

ENGINE LOG
EF5-1

R44 II
S/N: 13227

Engine Log

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Aero Products Corporation

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NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described herinafter has been manufactured run-in and tested as prescribed by **LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All Applicable Federal Aviation Airworthiness Directives and Lycoming Service Bulletins have been complied with at time of manufacture.

MODEL IO-540-AE1A5 SERIAL NO. L-34683-48E
DATE 6/24/11 Low & Adams
(AUTHORIZED REPRESENTATIVE)

LYCOMING

LYCOMING ENGINES

652 Oliver Street
Williamsport, PA 17701 U.S.A.

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Form No. 777-C (Rev. 6/10)

SERIAL NUMBER L-34683-48E DATE OF MANUFACTURE 24 JUN 2011

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 100LL

REGISTERED OWNER _____

STREET NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET NO. _____

CITY, STATE, ZIP _____

ENGINE ACCESSORIES INSTALLED

OIL COOLER	MEGGITT / STEWART WARNER	S/N	5570
OIL COOLER (SMALL)	MEGGITT / STEWART WARNER	S/N	2327
RIGHT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N	E11EA128
LEFT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N	E11DA249
ALTERNATOR	HARTZELL ENGINE TECHNOLOGIES	S/N	H-L070162
STARTER	B & C SPECIALTY PRODUCTS	S/N	0911240903
FUEL CONTROL	PRECISION AIRMOTIVES	S/N	70E39003
IP SBR			

[illegible]

INSTALLATION RECORD

[illegible]

















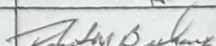
LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

[illegible]

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

[illegible]

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.
Lycoming SB 342	Injector Fuel Lines	JAN 3 '12 0	New lines and clamps installed	Recur	100 or Annual	RHC PC424WE 
Lycoming SB 388	Valve Stem Clearance	JAN 3 '12 0	New engine installed	Recur	300.0	RHC PC424WE 
Lycoming SB 480	Oil Change	JAN 3 '12 4.58	Changed oil	Recur	29.58 hours or 4 months	RHC PC424WE 
95-07-01	Connecting Rod Bolts	JAN 3 '12 0	Mfg'd by Text-Lyc	1 Time	N/A	RHC PC424WE 
96-09-10	Sintered Iron Impeller	JAN 3 '12 0	C/W by Mfr	1 Time	N/A	RHC PC424WE 
96-23-03	Fuel Pumps	JAN 3 '12 0	N/A by D.O.M.	1 Time	N/A	RHC PC424WE 
98-18-12	Fuel Pumps	JAN 3 '12 0	N/A by pump model	1 Time	N/A	RHC PC424WE 
2000-18-53	Oil Filter Plate	JAN 3 '12 0	Converter Plate not installed	1 Time	N/A	RHC PC424WE 
2004-05-24	Crankshaft Gear Bolt	JAN 3 '12 0	Complied with by Lycoming	1 Time	N/A	RHC PC424WE 
2004-10-14	Crankshaft Gear	N/A 0	N/A	Recur	Sudden Stoppage, or Gear Train Repair	RHC PC424WE 
2005-12-06	TCM Magnetos	JAN 3 '12 0	N/A by Series	1 Time	N/A	RHC PC424WE 
2005-19-11	Crankshaft	JAN 3 '12 0	N/A per SB 566	1 Time	N/A	RHC PC424WE 
2006-20-09	Crankshaft	JAN 3 '12 0	N/A by Eng S/N	1 Time	N/A	RHC PC424WE 
2008-14-07	Injector Fuel Lines	JAN 3 '12 0	New lines and clamps installed	Recur	100 or Annual	RHC PC424WE 
2009-02-03	RSA-10 Fuel Servo	JAN 3 '12 0	Part No. 2577258 Gasket Installed	1 Time	N/A	RHC PC424WE 
2011-15-10	RSA-10 ADI Fuel Servo	JAN 3 '12 0	N/A by P/N	1 Time	N/A	RHC PC424WE 
8-14-07	Fuel Lines	4 Jan 13 2258	Superseded by 2011-36-04	1 Time	N/A	 228920

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.
6-20-09	crankshaft	4 Jan 13 79.58	Supervised by AD 2012-19-01	N/A	N/A	Robert M. Buehler 2220664
11-15-10	fuel valve	4 Jan 13 79.58	Supervised by AD 2012-03-06	N/A	N/A	Robert M. Buehler 2220664
2011-26-04	fuel lines	4 Jan 13 79.58	VIS INSP OK	Recur	109.58/mm Jan 2014	Robert M. Buehler 2220660
12-03-06	fuel valve	4 Jan 13 79.58	N/A by N/A	1 time	N/A	Robert M. Buehler 2220664
12-19-01	crankshaft	4 Jan 13 79.58	N/A by N/A	1 time	N/A	Robert M. Buehler 2220664
2017-16-11	Engine	14 Mar 17 119.1	N/A by N/A	1 time	N/A	Robert M. Buehler 2220664
2015-19-07	Fuel line clamps	3-13-18 195.8	UIS INSP	Recur	295.8 Mar 2019	Robert M. Buehler 3422678
SB388C	Valve stem clearance	3-13-18 105.8	UIS INSP	Recur	495.8	Robert M. Buehler 3571244
Lycoming 5B480	oil	7-30-18 292.5	changed oil & filter	Recur	342.5	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	FUEL LINES	7-30-18 292.5	visual inspection	Recur	392.5	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	FUEL LINES	4-16-19 500.94	visual inspection	Recur	600.0	Robert M. Buehler 3571244
Lycoming 5B480F	oil	4-18-19 500.44	changed oil & filter	Recur	550	Robert M. Buehler 3571244
Lycoming 5B480F	oil	4-2-2019 592.82	changed oil & filter	Recur	692.82	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	Fuel lines	4-2-2019 592.82	visual inspection	Recur	692.82	Robert M. Buehler 3571244
Lycoming 5B480F	oil	2-5-20 693.1	changed oil & filter	Recur	743.1	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	Fuel lines	2-5-20 693.1	visual inspection	Recur	793.1	Robert M. Buehler 3571244
Lycoming 5B480F	oil	6-25-20 787.19	changed oil & filter	Recur	837.19	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	Fuel lines	6-25-20 787.19	visual inspection	Recur	887.19	Robert M. Buehler 3571244

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.
Lycoming 5B388	valve guide inspection	6-25-20 787.19	visual inspection	Recur	1087.19	Robert M. Buehler 3571244
Lycoming 5B480	charge filter	8-DEC-20 884.53	changed oil & filter	Recur	984.53	Robert M. Buehler 3571244
Lycoming AD 2015-19-07	Fuel lines	8-DEC-20 884.53	visual inspection	Recur	984.53	Robert M. Buehler 3571244
SB480E	oil & filter	3-9-22 1266.3	changed oil & filter	Recur	1316.3	Robert M. Buehler 3571244
2015-19-07	Fuel line	3-9-22 1266.3	visual inspection	Recur	1366.3	Robert M. Buehler 3571244

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

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AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

[illegible]

12

12

Control (Insects A)

TOTAL

INSPECTION OR MAINTENANCE PERFORMED

APPROVAL & CERTIFICATION NO.

Date: 04/03/2012 Hobbs: 20.23 N34WH

At this time drained oil and removed filter. Complied with Lycoming Service Bulletin 480. Installed new CH48108-1 Oil Filter and serviced engine with 8 quarts of Phillips 20W-50 Type M Oil.

The engine listed above was maintained and inspected in accordance with the current Federal Aviation Administration regulations and is approved for return to service. Pertinent details of this repair are on file at this Agency under WO# 1137

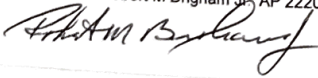
Date Signed: 04/03/2012

Dominique J. Youakim

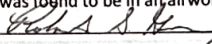
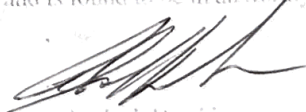
Central Illinois Air Corporation, FAA CRS 21XR120M

7/10/12	Tach 49	changed oil w/ 9 qts shell 15-50, changed oil filter CH48108. CK engine & exhaust. 7/10/12 Offlog Dodge for BPCR558C w/o # 6074
11/19/12	Tach 75	changed oil w/ 9 qts shell 15-50, changed oil filter CH48108, CK engine & exhaust. 11/19/12 Offlog Dodge for BPCR558C w/o # 6160

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		N34WH 04 JAN 2013 RHC R44II S/N; 13227 TACH/TTAF; 0079.58 ENG; LYCO IO-540-AE1A5 S/N L-34683-48E TTE; 0079.58
		Engine area cleaned, oil drained, filter and sump screen removed, filter and sump screen inspected for contamination, none noted. Oil serviced with AEROSHELL 15W50. Cylinder compression; all cylinders 76-78/80. Spark plugs serviced. Mag-to-engine timing checked. Fuel screens checked clean. Checked induction air filter. Idle fuel mixture checked. Engine and drive system alignment checked -ok. Engine controls checked for proper travel and function. Ground run, system operational check and leak checked ok
		I certify that this <u>ENGINE</u> has been inspected accordance with a/an <u>ANNUAL</u> Inspection, including the scope and detail of FAR 43, Appendix D, as applicable and has been determined to be in an Airworthy Condition at this time. AD's checked though issue 2012-26
		Robert M Brigham Jr. AP 2220660 IA 

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
4WH	S/N 13227	HOBBS 100.71 ACFT TT 100.71 DATE March 1, 2014 Lycoming IO-540-AE1A5 S/N L-32901-48E ETT 100.71
		Complied with an Annual Engine Inspection per Lycoming Operator's Manual Section 4. Drained oil, removed and replaced oil filter, and serviced with 8 quarts of Aeroshell 15W-50 oil. Inspected removed oil filter with no defects noted. Performed compression check with the following results: #1-79/80, #2-79/80, #3-80/80, #4-78/80, #5-79/80, #6-79/80, all within limits. Removed, cleaned, gapped, inspected and installed spark plugs. Removed, cleaned, inspected, and reinstalled oil suction screen, fuel bowl, and fuel inlet strainer. Complied with coming SB 480E. Complied with AD 2011-26-04 by inspecting fuel lines. Performed operational ground run and leak check with no defects noted at this time. AD's checked and found to be current to bi-weekly period 2014-04. I certify that this aircraft engine has been inspected in an Annual Inspection and was found to be in an airworthy condition at this time and approved for return to service. END— Robert Gomez A&P 3182999IA  AP3182999IA
		N34WH Jun. 01, 2015 Tach: 111.6 TSN: 111.6 Inspected engine, compression check completed satisfactorily, all cylinders 76/80 checked control as needed. Checked cleaned and gapped spark plugs. Checked timing checked exhaust system. Changed oil and filter. Serviced with 7qts Aeroshell 15W50. Airworthiness directives checked, or complied with as needed. I certify that this engine has been inspected according to an annual inspection and is found to be in airworthy condition at this time. AD 11-26-04 9W ON FUEL INJ. LINGS NO DEFECTS NOTED  A. Jack Hawkins 33166311A

N34WE 05/17/2017

Tach: 122.6

TSMOH: 122.6

DATE

Inspected this Engine using the Lycoming Maintenance Manual. All compression checks were 76/80 or better, timing checks good at 20 BTDC. Cleaned, gapped and checked all sparkplugs and torqued to 30'lbs. I certify that this Engine has been inspected IAW a 100 hour Inspection and no discrepancies found at this time.



Daniel Davis

3299298 A&P

Century Helicopters Inc. FAA Repair Station PN5R125N W.O.# 11869 Log Entry - 12/13/17
Reg# N34WH Tach Time 129.62 Total Time 129.62 Engine(1) IO-540-AE1A5 Se.No. L-34683-48E Hrs 129.6

AD 2017-16-11 N/A due Engine S/N L-34683-48 E IAW Lycoming service Bulletin MB632B Table 1.

Brian Schlesar PN5R125N

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 30 JULY 2018

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 292.5 HOBBS: 292.5

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 8QTS OF AS 15W50. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED SPARK PLUGS ALONG WITH 8 NEW GASKETS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 78/80, #2 78/80, #3 75/80, #4 76/80 #5 78/80, AND #6 76/80 PER S.I 1191. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. AD'S CURRENT TO REVISION 2018-15. 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 A&P 3037109
CREATIVE ROTORCRAFT MAINTENANCE LLC.
7000 MERRILL AVE. CHINO CA 91710
HANGAR B110 #C (909) 529-0322

3-13-18 195.80 Complied with 100 HR Inspection per Lycoming operator's
Engine SN: L-34683-48E Manual Section 4 paragraph 5. Engine Compression check:
(1) 78/80 (2) 80/80 (3) 78/80 (4) 79/80 (5) 76/80 (6) 79/80
I certify that this engine has been inspected according to
100 HR Inspection and found to be in an airworthy
condition at this time. Arturo Montes AP 3422678

5/20	316.2	25hr oil change	3052200
10/12	338.92	50hr oil change	3052200
10/19	365.157	25hr oil change	3052200

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 29 NOV 2018

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 397.37 HOBBS: 397.37

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 8QTS OF AS 15W50. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED SPARK PLUGS ALONG WITH 8 NEW GASKETS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 75/80, #3 75/80, #4 77/80 #5 75/80, AND #6 78/80 PER S.I 1191. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. A.D'S CURRENT TO REVISION 2018-24. **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 A&P 3037109
CREATIVE ROTORCRAFT MAINTENANCE LLC.
7000 MERRILL AVE. CHINO CA 91710
HANGAR B110 #C (909) 529-0322

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 18 APRIL 2019

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 500.94 HOBBS: 500.94

PERFORMED A 50/100/500 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 8QTS OF AS 15W50. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED SPARK PLUGS ALONG WITH 12 NEW GASKETS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 75/80, #3 75/80, #4 77/80 #5 75/80, AND #6 78/80 PER S.I 1191. PERFORMED SB388C READINGS ARE AS FOLLOWS #1) .028", #2) .019", (REAMED CYLINDER) #3) .018", #4) .018", #5) .021" & #6) .019" ALL WITHIN LIMITS. REMOVED AND REPLACED ALL 6 EXHAUST GASKETS WITH NEW P/N 77611. REMOVED AND REPLACED ALL 6 OIL RETURN LINES WITH NEW P/N STD-1821. REMOVED MAGNETOS TO BE SENT OUT FOR INSPECTION. INSPECTION WAS PERFORMED BY AERO ACCESSORIES UNDER W/O # 47553 AND 47554 SEE 8130 FOR FURTHER DETAILS. INSTALLED BOTH MAGNETOS ALONG WITH 4 NEW GASKETS 62224 AND 4 NEW CUSTIONS 68H22624 WITH NO CHANGE TO PART NUMBER AND OR SERIAL NUMBER. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. REMOVAL AND INSTALLATION OF MAGNETOS WERE ACCOMPLISHED IN REFERENCE TO TCM MM AND LOM AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. INSTALLED NEW GASKET ON OIL DIP STICK AND SAFETIED AS REQUIRED. A.D'S CURRENT TO REVISION. **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 50/100/300/500HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. -END-**

JOSE RODRIGUEZ A&P 3037109
CREATIVE ROTORCRAFT MAINTENANCE LLC.
7000 MERRILL AVE. CHINO CA 91710
HANGAR B110 #C (909) 529-0322



CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 02 SEPT 2019

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 592.82 HOBBS: 592.82

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 8QTS OF AS 15W50. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED SPARK PLUGS ALONG WITH 12 NEW GASKETS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 79/80, #2 74/80, #3 75/80, #4 78/80 #5 79/80, AND #6 75/80 PER S.I 1191. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. A.D'S CURRENT TO REVISION. **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 A&P 3037109

CREATIVE ROTORCRAFT MAINTENANCE LLC.

7000 MERRILL AVE. CHINO CA 91710

HANGAR B110 #C (909) 529-0322

ENGINE MODEL: IO-540-AE1A5

ENGINE S/N: L-34683-48E

REG. NO: N34WH

WORK ORDER: 7455

Shier Aviation Corporation

Repair Station No. IVSR655S

3753 John J. Montgomery Dr. #1

San Diego, CA 92123

Phone: 858-505-5963

Engine Entries

Preliminary Inspection complied with in accordance with 145CRS.

Removed engine driven fuel pump P/N LW15473 S/N H2211 due to diaphragm leakage. Installed 0.0TSO pump assy same P/N S/N 08MW09. Installed new gasket and packings on fittings. work was done i/a/w Lycoming engine O/H manual and RHC RTR 460 Maint man. A ground run and leak check was performed and no leaks were noted.

I certify that the work performed was done i/a/w the proper maintenance manuals and procedures and the aircraft is approved for return to service.

DATE: 12/23/2019

SIGNED:

Jon McClure

Certified Repair Station No. IVSR655S

Work Order: 7455

Printed by EBis 3 (datcomedia.com)

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIMEINSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 05 FEBRUARY 2020

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 693.1 HOBBS: 693.1

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 8QTS OF AS 15W50. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 77/80, #2 75/80, #3 75/80, #4 74/80 #5 76/80, AND #6 76/80 PER S.I 1191. REMOVED AND REPLACED ALL 6 CYLINDER OIL DRAIN BACK LINES WITH NEW STD 1821. REPLACED CYLINDER #6 VALVE COVER GASKET WITH NEW. REMOVED AND REPLACED OIL DIP STICK GASKETS WITH NEW P/N: 70259 AND SAFETIED. REPLACED ENGINE COOLING PANEL WITH NEW P/N: D380-7. REPLACED ALL 12 SPARK PLUGS WITH NEW P/N: UREM 38E TORQUED TO SPEC. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. A.D'S CURRENT TO REVISION. C/W AD 2015-19-07 FUEL LINE CLAMP VISUAL INSPECTION NO DEFECTS NOTED. **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 50/100/300 HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. -END-**

JOSE RODRIGUEZ A&P 3037109

CREATIVE ROTORCRAFT MAINTENANCE LLC.

7000 MERRILL AVE. CHINO CA 91710

HANGAR B110 #C (909) 529-0322

INSPECTION & MAINTENANCE RECORD



CREATIVE ROTORCRAFT MAINTENANCE

N34WH R44 II S/N 13227 25 JUNE 2020

LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 787.19 HOBBS: 787.19

PERFORMED A 50/100/300 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 8QTS OF AS 15W50. REMOVED, CLEANED, GAPPED, TESTED AND REINSTALLED SPARK PLUGS ALONG WITH 12 NEW GASKETS. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 75/80, #2 73/80, #3 76/80, #4 74/80 #5 75/80, AND #6 73/80 PER SI 1191. PERFORMED SB388C READINGS ARE AS FOLLOWS. #1). .028", #2). .021", #3). .023", #4). .018", #5). .019" & #6). .019" ALL WITHIN LIMITS. REMOVED AND REPLACED ALL 6 VALVE SIDE COVER GASKETS WITH NEW. REPLACED 2 FUEL LINES GROMMETS. REMOVED AND REPLACED OIL DIP STICK GASKETS WITH NEW ASD SAFETIED. PERFORMED ENGINE OIL SAMPLE KIT WITH NEW TEST PACKAGE AOAT151-P BY ALS GLOBAL OIL. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. A.D'S CURRENT TO REVISION. C/W AD 2015-19-07 FUEL LINE CLAMP VISUAL INSPECTION NO DEFECTS NOTED. 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 50/100/300 HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. -END-

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 7000 MERRILL AVE. CHINO CA 91710
 HANGAR B110 #C (909) 529-0322

INSPECTION & MAINTENANCE RECORD



CREATIVE ROTORCRAFT MAINTENANCE


N34WH R44 II S/N 13227 8 DECEMBER 2020


LYCOMING IO-540-AE1A5 S/N: L-34683-48E ETT: 884.53 HOBBS: 884.53

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 8QTS OF AS 15W50. PERFORMED COLD CYLINDER COMPRESSION FOUND ALL TO BE WITHIN LIMITS. #1 75/80, #2 76/80, #3 72/80, #4 71/80 #5 73/80, AND #6 74/80 PER SI 1191. REMOVED AND REPLACED ALL 6 CYLINDER OIL DRAIN BACK LINES WITH NEW P/N STD 1821. VERIFIED MAGNETO TIMING IAW TCM SB'S 636, & 643B AS APPLICABLE. ADJUSTED ALTERNATOR BELT TENSION TO BE WITHIN LIMITS AS SPECIFIED IN SI 1129B. REMOVED AND INSTALLED NEW AIR FILTER. CLEANED AIRFRAME GASCOLATOR INLET SCREEN. A.D'S CURRENT TO REVISION. C/W AD 2015-19-07 FUEL LINE CLAMP VISUAL INSPECTION NO DEFECTS NOTED. 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 50/100/300 HR. INSPECTION AND FOUND THIS ENGINE TO BE IN AN AIRWORTHY CONDITION AND APPROVED FOR RETURNED TO SERVICE AT THIS TIME. -END-

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 7000 MERRILL AVE. CHINO CA 91710
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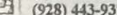
INSPECTION & MAINTENANCE RECORD

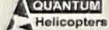
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	<p>N34WH August 30, 2021 Hobbs Time - 1147.5 Performed a annual and 100 hour inspection hour in accordance with Robinson R44 Maintenance Manual and Lycoming 100 hour inspection items. Elements of the inspection included, but not limited to:</p> <ol style="list-style-type: none"> 1. Removed, cleaned and serviced spark plugs. 2. Engine compressions were: #1-68 #2-72 #3-71 #4-70 #5-68 #6-70 3. Mag timing confirmed to correct. 4. Replaced air filter. 5. Drained oil and replaced oil filter with new. 6. Removed tach mag and replaced tach points in the mag. Mag replaced and engine timed to correct timing. Mag service performed by Merrill Field Instruments, Anchorage, Alaska. <p>All ADs checked current to this date, no new applicable. Performed ground service and operation run up, and test flight. No leaks noted on engines and systems. I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition at this time.</p> <p>Mark R. Barker AP/IA 2834176 <i>Mark Barker</i> (electronic signature)</p>	
	<div style="border: 1px solid black; padding: 10px;">  <p>6565 Crystal Lane Prescott, Arizona 86301 (928) 443-9370 (928) 778-3724 Fax</p> <p>Registration: N34WH Make: Lycoming Model: IO-540-AE1A5 Serial #: L-34683-48E Hobbs: 1265.42 Total Time: 1265.42 TSOH: 1265.42 Date: 3-3-2022</p> <p>Troubleshoot engine no-start. Checked idle fuel flow per R44 MM. Inspected and re-installed serviceable spark plugs. Replaced 3 ea. Spark plugs w/ new REM38E on lower cylinders #1, 3, 5. Replaced L/H magneto w/ serviceable assy. S/N E07GA195 with new P/N 62224 gasket & 2 new drive cushions P/N LW-13641. See attached maintenance release for magneto 500hr inspection details. Timed to engine in ref. to Lycoming operators manual 60297-10. Post installation ground run leak and ops checks good.</p> <p>Scott Outlaw A&P 3785067 <i>[Signature]</i></p> </div>	

 6565 Crystal Lane
Prescott, Arizona 86301
(928) 443-9370 (928) 778-3724 Fax
PRESCOTT WING & ROTOR

Registration: N34WH	Make: Lycoming	Model: IO-540-AE1A5	Serial #: L-34683-48E
Hobbs: 1265.42	Total Time: 1265.42	TSOH: 1265.42	Date: 3-3-2022

Troubleshoot engine no-start. Checked idle fuel flow per R44 MM. Inspected and re-installed serviceable spark plugs. Replaced 3 ea. Spark plugs w/ new REM38E on lower cylinders #1, 3, 5. Replaced L/H magneto w/ serviceable assy. S/N E07GA195 with new P/N 62224 gasket & 2 new drive cushions P/N LW-13641. See attached maintenance release for magneto 500hr inspection details. Timed to engine in ref. to Lycoming operators manual 60297-10. Post installation ground run leak and ops checks good.

Scott Outlaw A&P 3785067 



2401 S Hempport Way

Chandler, AZ 85286

(480) 814-8118 (480) 814-8737 fax

Registration: N34WH Make: Lycoming Model: IO-540-AE1A5 Serial #: L-34683-48E Date: 03/09/22

Tach/Hobbs: 1266.3

Total Time: 1266.3

TSOH: N/A

Drained and serviced 8 qts. Aeroshell W100+ oil. Cleaned fuel and oil screens. Replaced CH48108-1 filter w/new. Old filter inspected, no defects noted. Removed, cleaned, gapped, tested, inspected and reinstalled spark plugs. Checked both magnetos timed to 20° BTDC IAW engine data plate. Compression checked as follows: #1 798/80, #2 79/80, #3 79/80, #4 76/80, #5 79/80, and #6 79/80. Removed and replaced crankshaft seal w/new. Replaced alternator belt w/new. Checked alternator belt tension IAW SI 1129B. CW AD 2015-19-07 (dated 11/03/2015) by inspection of fuel lines and clamps IAW (e)(1)(ii) of AD text, next due 1376.3 TT.. Checked applicable AD's and SB's and complied with as required IAW current FAR's. I certify this engine has been inspected IAW a 100 HR inspection and has been determined to be in airworthy condition.

Brandon Pearce 3003627 A&P



2401 S Hempport Way

Chandler, AZ 85286

(480) 814-8118 (480) 814-8737 fax

Registration: N34WH Make: Lycoming Model: IO-540-AE1A5 Serial #: L-34683-48E Date: 01/19/23

Tach/Hobbs: 1369.3


Total Time: 1369.3

TSOH: N/A

Drained and serviced 8 qts. Aeroshell W100+ oil. Cleaned fuel and oil screens. Replaced CH48108-1 filter w/new. Old filter inspected, no defects noted. Removed, cleaned, gapped, tested, inspected and reinstalled 8 spark plugs, and replaced 4 w/new REM38E Spark plugs. Checked both magnetos timed to 20° BTDC IAW engine data plate. Compression checked as follows: #1 79/80, #2 79/80, #3 79/80, #4 79/80, #5 79/80, and #6 79/80. Checked alternator belt tension IAW SI 1129B. CW AD 2015-19-07 (dated 11/03/2015) by inspection of fuel lines and clamps IAW (e)(1)(ii) of AD text, next due 1479.3 TT. CW SB 388C by dimensional inspection IAW sb text. Readings were: #1 0.030, #2 0.020, #3 0.019, #4 0.018, #5 0.017, and #6 0.018. SB next due @ 1669.3 TT. Checked applicable AD's and SB's and complied with as required IAW current FAR's. I certify this engine has been inspected IAW a 100 HR inspection and has been determined to be in airworthy condition.

Benjamin Miller 3770566 A&P

INSPECTION & MAINTENANCE RECORD


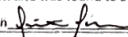
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		 <p>6565 Crystal Lane Prescott, Arizona 86301 (928) 443-9370 (928) 778-3724 Fax</p> <p>Registration: N34WH Make: Lycoming Model: IO-540-AE1A5 Serial #: L-34683-48E Hobbs: 1404.52 Total Time: 1404.52 TSOH: 1404.52 Date: 3-14-2023</p> <p>Replaced starter with O/H P/N BC315-100-4 S/N 09094705. Scott Outlaw A&P 3785067 <i>Scott</i></p> <p>Replaced L/H Magneto w/ O/H P/N 10-600616-9 S/N E05EA048 and timed to engine per Lycoming IO-540 operators manual. Leak and ops check good.</p> <p>Michael Oshima A&P 4459482 <i>Michael</i></p>

Make:	Robinson	Model:	R44 II	Ser Num:	13227	Reg Num:	N34WH
Date:	02/07/2024	Hobbs:		Tach:	1489.86	Tot Time:	1489.86
<p>Annual inspection IAW 91.407(a). Complied with SB 480F. Complied with SB 2015-19-07 using Fuel Line Inspection and Installation Checklist in Lycoming MSB No. 342G. Next Due 1589.86 Performed SI 1080C Maintenance items for special attention, SL 1129B. Performed Lycoming SI 1191 A cylinder Compression Check, #1 68, #2 75, #3 74, #4 76, #5 77, #6 76. Cleaned gapped and rotated spark plugs per Tempest 1129A</p> <p>I certify this engine has been inspected IAW and annual inspection and is found to be in airworthy condition.</p> <p>Signed: 702 Helicopter Inc. 7HER154C <i>702</i></p> <p>2634 Airport Drive Suite 101 North Las Vegas NV 89032 (702) 338-9393</p>							

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		<p>Engine Log</p> <p>DATE: 09/07/2024 N#: N34WH Type: R44 II Airframe S/N: 13227 Engine: IO-549-AE1A5 Engine S/N: L-34683-48E Make: Lycoming ACTT: 1522.9 Tach: 1522.7</p> <p>Engine Fuel Pump replaced with New Lycoming (PN: LW-15473) Engine Driven Fuel Pump. All Work performed complied with Lycoming IO-540 series AE1A5 Engine maintenance manual.</p> <p>Engine Run up performed and found satisfactory. No leaks, No issues Noted.</p> <p>NAME: Colton Bringhurst CERTIFICATE #: A&P 5004502 RATING: A&P <i>Colton</i></p>

INSPECTION & MAINTENANCE RECORD

DATE	TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
 <p>AERONAUTICAL SERVICE LLC "Specializing in Robinson Helicopters"</p>		
Registration: <u>N34WH</u> Make: <u>Lycoming</u> Model: <u>IO-540-AE1A5</u> S/N: <u>L-34683-48E</u> Hobbs: <u>1546.91</u> Engine TT: <u>1546.91</u> Date: <u>2-1-2025</u>		
Inspected this engine per RHC R44 MM inspection section and Lycoming Operators Manual sections 4 and 5.		
<ol style="list-style-type: none"> 1) C/W LYC SI-1191, Compressions are as follow: 1) 78, 2)76, 3)78, 4)65, 5)60, 6)76 over 80. Borescoped cylinder #4 with no discrepancies noted. Will continue to monitor. 2) C/W LYC SB-480 "Oil & Filter change & screen cleaning" & AD 2024-21-02 "Connecting rod bushing inspection". AD NA by date range. Old filter and screen showed no contamination. Installed new AA48103-2 filter and serviced system with 9qts Aerashell W100 plus. 3) C/W LYC SI-1129 "Methods of checking DC alternator and generator belt tension". 4) C/W LYC SI-1080 "Maintenance Items for special attention" 5) C/W LYC SB-342 & AD 2015-19-07 "Fuel line and support clamp inspection" No defects noted. Due next 100HR or Annual inspection. 6) Installed new C771-2 Air Filter. 7) Cleaned, inspected, gapped, tested, and rotated sparkplugs. 8) Installed new 67193 rocker cover gasket on cylinder #2. 9) R/R "tach" magneto due 500HR inspection. Removed and installed overhauled assembly PN: BL-600645-201 SN: E21CA016R 10) All applicable AD's have been reviewed and/or complied with through 2-1-2025 11) Washed engine and performed operational and leak checks on all systems with no defects noted. 		
I certify that this Engine has been inspected in accordance with a 100HR inspection and was found to be in Airworthy Condition at this time.		
Timothy Thompson 		A&P 3727926

INSPECTION & MAINTENANCE RECORD

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