manufacturer's overhaul manual new limits. Engine tested in accordance with recommended procedures and is approved for return to service. All applicable A.D. Notes are complied with at the time of overhaul. Pertinent details of this work are on file at this repair station under work order # 25547

DATE 06/16/2020MAKE LycomingMODEL IO-540-AE1A5S/N L-30450-48AENGINE TOTAL TIME 4397.6TSMOH 0.0TBO 2200
TRIAD
AVIATION

Triad Aviation, Inc.
 Burlington Municipal Airport
 Burlington, NC 27215

Authorized Signature

06/16/2020

Date

Test ran Lycoming IO-540-AE1A5 engine serial number L-30450-48A for 2 hours 15 minutes, RPM 2800, oil pressure 80 lbs, oil temperature 181 degrees, CHT 325. Magneto check at 2100 RPM, L 125 RPM, R 125 RPM. Compression test cylinder #1 77/80 #2 78/80 #3 77/80 #4 79/80 #5 78/80 #6 78/80. This engine and/or component is approved for return to service. All pertinent details on file this repair station: TRIAD AVIATION, INC. FAA REPAIR STATION #PP4R448M. wo# 25547

Signed: [Signature] Date: 06/16/2020

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make/Model: R44 Raven II
 Serial No: 10884
 Hobbs: 0.0
 ACTT: 4397.6
 ACTSO: 0.0

Reg No: N544SC
 Date: 8-19-2020
 WO#: 001821
 EngTT: 4397.6
 EngTSO: 0.0



Description of Work Performed

Installed overhauled engine PN 10-540-AE1A5 SN L-30450-48A (see Triad Aviation Inc WO#25547 dated 6/16/20) onto RHC R44 II SN: 10884. Performed a 100 hour/Annual inspection IAW Far 43 App D ref RHC R44 MM section 2.400 applicable engine inspections. CW Lycoming SI 1129D alternator belt tension. CW Lycoming SB480F oil system service. Serviced with 9 quarts Aeroshell 100 mineral oil. Installed new oil filter. Removed, inspected, cleaned, and re-installed oil sump screen. Inspected, cleaned, and re-installed fuel screens. CW Lycoming SI 1191A compression checks. CW Lycoming SI 1080C items for special attention. Lycoming SB 388C will be due at 100 TSO. CW AD 15-19-07 external fuel line and clamp inspection, results good. Ground run and leak check good.

I certify this engine has been inspected IAW a 100 hour/ Annual inspection and determined to be in airworthy condition.

Tommy Garst AP

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make/Model: R44 Raven II
 Serial No: 10884
 Hobbs: 4.0
 EngTT: 4401.6

Reg No: N544SC
 Date: 8-21-2020
 WO#: 001821
 EngTSO: 4.0

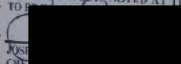


Description of Work Performed

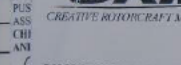
Drained engine oil due with in first 5 hours of operation and serviced with 9 quarts of Aeroshell W100 straight mineral oil. Removed and replaced engine oil filter. Work performed ref Lycoming SB480F. Aircraft approved for return to service. Work done by Sevier County Choppers under above work order.

Tommy Garst AP

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		CRM CREATIVE ROTORCRAFT MAINTENANCE N544SC R44 RAVEN II S/N 10884 5 MAY 2021 LYCOMING ENG: 10-540-AE1A5 S/N L-30450-48A ACTSO: 103.09 ACTT: 4500.69 HOBBS: 103.09 PERFORMED A FIRST 50/100/300 HR INSPECTION IN REFERENCE WITH LYCOMING OPERATORS MANUAL SECTION 4 AND SI 1080A AND RUC MM ENGINE CHECKLIST. DRAINED OIL AND CHANGED FILTER WITH NEW AS REQUIRED. REMOVED AND CLEANED OIL SUCTION SCREEN. SERVICED WITH 8 QTS OF AEROSHELL OIL 100W PLUS. REMOVED, CLEANED, TESTED AND REINSTALLED ALL 12 SPARK PLUGS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 77/80, #3 78/80, #4 77/80 #5 78/80 AND #6 78/80 PER S.I.1191. VERIFIED MAGNETO TIMING AND FOUND TO BE WITHIN LIMITS. #1 79/80, #2 77/80, #3 78/80, #4 77/80 #5 78/80 AS APPLICABLE. ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. COMPLIED WITH SB388C READINGS ARE AS FOLLOWS #1 .021", #2 .020", #3 .022", #4 .016, #5 .025", AND #6 .021" REAMED #4 TO OBTAIN FINAL READINGS OF .020" ALL FOUND TO BE WITHIN LIMITS AT THIS TIME OF INSPECTION. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES OF VISUAL INSPECTION "NO DEFECTS NOTED" (NID AT 200.0HRS CUSTOMER OVERFLY) AND NO PERFORMED OPERATIONAL AND LEAK CHECKS, ALONG WITH REQUIRED FLIGHT CHECKS ON ALL SYSTEMS. WITH NO DEFECTS NOTED AT THIS TIME. I CERTIFY THAT I HAVE PERFORMED A 50/100HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. END  ERIC RODRIGUEZ CREATIVE ROTORCRAFT MAINTENANCE LLC, HUNGAR B110 # [REDACTED] 710

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		CRM CREATIVE ROTORCRAFT MAINTENANCE N544SC R44 RAVEN II S/N 10884 9 SEP 2021 LYCOMING ENG: 10-540-AE1A5 S/N L-30450-48A ETSO: 185.45 HOBBS: 185.45 ETT: 4583.05 PERFORMED A 50/100 HR INSPECTION IN REFERENCE WITH LYCOMING OPERATORS MANUAL SECTION 4 AND SI 1080A AND RUC MM ENGINE CHECKLIST. DRAINED OIL AND CHANGED FILTER WITH NEW AS REQUIRED. REMOVED AND CLEANED OIL SUCTION SCREEN. SERVICED WITH 8 QTS OF AEROSHELL OIL 100W PLUS. REMOVED, CLEANED, TESTED AND REINSTALLED ALL 12 SPARK PLUGS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 78/80, #3 77/80, #4 78/80 #5 79/80 AND #6 78/80 PER S.I.1191. VERIFIED MAGNETO TIMING TO BE WITHIN LIMITS. IAW TCM SB'S 643A AS APPLICABLE. ALTERNATOR BELT TENSION TO BE WITHIN LIMITS. REAMED #4 TO OBTAIN FINAL READINGS OF .020" ALL FOUND TO BE WITHIN LIMITS AT THIS TIME OF INSPECTION. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES OF VISUAL INSPECTION "NO DEFECTS NOTED" (NID AT 200.0HRS CUSTOMER OVERFLY) AND NO PERFORMED OPERATIONAL AND LEAK CHECKS, ALONG WITH REQUIRED FLIGHT CHECKS ON ALL SYSTEMS. WITH NO DEFECTS NOTED AT THIS TIME. I CERTIFY THAT I HAVE PERFORMED A 50/100HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. END  ERIC RODRIGUEZ CREATIVE ROTORCRAFT MAINTENANCE LLC, HUNGAR B110 # [REDACTED] 710

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		
CREATIVE ROTORCRAFT MAINTENANCE		
N544SC R44 RAVEN II S/N 10884 9 SEP 2021		
LYCOMING ENG: IO-540-AE1A5 S/N L-30450-48A ETSO: 185.45 HOBBS: 185.45 ETT: 4583.05		
PERFORMED A 50/100 HR INSPECTION IN REFERENCE WITH LYCOMING OPERATORS MANUAL SECTION 4 AND SI 1080A AND RHC MM ENGINE CHECKLIST. DRAINED OIL AND CHANGED FILTER WITH NEW AS REQUIRED. REMOVED AND CLEANED OIL SUCTION SCREEN SERVICED WITH 8 QTS OF AEROSHELL OIL 100W PLUS. REMOVED, CLEANED, TESTED AND REINSTALLED ALL 12 SPARK PLUGS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 78/80, #3 77/80, #4 78/80 #5 79/80, AND #6 78/80 PER SI 1191. VERIFIED MAGNETO TIMING TO BE WITHIN LIMITS. LAW TCM SB'S 643A AS APPLICABLE. ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES OF VISUAL INSPECTION. NO DEFECTS NOTED. REMOVED AND REPLACED PUSH ROD TUBE SEAL ON CYL#4 WITH NEW P/N 08-00293 AND ROCKER PIN COVER GASKET P/N 07-03045 USING LOM AND SB 388 FOR ASSEMBLY REFERENCE. (NID AT 28545 HRS) PERFORMED OPERATIONAL AND LEAK CHECKS, ALONG WITH REQUIRED FLIGHT CHECKS ON ALL SYSTEMS, WITH NO DEFECTS NOTED AT THIS TIME. I CERTIFY THAT I HAVE PERFORMED A 50/100HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME.--END--		
JOSE RODRIGUEZ CREATIVE ROTORCRAFT MAINTENANCE LLC AVE. CHINO CA 91710 HANGAR B110 MC		

INSPECTION & MAINTENANCE RECORD		
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		
Glendale, AZ 85307		
Engine Log 26 August, 2021 N: N544SC TACH: 182.25 AFIT: 4579.85 TSMOH: 210.39 Started Engine annual inspection. In accordance with Robinson Helicopter Maintenance Manual section 2.400 (dated OCT2006) and CFR 43, Appd. (D), performed compression check #1)72 #2)75 #3)70 #4)72 #5)73 #6)74. Removed cleaned tested and rotated Spark plugs, Reinstalled spark plugs with 12 New M674 spark plug gaskets. Drained oil, removed oil filter, cut open and inspected, No Discrepancies were noted. Installed New Champion CH48108-1 oil filter. Serviced with 9 QTS Philips 20w-50 X/C oil. Verified Magneto Timing was at 20 Degrees. Due to discrepancies found during Log book, aircraft records review and initial airframe visual inspection, Annual inspection of the engine was stopped at this time, Customer stated That we (SkyQuest Aviation LLC.) were to cancel the annual inspection and remove the aircraft from SkyQuest aviation. Aircraft was returned to the ramp per customer request. Annual inspection of the Engine was NOT completed. A List of KNOWN Discrepancies at this time has been provided to the aircraft owner/operator. Based on incomplete engine inspection at this time This Engine has been found to be in UNAIRWORTHY CONDITION. Jonathan Stemen		

INSPECTION & MAINTENANCE RECORD



N544SC R44 RAVEN II S/N: 10884 9 SEP 2021

LYCOMING ENG: IO-540-AE1A5 S/N L-30450-48A ETSO: 185.45 HOBBS: 185.45 ETT: 4583.05

PERFORMED RECORD REVIEW AND FOUND PREVIOUSLY NOTED THAT SKYQUEST AVIATION LLC. INSERTED A LOG ENTRY STATING THAT FOUND AIRCRAFT TO BE IN AN UNAIRWORTHY CONDITION ON 26 AUG 2021 DUE TO LACK OF AIRCRAFT RECORDS AFTER PERFORMING AN ANNUAL INSPECTION ON 9 SEP 2021 AND REVIEWING RECORDS WE HAVE COMPLIED AND VERIFIED AIRCRAFT WAS FOUND TO BE IN AN AIRWORTHY CONDITION. (SEE PREVIOUS LOG BOOK ENTRY FOR FURTHER INFORMATION.)

JOSE RODRIGUEZ A&P
CREATIVE ROTORCRAFT MAINTENANCE LLC.
F. CHINO CA 91710
HANGAR B110 #C

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INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE
		Make/Model: R44 II Serial No: 10884 Hobbs: 306.01 ACTT: 4703.61 ACTSO: 306.01 IO-540-AE1A5 S/N: L-30450-48A Reg No: N544SC Date: 12/28/2021 WOW: 052165 EngTT: 4703.61 EngTSO: 306.01 Complied with engine 100 hour/Annual inspection IAW FAR 43 App D ref Lycoming IO-540 operators manual and RHC R44 MM applicable engine inspection requirements. Applicable AD's complied with through bi-weekly issue 2021-26. CW Lycoming SI 1129D alternator belt tension. CW Lycoming SI 1191A, results (cold): 1) 75/80 2) 70/80 3) 79/80 4) 79/80 5) 79/80 6) 71/80. CW Lycoming SB 480F oil system service. Removed, cleaned, inspected, and re installed oil sump screen. Installed new oil filter and serviced system with 9 quarts of Aeroshell 100W Plus. CW Lycoming SI 1080 special items. CW CMI SB 643B 100HR magneto inspection, verified mag to engine timing 20 degree btdc. (500hr due at ENGTSO: 500.00) Complied with run up check, leak check, all operational checks and post maintenance flight. All work performed ref RHC R44 maintenance manual applicable engine inspection requirements and Lycoming O-540 operators manual. I certify this engine has been inspected IAW an Annual/100 hour inspection and was determined to be in airworthy condition. Signature: [Redacted] Position: Owner	