

#3

N121SE

ENGINE LOG
EF5-1

The subject aircraft was involved in an incident / accident on **7/2/2025** rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: **0299457319US**.

Signed: ***Underwriters Salvage Company***

Date: **10/14/2025**

AI G Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100
Atlanta, GA 30326

LYCOMING O-360-J2A**S/n L-38754-36E****0 HOURS SINCE MAJOR OVERHAUL**

Disassembled, cleaned, and inspected this engine for a major overhaul under work order P162. The crankshaft S/n V537949501 was cleaned, magnetic particle, visually, dimensionally inspected, and micro-polished STD mains and rods. The crankcase S/n 1299 was cleaned, fluorescent penetrant, visually and dimensionally and inspected. The connecting rods were cleaned, magnetic particle, re-bushed, and line-bored. The rocker arms were cleaned, magnetic particle, and re-bushed. The camshaft was cleaned, magnetic particle, visually, dimensionally inspected, and roller tappets were replaced with new. The cylinders were overhauled to new limits Nickel. The engine was reassembled in accordance with **LYCOMING OVERHAUL MANUALS AND TABLES OF LIMITS**. 60294-7 Rev. 14. July 2011 7-10D and Parts Manual PC306-11A Dated September 1998. The following parts were replaced at overhaul.

8ea. SL13521A STD Connecting Rod Bearing

8ea. SL12186 Connecting Rod Nut

8ea. SL75061 Connecting Rod Bolt

8ea. SL12892 Thrust Button

8ea. LRT23381 Roller Tappet

8ea. SL74637 Rocker Bushing

8ea. 6506 Breeze Clamp

8ea. SL11795 Valve Spring

8ea. SL11800 Valve Spring

8ea. MS13997-3 Keeper

8ea. 60009 Keeper

8ea. SL78290 Plunger Assembly

4ea. LW-13870 Overhauled New Limit P10 Steel Cylinder Assembly

S/n's JJI82220, JJI84959, JJI82068, JJI84962

2ea. SL13884A STD Front Main Bearing

4ea. SL16711A STD Main Bearing

1ea. 15M23452 Camshaft (0712A)

3ea. SL31H-0.88 Idler Bolt

1ea. STD-2168 Idler Nut

4ea. SL13444-1 Piston Pin

1ea. LW18109A-S Oil Pump Kit

4ea. SL13790 Rocker Shaft

4ea. SL75089 STD Piston

4ea. SL19001A Exhaust Valve

4ea. CN203 Ring Set

4ea. SL61681P Intake Guide

1ea. SLSTD2213 Crank Bolt

1ea. SL61084 Relief Spring

1ea. SL1028B Ball

1ea. 78531 Oil Pump

4ea. SLSTD-1821 Hose

4ea. SL13923 Rod Bushing

1ea. SL75439-1 Gasket Kit

4ea. SLR75906 Gasket

4ea. SL74230P Guide

4ea. 73938 In Valve

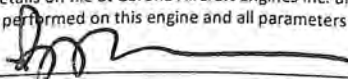
4ea. SL69603 Hose

THIS ENGINE WAS OVERHAULED TO 0 Hours Since Major Overhaul

-All pertinent details on file at Corona Aircraft Engines Inc. under WORK ORDER P162

-A test run was performed on this engine and all parameters were found satisfactory.

Signed




January 29, 2025


FAA REPAIR STATION O9VR726Y Corona Aircraft Engines, Inc. 1965 Aviation Drive Corona, CA 92878



INSPECTION & MAINTENANCE RECORD

D/	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Robinson Model: R22 Beta 2 Serial No.: 2747 EngTSOH: 2119.79 Acft total time: 6509.42 Hobbs: 2119.79	First Choice Aviation Inc.  Log Book Entry	Reg. No.: N121SE Date: 13 OCT 2023 Page: 1 of 1
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Description of Work Accomplished
<p>Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D .Performed compression checks: 1) 78/80 2) 75/80 3) 78/80 4) 78/80. Cleaned ,regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter..Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.</p>
Signature: 
Jeffrey Sobb A&P 2782511 First Choice Aviation Phone (561) 602-5011

[illegible]

Signature:

INSPECTION & MAINTENANCE RECORD

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

Make: Robinson

Model: R22 Beta 2

Serial No.: 2747

EngTSOH: 2025.14

Acft total
time: 6414.77 Hobbs:2025.14

First Choice Aviation Inc.



Reg. No.: N121SE

Date: 4 JUL 2023

Log Book Entry

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 77/80 2) 78/80 3) 77/80 4) 76/80. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Removed currently installed engine right magneto and replaced with 500 hour insp/repair magneto P/N 10-600644-201 S/N E05DA110. Magneto was repaired/inspected by Quality Aircraft Accessories WO#M731300. Serviced engine with 6 Quarts of Phillips 66 X/C 20W50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature: *Jeff Sobb*

Jeffrey Sobb A&P 2782511

First Choice Aviation
Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

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

08/02/2023

N121SE

ENG TT: 2542.84

HOBBS: 2076.48

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

1. CARRIED OUT THE 50 HOUR ENGINE OIL AND OIL FILTER CHANGE - FITTED NEW OIL FILTER PART NO. AA48112. SERVICED ENGINE WITH 6 QUARTS OF PHILLIPS X/C 20W50 OIL. ENGINE THEN GROUND RUN AND LEAK CHECK PERFORMED - NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: *Ch. White*

CERT. NUMBER: 4493688 CFI

DATE: 08/02/23

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make: Robinson
 Model: R22 Beta 2
 Serial No.: 2747
 EngTSOH: 1928.84
 Acft total time: 6318.47 Hobbs: 1928.84

First Choice Aviation Inc.



Log Book Entry

Reg. No.: N121SE
 Date: 13 MAY 2023

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 76/80 2) 78/80 3) 74/80 4) 79/80. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20W50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature:

Jeffrey Sobb A&P 2782511

First Choice Aviation
 Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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N 121SE MX HOBB'S: 1978.77 TT: 2424.35


I certify this engine has been inspected I/A/W a 50 Inspection using the Lycoming Operating Manual and The Robinson maintenance manual. Installed new Oil Filter AA48112 and service engine with 6 Qtrs. of Philipps 66 20W50. Ran aircraft and leak checked. Returned to service.

Christian Weikard
 Cert. Number 4493688
 Signature


June 7th, 2023

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Make: Robinson	Model: R22 Beta 2	Reg. No.: N121SE
Serial No.: 2747	EngTSOH: 1834.90	Date: 21 MAR,2023
Acft total time: 1834.90	Hobbs:1834.90	
First Choice Aviation Inc.  Log Book Entry		Page: 1 of 1

Description of Work Accomplished
<p>Performed annual inspection using Robinson and Lycoming maintenance and operator's manuals ^{annual} 100 hour inspection checklists as a guideline to comply with the annual/100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 77/80 2) 78/80 3) 79/80 4) 75/80. Performed Lycoming SB388C exhaust valve guide inspection and recorded the following measurements: 1) .029 2) .015 3) .029 4) .009, repaired .021. The #4 cylinder failed minimum clearance and was reamed per SB instructions. No other defects found. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.</p>
<p>Signature: </p> <p style="text-align: right;">Jeffrey Sobb A&P,IA 2782511</p> <p style="text-align: right;">First Choice Aviation Phone (561) 602-5011</p>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
N121SE	ENG TT: 1902.46	MX HOBBS: 1902.46
THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:		
COMPLIED WITH 50 HOUR OIL CHANGE I/AW LYCOMING ENGINE MANUAL. DRAINED OIL SYSTEM, REPLACED OIL FILTER TEMPEST PART NO. AA48112. REFILLED THE OIL SYSTEM WITH 6 QUARTS OF PHILIPPS 66 20W50.		
ENGINE THEN GROUND RUN, AND LEAK CHECK PERFORMED - NO LEAKS FOUND. RETURNED TO SERVICE.		
SIGNATURE: 		
CERT. NUMBER: 3728266		
DATE: 4/26/23		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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11/26/2022 N121SE

ACFT TT: 2094.99 MAINT HOBBS: 1694.90

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

1. ENGINE OIL DRAINED. REPLACED THE ENGINE OIL AND OIL FILTER – FITTED NEW OIL FILTER, TEMPEST PART NO. AA48112. SERVICED ENGINE WITH 5 QUARTS OF PHILLIPS X/C 20W50 OIL. ENGINE THEN GROUND RUN, AND LEAK CHECK PERFORMED – NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: Jeffrey Sobb

CERT. NUMBER: 2388916 CFI / A&P

DATE: 11/26/2022

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make: Robinson

Model: R22 Beta 2

Serial No.: 2747

EngTSOH: 1734.97

Acft total time: 6124.6 Hobbs: 1734.97

First Choice Aviation Inc.

FCA

Log Book Entry

Reg. No.: N121SE

Date: 18 DEC 2022

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D .Performed compression checks: 1) 76/80 2) 77/80 3) 79/80 4) 71/80. Cleaned , regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature:

Jeffrey Sobb

Jeffrey Sobb A&P 2782511

First Choice Aviation
Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8/27/2022	N121SE	ACFT TT: 1951.28 MAINT HOBBS: 1592.21

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

1. ENGINE OIL DRAINED. REPLACED THE ENGINE OIL AND OIL FILTER – FITTED NEW OIL FILTER, TEMPEST PART NO. AA48112. SERVICED ENGINE WITH 5 QUARTS OF PHILLIPS X/C 20W50 OIL. ENGINE THEN GROUND RUN, AND LEAK CHECK PERFORMED – NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: Geoffrey Weate Jeff Weate

CERT. NUMBER: 2388916 CF1

DATE: 8/27/2022

INSPECTION & MAINTENANCE RECORD

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

Make: Robinson

Model: R22 Beta 2

Serial No.: 2747

EngTSOH: 1637.46

Acft total time: 6027.09 Hobbs: 1637.46

First Choice Aviation Inc.



Reg. No.: N121SE

Date: 7 OCT 2022

Log Book Entry

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 74/80 2) 77/80 3) 79/80 4) 77/80. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature: Jeffrey Sobb

Jeffrey Sobb A&P 2782511

First Choice Aviation
Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

4/14/2022 N121SE ACFT TT: 1830.25 MAINT HOBBS: 1492.24

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

1. ENGINE OIL DRAINED. REPLACED THE ENGINE OIL AND OIL FILTER – FITTED NEW OIL FILTER, TEMPEST PART NO. AA48112. SERVICED ENGINE WITH 5 QUARTS OF PHILLIPS X/C 20W50 OIL. ENGINE THEN GROUND RUN, AND LEAK CHECK PERFORMED – NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: Mart T

CERT. NUMBER: 4158936

DATE: 4/14/2022

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

Make: Robinson

Model: R22 Beta 2

Serial No.: 2747

EngTSOH: 1540.69

Acft total
time: 5930.32 Hobbs: 1540.69

First Choice Aviation Inc.

FCA

Log Book Entry

Reg. No.: N121SE

Date: 8 JUL 2022

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 76/80 2) 77/80 3) 79/80 4) 76/80. Performed Lycoming SB388C exhaust valve guide inspection and recorded the following measurements: 1) .029 2) .016 3) .029 4) .019. No defects found. Removed both magnetos and reinstalled with the following: Right side P/N 10-600644-201 .S/N E05IA101R overhauled by Airmark overhaul under WO#47911. Left side P/N 10-600614-1 S/N E13IA257R repaired/inspected by Airmark Overhaul under WO# 48576. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20W50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature: Jeffrey Sobb

Jeffrey Sobb A&P 2782511

First Choice Aviation
Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	
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12/20/2021 N121SE ACFT TT : 1708.66 MAINT HOBBS: 1391.66

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

1. ENGINE OIL DRAINED. REPLACED THE ENGINE OIL AND OIL FILTER – FITTED NEW OIL FILTER, CHAMPION PART NO. CH48108-1. SERVICED ENGINE WITH 5 QUARTS OF PHILLIPS X/C 20W50 OIL. ENGINE THEN GROUND RUN, AND LEAK CHECK PERFORMED – NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: Colin McGuire

CERT. NUMBER: 3619587

DATE: 12/20/2021

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make: Robinson
Model: R22 Beta 2
Serial No.: 2747
EngTSOH: 1441.64
Acft total time: 5831.47 Hobbs: 1441.64

First Choice Aviation Inc.



Reg. No.: N121SE
Date: 12 MAR, 2022

Log Book Entry

Page: 1 of 1

Description of Work Accomplished

Performed annual inspection using Robinson and Lycoming maintenance and operator's manuals annual/100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 72/80 2) 77/80 3) 79/80 4) 79/80. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new AA48108-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with an annual inspection and has been determined to be in an airworthy condition at this time.

Signature: Jeffrey Sobb

Jeffrey Sobb A&P, IA 2782511

First Choice Aviation
Phone (561) 602-5011

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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DATE 6/9/2021 N121SE MAINT. HOBBS: 1294.19 BILLING HOBBS: 1590.36

THE FOLLOWING MAINTENANCE WAS COMPLETED AT THIS TIME:

CARRIED OUT THE 50 HOUR ENGINE OIL AND OIL FILTER CHANGE – FITTED NEW OIL FILTER CHAMPION PART NO. CH48108-1. SERVICED ENGINE WITH 5 QUARTS OF PHILLIPS X/C 20W50 OIL, AND 12 FL. OZ. OF AV BLEND. ENGINE THEN GROUND RUN AND LEAK CHECK PERFORMED – NO LEAKS FOUND. RETURNED TO SERVICE.

SIGNATURE: Deafly Wear

CERT. NUMBER: 2388916 CFI / ASP

DATE: 06/09/2021

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Make: Robinson

Model: R22 Beta 2

Serial No.: 2747

EngTSOH: 1341.55

Acft total time: 5731.38 Hobbs: 1341.55

First Choice Aviation Inc.

FCA

Log Book Entry

Reg. No.: N121SE

Date: 6 OCT 2021

Page: 1 of 1

Description of Work Accomplished

Performed 100 hour inspection using Robinson and Lycoming maintenance and operator's manuals 100 hour inspection checklists as a guideline to comply with the 100 hour inspection requirements of FAR 43 appendix D. Performed compression checks: 1) 62/80 2) 60/80 3) 69/80 4) 76/80. Cleaned, regapped, tested and rotated all 8 spark plugs. Replaced oil filter with new B123-2 oil filter. Serviced engine with 6 Quarts of Phillips 66 X/C 20w50. Run up and leaked checked OK. I certify this helicopter engine was inspected in accordance with a 100 hour inspection and has been determined to be in an airworthy condition at this time.

Signature: Jeffrey Sobb

Jeffrey Sobb A&P 2782511

First Choice Aviation
Phone (561) 602-5011

N121SE
Model: O-360-J2A
S/N: L-38754-36A

02/07/20
Hobbs: 1137.0
TSMOH: 1137.0

INSPECTION & MAINTENANCE RECORD

Compression check #1 74/80 #2 79/80 #3 78/80 #4 66/80. CW SB 480F changed AA48108-2 filter, cut , inspect, and cleaned sump screen. Serviced with 6 qts Phillips Victory 100AW oil. Checked engine to magneto timing-ok. Replaced all (8) spark plugs with serviceable plugs. Replaced cylinder #1, #2, #3 intake tube gasket with new p/n 71973. Cleaned fuel strainer screen. Replaced air filter p/n MGA42055 with new. CW SB 366 'Carb body'-CW per SB visual inspection no stains noted. Washed engine with solvent. Ground turned-all systems check good-no defects noted. I certify that this engine has been inspected in reference with a 100hr inspection and was found to be in airworthy condition. This engine is returned to service. END

[Signature]
Daniel Perez A&P 2743073

N121SE
Model: O-360-J2A
S/N:

04/17/20
Hobbs: 1239.0
TSMOH: 1239.0

Compression Check #1 64/80 #2 76/80 #3 74/80 #4 70/80. CW SB 480F changed AA48108-2 filter, cut, inspected, and cleaned sump screen. Serviced with 6qts Phillip Victory 100AW oil. CW SB 366 "Carb body"-CW per SB visual inspection no stains noted. Cleaned fuel screen. Replaced air filter with new p/n MGA42055. Checked engine to magneto timing-ok. Cleaned, tested and rotated spark plugs. Washed engine with solvent. Ground turned-all systems check good-no defects noted. I certify that this engine has been inspected in reference with a 100hr inspection and was found to be in airworthy condition. This engine is returned to service. END

[Signature]
Ricardo Perez A&P 3828318

Make/Model:R22
Serial No:2747
Hobbs:1242.07
EngTT:UNK
0-360-J2A SN:L-38754-36E

Reg No.N121SE
Date:3-11-2021
WO#:001989
EngTSO:1242.07







Description of Work Performed :

- Complied with engine 100 hour/Annual inspection IAW FAR 43 App D ref Lycoming 0-360 Ops Manual and RHC R22 MM 2.410 checklist as modified. Performed SB/AD research. Applicable AD's CW through bi-weekly issue 2021-05.
- Complied with SB 480F. Drained oil and serviced system with 6 quarts of aeroshell 100W plus. Installed new oil filter. Removed oil screen. Inspected, cleaned, and reinstalled.
- Inspected fuel screens. Cleaned and reinstalled.
- Complied with Lyc SI 1191A cylinder compression check (cold). Results: #1 75/80 #2 74/80 #3 76/80 #4 79/80.
- Complied with SI 1129D alternator belt tension. Adjusted belt to within limits
- Complied with Lyc SB 366B carb screw inspection.
- Complied with CMI SB643B 100 hour magneto inspection. 500 hour inspection due at 1482.2
- Complied with Lycoming SI 1080C items for special attention.
- Complied with engine height ref RHC R22 MM section 6.130. Results 3.58"
- Complied with Lycoming SB388C, results: 1).029 2).021 3).037 4).018. Replaced cylinder #3 with repaired cylinder from Corona Aircraft Engines. See Corona WO L014 dated 2/5/2021 for details on work performed.
- Replaced carb with overhauled unit PN:10-5217 SN:MS0FGX16. See Marvel-Schebler WO#0FGX dated 9/24/2020 for details
- Complied with run up check, leak check, and all operational checks. All work performed ref RHC R22 maintenance manual applicable inspections and Lycoming 0-360 operators manual.

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

[Signature]
Tommy Garst IA# 3581293

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.	DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
	Make/Model: R22 II Serial No: 2747 Hobbs: 1034.45 ACTT: 5424.25 ACTSO: 1034.45 0-360-J2A L-38754-36E	Reg No: N121SE Date: 4-1-19 WO#: 001649 EngTSO: 1034.45			
					
Description of Work Performed			Description of Work Performed		
<ul style="list-style-type: none"> Complied with engine 100 hour/Annual inspection IAW FAR43 AppD ref Lycoming Ops Manual and RHC R22 MM 2.410 checklist. Performed SB/AD research. Applicable AD's CW through bi-weekly issue 2019-06. Complied with SB 480F. Drained oil and serviced system with 6 quarts of aeroshell 100W plus. Installed new oil filter. Removed oil screen. Inspected, cleaned, and reinstalled. Inspected fuel screens. Cleaned and reinstalled. Complied with Lyc SI 1191A cylinder compression check (cold). Results: #1 78/80 #2 78/80 #3 78/80 #4 77/80. Complied with SI 1129D alternator belt tension. Results good Complied with Lyc SB 366B carb screw inspection. Complied with TCM SB643B 100 hour magneto inspection. 500 HR PCW at 982.2 TSO Complied with Lycoming SI 1080C items for special attention. Complied with engine height ref RHC R22 MM section 6.130. Results 3.6" Lycoming SB 386C PCW at 982.2 TSO. Due again @ 1282.2 TSO AD 2017-16-11 NA by date and SN ref MSB 632B Re safety wired valve covers ref R22 IPC figure 71-19 Secured carb heat probe wiring ref R22 IPC figure 71-5 Adjusted throttle correlation ref R22 MM figure 10-8 Installed new upper LH engine mount ref R22 IPC figure 71-1 Replaced throttle push-pull tube with new ref R22 IPC figure 76-1 Complied with run up check, leak check, all operational checks and post maintenance flight. All work performed IAW FAR 43 App D ref RHC R22 maintenance manual and Lycoming operators manual. 			<ul style="list-style-type: none"> Complied with engine 100 hour/Annual inspection IAW FAR 43 App D ref Lycoming Ops Manual and RHC R22 MM 2.410 checklist. Performed SB/AD research. Applicable AD's CW through bi-weekly issue 2019-26. Complied with SB 480F. Drained oil and serviced system with 6 quarts of aeroshell 100W plus. Installed new oil filter. Removed oil screen. Inspected, cleaned, and reinstalled. Inspected fuel screens. Cleaned and reinstalled. Complied with Lyc SI 1191A cylinder compression check (cold). Results: #1 76/80 #2 75/80 #3 72/80 #4 75/80. Complied with SI 1129D alternator belt tension. Results good Complied with Lyc SB 366B carb screw inspection. Complied with CMI SB643B 100 hour magneto inspection. Complied with Lycoming SI 1080C items for special attention. Complied with engine height ref RHC R22 MM section 6.130. Results 3.60" Complied with run up check, leak check, and all operational checks. All work performed ref RHC R22 maintenance manual and Lycoming operators manual. 		
I certify this engine has been inspected IAW a 100 hour/Annual inspection and was found to be in airworthy condition.			I certify this engine has been inspected IAW an Annual/100 hour inspection and was found to be in airworthy condition.		
 Tommy Garst AP 3581293 IA			 Tommy Garst AP/IA # 3581293		

INSPECTION & MAINTENANCE RECORD

N 121SE Serial number 2747 **Hobbs = 588.3 AC TT= 4978.1** March 8, 2018
8 new spark plugs. Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 72/80, #2 74/80, #3 70/80, #4 72/80. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

N 121SE Serial number 2747 **Hobbs = 687.4 AC TT= 5077.2** July 18, 2018
4 new spark plugs. Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 75/80, #2 77/80, #3 74/80, #4 75/80. Lycoming SB 388 completed, all exhaust valves between .016 and .020". Removed right hand magneto and replaced main breaker points, re-installed magneto and timed to engine. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

N 121SE Serial number 2747 **Hobbs = 784.2 AC TT= 5174.0** September 27, 2018
Cleaned & gaped all spark plugs. Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 77/80, #2 77/80, #3 77/80, #4 75/80. Lycoming SB 388 completed, all exhaust valves between .016 and .020". I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

INSPECTION & MAINTENANCE RECORD

N 121SE Serial number 2747 **Hobbs = 882.2 AC TT= 5272.0** November 13, 2018
Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 75/80, #2 75/80, #3 75/80, #4 70/80. Replaced all spark plugs with new spark plugs - REM38E. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

N 121SE Serial number 2747 **Hobbs = 982.2 AC TT= 5372.0** February 11, 2019
Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 74/80, #2 75/80, #3 76/80, #4 75/80. Replaced 4 lower spark plugs with new spark plugs - REM38E. performed **SB388** upon exhaust valves, Due again in 300 hours. Removed and **replaced Magnetos** with "0" since inspection Serial numbers **E07GA204 (10-600644-201)** and **E12AA012R (10-600614-1)** due inspection in 500 hours. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

INSPECTION & MAINTENANCE RECORD

N 121SE Serial number 2747 Tach = 99.5 AC TT 4489.3 April 3, 2017

Compression Check = #1 72/80, #2 72/80, #3 75/80, #4 75/80. No debris in filter or screen. SB 388 - Exhaust valve inspection - completed, all valve guide within limits. Magneto timing checked, no adjustments made. I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition returned to service. A & P 2751102 Andrew Thompson

Andrew Thompson

N 121SE Serial number 2747 Tach = 199.3 AC TT 4589.1 June 6, 2017

Compression Check = #1 75/80, #2 76/80, #3 75/80, #4 76/80. No debris in filter or screen. Magneto timing checked, no adjustments made. New oil filter installed, Aeroshell 15w-50 used in sump. I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition returned to service. A & P 2751102 Andrew Thompson

Andrew Thompson

N 121SE Serial number 2747 Tach = 298.8 AC TT 4688.6 August 9, 2017

Engine time since overhaul = 298.8
Compression Check = #1 75/80, #2 75/80, #3 76/80, #4 75/80. No debris in filter or screen. Magneto timing checked, no adjustments made. 8 New spark plugs installed, no indication of rough engine during start or during operation. I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition returned to service. A & P 2751102 Andrew Thompson

Andrew Thompson

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
4-6-17	AD 2017-16	11 Lye SB 632 Eng NOT Affected by SCA#
Superior Bushings Rock used		OR by Parts installed at Overhaul - No Further
		Action Required A & P 2751102 Andrew Thompson

N 121SE Serial number 2747 Hobbs = 395.2 AC TT = 4785.0 October 3, 2017

2 new spark plugs. Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. Magneto to engine timing checked, no adjustments made. SB 388, Exhaust valves checked for appropriate play in guide, completed. Compression Check; #1 74/80, #2 72/80, #3 75/80, #4 76/80. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

N 121SE Serial number 2747 Hobbs = 488.6 AC TT = 4878.4 December 1, 2017

4 new spark plugs. Oil and filter new, Aeroshell 15w-50 used in sump. No debris in filter or screen. #1 69/80, #2 70/80, #3 69/80, #4 70/80. Removed and replaced Magnetos with serial number's E14AA089R AND E14AA116R These magnetos have "0" since overhaul and are due inspection in 500 hours. New air filter installed. I certify that This Engine has been inspected in accordance with a 100 hour inspection, was determined to be in an airworthy condition returned to service. Andrew Thompson A & P 2751102

Andrew Thompson

INSPECTION & MAINTENANCE RECORD

[illegible]

INSPECTION & MAINTENANCE RECORD

DATE

TOTAL
TIME

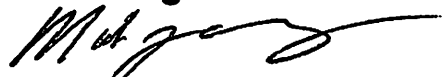
INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

TROPIC AIRPOWER
FAA Overhaul Repair Station T7KR187Y
20600 SW Citrus Blvd
Indiantown, Florida 34956
www.tropicairpower.com
561-964-8770

Date Sept 22, 2016 Work Order# 1349 Engine O-360-J2A s/n L-38754-36E

This Engine/PowerPlant is zero time since overhaul. Engine has been test run successfully, is airworthy and approved for return to service. Eligibility is TBV by the installer. Overhaul of Engine; Engine was disassembled, cleaned, inspected, New Limits throughout. Cylinders overhauled, Carburetor O/hauled (Marvel Schebler). All parts cleaned, Inspected. New Vernatherm. NEW BC702-1 Oil filter adapter installed. Magnetos O/H, New sparkplugs and ignition harness. All AD's c/w to date. NO-BLOW EXHAUST GASKETS. New hardware throughout. New main/rod bearings std/std. Painted Engine parts LYC GREY.

Mark Young Admin





R22 Engine Accessories Installed

Description	Part Number	Serial Number
Engine	0-360-J2A	L-38754-36E
Right Magneto	10-600644-201	E07HA205
Left Magneto	10-600614-1	E07IA173
Starter	B315-100-2	0909000932
Alternator	ALY-8520LS	4094726
Carburetor	MA-45PA	75CD2314
Oil Cooler	C649-1	259

#1

N121SE

ENGINE LOG
EF5-1