

THE
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AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
04/24/2023	3971.9			C/w SB480F oil change. Serviced 8 qrts 100w plus 7B123-2 oil filter. <i>[Signature]</i> AJP3817598
				
Helicopter Adventures 1860 21 st Ave North Myrtle Beach, SC 29577		Reg no:N7507X Serial no:1218 Hobbs:4002.3 Date:05/04/2023 ACTT:4002.3 EngTT:1802.3		
Description of work accomplished Complied with Engine Annual inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled. Complied with cylinder compression checks, results as follows: Cyl#1: 75/80 Cyl#2: 74/80 Cyl#3: 71/80 Cyl#4: 75/80 Cyl#5: 78/80 Cyl#6 72/80. Verified Throttle correlation .025". Verified magneto timing 25deg. Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records through 2023-09. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual. I certify this engine has been inspected IAW Annual inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>[Signature]</i> Nick Johnson A&P 3817598 IA				
5/23/23	4052.3			C/w SB480F <i>[Signature]</i> AJP 2776601
				
Helicopter Adventures 1860 21 st Ave North Myrtle Beach, SC 29577		Reg no:N7507X Serial no:1218 Hobbs:4102.0 Date:06/6/2023 ACTT:4102.0 EngTT:1902.0		
Description of work accomplished Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled Complied with cylinder compression checks, results as follows: Cyl#1: 73/80 Cyl#2: 72/80 Cyl#3: 73/80 Cyl#4: 77/80 Cyl#5: 75/80 Cyl#6 79/80. Verified Throttle correlation .018, Remd insp and reinstalled mags verified mag timing 25deg Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual. I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>[Signature]</i> David L Beach A&P 2776601				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
6/17/23	4140.3			Replaced Alternator w/overhauled PN ALX8521 SW H-M011474 Installed ALX8521 SW FD83378 Servd ops ch Good <i>[Signature]</i> AJP 2776601
				
Helicopter Adventures 1860 21 st Ave North Myrtle Beach, SC 29577		Reg no:N7507X Serial no:1218 Hobbs:4200.9 Date:06/29/2023 ACTT:4200.9 EngTT:2000.9		
Description of work accomplished Complied with Engine 100hr/300 hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled Complied with cylinder compression checks, results as follows: Cyl#1: 74/80 Cyl#2: 70/80 Cyl#3: 67/80 Cyl#4: 71/80 Cyl#5: 75/80 Cyl#6 78/80. SB 388C : #1 .022 #2 .021 #3 .021 #4 .021 #5 .021 #6 .019 Verified Throttle correlation .025, Remd insp and reinstalled mags verified mag timing 25deg Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual. I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>[Signature]</i> David L Beach A&P 2776601				
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DATE



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:05/24/2022

Reg no:N7507X
Serial no:1218
Hobbs:3638.0
ACTT:3638.0
EngTT:1438.0

Description of work accomplished

Complied with Engine Annual inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Replaced Starter due to slow starting
Complied with cylinder compression checks, results as follows: Cyl#1: 76/80 Cyl#2: 76/80 Cyl#3: 74/80 Cyl#4: 72/80 Cyl#5: 76/80 Cyl#6 77/80.
SB388 C #1 .020 #2 .020 #3 .018 #4 .020 #5 reamed to .018 #6 .018
Verified Throttle correlation .026, Replaced both mags sn on LH E20EA089R sn on RHE21DA125R verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach A&P 2776601 IA

6/24/22 3686.6 C/W SB480F oil & Filter change David L Beach 4414205



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date: 07/11/2022

Reg no: N7507X
Serial no: 1218
Hobbs: 3736.2
ACTT: 3736.2
EngTT: 1536.4

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual, SB1080 and SB480F
Drained oil and serviced system with 7 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Replaced Starter due to slow starting
Complied with cylinder compression checks, results as follows: Cyl#1: 71/80 Cyl#2: 74/80 Cyl#3: 71/80 Cyl#4: 71/80 Cyl#5: 77/80 Cyl#6 70/80.
Verified Throttle correlation .028". Removed Mags adjusted points and reinstalled, verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with all operational checks, Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David S Marcus A&P 4414205

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DATE

TOTAL
TIME
IN
SERVICE

TOTAL
TIME
SINCE
OVERHAUL

TACH OR
RECORDING
METER
TIME

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

8/10/22 Hobbs 3786.0 C/W SB480F oil & Filter change David L Beach 2776601



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:08/24/2022

Reg no: N7507X
Serial no: 1218
Hobbs: 3824.2
ACTT: 3824.2
EngTT: 1624.4

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual, SB1080 and SB480F
Drained oil and serviced system with 7 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 76/80 Cyl#2: 72/80 Cyl#3: 78/80 Cyl#4: 80/80 Cyl#5: 77/80 Cyl#6 75/80.
Verified Throttle correlation .020". Removed Mags adjusted points and reinstalled, verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with all operational checks, Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David S Marcus A&P 4414205

3/16/23 3874.2 C/W SB480F oil & Filter change David L Beach 2776601



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:04/7/2023

Reg no:N7507X
Serial no:1218
Hobbs:3922.4
ACTT:3922.4
EngTT:1722.4

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled
C/W SB 388C #1 .022 #2 .021 #3 .018 #4 .021 #5 .018 #6 .019.
Complied with cylinder compression checks, results as follows: Cyl#1: 74/80 Cyl#2: 71/80 Cyl#3: 74/80 Cyl#4: 74/80 Cyl#5: 73/80 Cyl#6 75/80.
Verified Throttle correlation .018. replaced Mags installed LH sn on E21DA017R RH sn on E20CA250R, verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach A&P 2776601

DAT

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:08/18/2021

Reg no:N7507X ACTT:3274.9
Serial no:1218 EngTT:1074.9
Hobbs:3274.9

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 75/80 Cyl#3: 78/80 Cyl#4: 78/80 Cyl#5: 76/80 Cyl#6 79/80.
Verified Throttle correlation .020. both Mags due 500hr , Replaced RH mag sn on E21CA039R LH on E21CA102R verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

8/29/21 3324.5 C/W SB 480F oil & Filter Change David L Beach A&P 2776601



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:09/15/2021

Reg no:N7507X ACTT:3372.8
Serial no:1218 EngTT:1172.8
Hobbs:3372.8

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 79/80 Cyl#2: 80/80 Cyl#3: 74/80 Cyl#4: 74/80 Cyl#5: 78/80 Cyl#6 80/80.
Verified Throttle correlation .025. verified mag timing 25deg
Replaced clutch actuator w/new pn C051-1 sn on 9510
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

10/8/21 3422.6 C/W SB 480 F oil & Filter change David L Beach A&P 2776601

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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:10/22/2021

Reg no:N7507X ACTT:3443.0
Serial no:1218 EngTT:1243
Hobbs:3443.0

Description of work accomplished

Pilot Report: Engine Tachometer Fluctuations, Replaced RH Magneto PN: 10-600646-201 SN: E21CA039R and installed Rebuilt SN E21EA007R Magneto. Ground run up check good, flight check good. This Aircraft is approved for return to service.

Noma S. Sando
Noma S. Sando P: PENDING



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:11/19/2021

Reg no:N7507X ACTT:3459.1
Serial no:1218 EngTT:1259.1
Hobbs:3459.1

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 76/80 Cyl#2: 72/80 Cyl#3: 74/80 Cyl#4: 74/80 Cyl#5: 76/80 Cyl#6 72/80.
Verified Throttle correlation .025. verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:03/29/2022

Reg no:N7507X ACTT:3550.8
Serial no:1218 EngTT:1350.8
Hobbs:3550.8

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 74/80 Cyl#2: 72/80 Cyl#3: 72/80 Cyl#4: 74/80 Cyl#5: 77/80 Cyl#6 76/80.
Verified Throttle correlation .015. removed Mags adjusted points and reinstalled, verified mag timing 25deg
Complied with SI1129 alternator belt tension. Replaced STARTER w/overhauled SN 0792000702 X AB
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
4/29/2021	Hobbs: 2890.0			Removed Installed Carburetor P/W 10-6035-11 S/N MSOM301 Due to Float stuck causing leak. Installed Overhauled Carb P/W 10-6035-11 S/W MSOHR 604 IAW RHC M/R R44 R44 I + Lycoming service ops manual. Adjusted throttle correlation to .020. OPS check GOOD. <i>DL</i> A&P 3677598
 Helicopter Adventures 1860 21st Ave North Myrtle Beach, SC 29577 Date:05/28/2021 Reg no:N7507X Serial no:1218 Hobbs:2979.7 ACTT:2979.7 EngTT:779.7				
Description of work accomplished Complied with Engine Annual inspection IAW Lycoming 0-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled. Complied with cylinder compression checks, results as follows: Cyl#1: 73/80 Cyl#2: 75/80 Cyl#3: 74/80 Cyl#4: 77/80 Cyl#5: 78/80 Cyl#6 75/80. Verified Throttle correlation .020. Removed, inspected, reinstalled and Verified magneto timing.25deg Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records through 2021-11. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual. I certify this engine has been inspected IAW Annual inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>Nick Johnson</i> Nick Johnson A&P3817598 IA				
6/16/21	3029.6			C/W SB 480F oil & Filter Change <i>DL</i> 2776601
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Helicopter Adventures 1860 21 st Ave North Myrtle Beach, SC 29577			Reg no:N7507X Serial no:1218 Hobbs:3076.5	ACTT:3076.5 EngTT:876.5
Date:07/2/2021				
Description of work accomplished				
Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled. Complied with cylinder compression checks, results as follows: Cyl#1: 75/80 Cyl#2: 76/80 Cyl#3: 76/80 Cyl#4: 77/80 Cyl#5: 74/80 Cyl#6 78/80. SB 388C #1 .020 #2 .019 #3 .018 #4 .018 #5 .017 #6 .017 Verified Throttle correlation .020. removed mags gapped points and reinstalled, verified mag timing 25deg Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.				
I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>David L Beach</i> David L Beach A&P 2776601				
 Helicopter Adventures 1860 21st Ave North Myrtle Beach, SC 29577 Date:07/25/2021 Reg no:N7507X Serial no:1218 Hobbs:3175.1 ACTT:3175.1 EngTT:975.1				
Description of work accomplished				
Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual ,SB1080 and SB480F Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus. Removed oil filter, Inspected and replaced with new P/N B123-2. Inspected fuel screens. No fault found cleaned and reinstalled. Complied with cylinder compression checks, results as follows: Cyl#1: 73/80 Cyl#2: 75/80 Cyl#3: 70/80 Cyl#4: 78/80 Cyl#5: 77/80 Cyl#6 78/80. Verified Throttle correlation .020. verified mag timing 25deg Complied with SI1129 alternator belt tension. Reviewed Engine records and airworthiness directives/ service bulletins Compliance records. Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD. All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.				
I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service. <i>David L Beach</i> David L Beach A&P 2776601				
8/6/21	3225.0			C/W SB 480F oil & Filter Change <i>DL</i> 2776601
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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:09/17/2020

Reg no:N7507X
Serial no:1218
Hobbs:2585.4

ACTT:2585.4
EngTT:385.4

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 79/80 Cyl#2: 77/80 Cyl#3: 79/80 Cyl#4: 79/80 Cyl#5: 78/80 Cyl#6 79/80.
Verified Throttle correlation .020. Removed, inspected, reinstalled and Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was Determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

10/16/20 2635.0 50 hr *David L Beach*

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:11/27/2020

Reg no:N7507X
Serial no:1218
Hobbs:2684.3

ACTT:2684.3
EngTT:484.3

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 79/80 Cyl#3: 78/80 Cyl#4: 77/80 Cyl#5: 78/80 Cyl#6 80/80.
Verified Throttle correlation .020. Removed, inspected, reinstalled and Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

2/27/2021 Hobbs: 2734.2
C/W SB480F by service engine w/ 8 qrts Aeroshell 100W plus
& B123-2 oil filter IAW SB480F service instructions
Wef APR 30/2008

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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:03/27/2021

Reg no:N7507X
Serial no:1218
Hobbs:2782.0

ACTT:2782.0
EngTT:582.0

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 65/80 Cyl#2: 77/80 Cyl#3: 77/80 Cyl#4: 77/80 Cyl#5: 79/80 Cyl#6 75/80.
Verified Throttle correlation .020. Removed Both Mags and replaced with overhauled P/N 10-600616-3 S/N E20EA099R and P/N E18JA382R
Installed and Verified magneto timing.25deg
C/W SB388C #1 .018 #2 .018 #3 .017 #4 .021 #5 .018 #6 .018
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

4/8/21 2830.6 C/W SB480F oil change *David L Beach* 2776601

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:04/20/2021

Reg no:N7507X
Serial no:1218
Hobbs:2880.3

ACTT:2880.3
EngTT:680.3

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 75/80 Cyl#2: 75/80 Cyl#3: 77/80 Cyl#4: 76/80 Cyl#5: 79/80 Cyl#6 78/80.
Verified Throttle correlation .020. verified mag timing 25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

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D/

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:06/23/2020

Reg no:N7507X
Serial no:1218
Hobbs:2299.9

ACTT:2299.9
EngTT:99.9

Description of work accomplished

Complied with Engine Annual/100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 76/80 Cyl#2: 79/80 Cyl#3: 78/80 Cyl#4: 78/80 Cyl#5: 79/80 Cyl#6 79/80.
Verified Throttle correlation .020. Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was Determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

7/3/20 2347.5 50 hr *David L Beach*



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:07/28/2020

Reg no:N7507X
Serial no:1218
Hobbs:2399.5

ACTT:2399.5
EngTT:199.5

Description of work accomplished

Complied with Engine Annual/100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 79/80 Cyl#3: 78/80 Cyl#4: 76/80 Cyl#5: 77/80 Cyl#6 78/80.
Verified Throttle correlation .020. Removed, inspected, reinstalled and Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was Determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601

8/13/20 2447.5 50 hr *David L Beach*

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Helicopter Adventures
1860 21st Ave North
myrtle Beach, SC 29577

Date:08/5/2020

Reg no:N7507X
Serial no:1218
Hobbs:2424.5

ACTT:2424.5
EngTT:224.5

Description of work accomplished

Pilot report: Engine tach reading low, Replaced RH Mag PN10-600646-201 w/ overhauled SN E17BA223R Ground run ops check good ,Flight check good. This aircraft approved for return to service

David L Beach
David L Beach A&P 2776601



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:08/25/2020

Reg no:N7507X
Serial no:1218
Hobbs:2497.7

ACTT:2497.7
EngTT:297.7

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual ,SB1080 and SB480F
Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 75/80 Cyl#2: 78/80 Cyl#3: 78/80 Cyl#4: 78/80 Cyl#5: 78/80 Cyl#6 77/80.
C/W SB388C #1 .018 #2 .018 #3 .017 #4 .018 #5 .017 #6 .018
Verified Throttle correlation .020. Removed, inspected, reinstalled and Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was Determined to be in airworthy condition. This aircraft is approved for return to service.

David L Beach
David L Beach A&P 2776601



Helicopter Adventures
1860 21st Ave North
myrtle Beach, SC 29577

Date:09/6/2020

Reg no:N7507X
Serial no:1218
Hobbs:2540.1

ACTT:2540.1
EngTT:340.1

Description of work accomplished

Pilot report: Overspeed 110% (4.7 %) C/W overspeed Inspection IAW Lycoming SB369L and RHC MM sec 2.540 no defects noted , Ground run check good ,Flight check good. This aircraft approved for return to service C/W SB 480F 50hr

David L Beach
David L Beach A&P 2776601

5/22/2017
Date: 4/10/2017

Description of work accomplished

I certify this engine has been inspected IAW 100hr inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.


David L Beach A&P 2776601



Date:6/9/2017

Reg no:N531BP ACTT:1151.0
Serial no:1379 EngTT:1151.0
Hobbs:1151.0

Description of work accomplished

David L Beach A&P 2776601

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DATE 04/11/2019

MODEL O-540-F1B5

ENGINE TOTAL TIME ¹¹⁵¹

TBO 2000

TRIAD
AVIATION

Triad Aviation, Inc.
Burlington Municipal Airport
3439 South Aviation Drive
Burlington, NC 27215
336-227-1467

Authorized Signature

04/11/2019

Date _____

Test ran Lycoming O-540-F1B5 engine serial number L-26288-40A for 2 hours 15 minutes, RPM 2800, oil pressure 79 lbs, oil temperature 185 degrees, CHT 305. Magneto check at 2100 RPM, L 125 RPM, R 125 RPM. Compression test cylinder #1 78/80 #2 79/80 #3 78/80 #4 79/80 #5 79/80 #6 77/80. 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# 23471

Signed: Thomas M. Kushech Date: 04/11/2019



Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:02/23/2020

Reg no: N7507X ACTT :2200.0
Serial no :1218 EngTT:0.0
Hobbs: 2200.0

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual, SB1080 and SB480E
Drained oil and serviced system with 8 qrts of engine aeroshell 100W mineral oil
Installed overhauled Engine 0540-F1B5 snL-26288-40A IAW RHC MM
Verified Throttle correlation .020. Verified magneto timing.25deg
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming SI s and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW a 100 hr inspection requirements and was Determined to be in airworthy condition. This aircraft is approved for return to service.


David L. Beach A&P 2776601

6/5/20

2750.0

C/W 5B 480F or a Filter change

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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:02/11/2017

Reg no:N531BP ACTT:881.6
Serial no:1379 EngTT:881.6
Hobbs:881.6

RK

Description of work accomplished

Removed installed starter P/N BC315-100-2 S/N 1A60L7U54. Installed New starter P/N BC315-100-2 S/N 1A60L9Y07 IAW RHC MM R44 Raven 1 also IAW Lycoming service ops manual. This aircraft is approved for return to service.

Nick Johnson A&P 3817598

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:2/28/2017

Reg no:N531BP ACTT:914.8
Serial no:1379 EngTT:914.8
Hobbs:914.8

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual and RHC R44 Raven 1 applicable engine inspection requirements.
Complied with SB-480E, Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 76/80 Cyl#3: 78/80 Cyl#4: 79/80 Cyl#5: 79/80 Cyl#6 77/80.
Verified Throttle correlation. Verified magneto timing.
Replaced mags W/ inspected sn 355 and sn 075
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW RHC MM R44 and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.

David L Beach A&P 2776601

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:03/11/2017

Reg no:N531BP ACTT:927.2
Serial no:1379 EngTT:927.2
Hobbs:927.2

Removed installed MR Blades P/N C016-7 S/N 0239/0419, MR Blade spindle P/N C158-1 S/N 12751/12752. Installed serviceable MR Blades P/N C016-2 S/N 5355A/5385A, MR spindle P/N C158-2 S/N 2972/2973. Complied with Lycoming sb 388c by inspecting exhaust valve guides IAW SB388c instructions. Readings as follows. #1: .023" #2:.023" #3:.020" #4: .021" #5:.023" #6:.018". All work performed IAW RHC MM R44 Raven 1 and IAW Lycoming service ops manual. This aircraft is approved for return to service.

Nick Johnson A&P 3817598

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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:03/21/2017

Reg no:N531BP ACTT:957.4
Serial no:1379 EngTT:957.4
Hobbs:957.4

Description of work accomplished

Replaced Cylinder #1 and #5 due to stuck oil ring IAW Lycoming overhaul manual. Replaced MAP gauge with overhauled unit sn#198195 installed. Ground run and flight check satisfactory

David L Beach A&P 2776601

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:4/10/2017

Reg no:N531BP ACTT:1013.8
Serial no:1379 EngTT:1013.8
Hobbs:1013.8

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual and applicable engine inspection requirements.
Complied with SB-480E, Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 0/80 Cyl#3: 78/80 Cyl#4: 79/80 Cyl#5: 79/80 Cyl#6 77/80.
Replaced #2 Cylinder with overhauled unit
Verified Throttle correlation. Verified magneto timing. Replaced air filter
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming service ops manual and 0540 overhaul manual

I certify this engine has been inspected IAW 100hr inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.

David L Beach A&P 2776601

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577



Date:5/5/2017

Reg no:N531BP ACTT:1063.8
Serial no:1379 EngTT:1063.8
Hobbs:1063.8

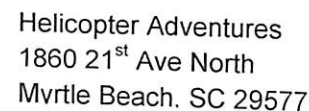
Description of work accomplished

C/W SB480E oil and filter change serviced with 8 quarts aeroshell 100w plus

David L Beach A&P 2776601

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N-Number:531BP	serial Number:1379	Date:12/16/2015
Total Time:523.4	Hobbs Time:523.4	Engine Time:523.4

C/W Annual engine inspection IWA Lycoming ops manual and si 1080
replaced spark plugs Changed oil and air filters serviced with 8 qts 100 W plus.
ground run ops check good I certify this engine was inspected for an Annual
and was determined to be in airworthy condition and approved for return to
service

David L Beach A&P 2776601IA

David L Beach A&P 2776601IA

Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:08/09/2016

Reg no: N531BP ACTT: 621.7
Serial no: ~~1386~~ 1379 EngT: 621.7
Hobbs: 621.7 NJ

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming O-540 operators manual and RHC R44 Raven 1 applicable engine inspection requirements.

Complied with SB-480E, Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.

Removed oil filter, Inspected and replaced with new P/N B123-2.

Inspected fuel screens. No fault found cleaned and reinstalled.

Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 76/80 Cyl#3: 78/80 Cyl#4: 79/80 Cyl#5: 79/80 Cyl#6 77/80.

Verified Throttle correlation. Verified magneto timing.

Complied with SI1129 alternator belt tension.

Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.

Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.

All work performed IAW RHC MM R44 Raven 1 and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.

Nick Johnson A&P 3817598

C/w SB 4806 DBRUL 2776651

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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:08/09/2016

Reg no:N531BP ACTT:721.4
Serial no:1386 ENG:721.4
Hobbs:721.4 *WJS*

Description of work accomplished

Complied with Engine Annual inspection IAW Lycoming 0-540 operators manual inspection requirements.
Complied with SB-480E, Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.
Removed oil filter, Inspected and replaced with new P/N B123-2.
Inspected fuel screens. No fault found cleaned and reinstalled.
Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 66/80 Cyl#3: 78/80 Cyl#4: 79/80 Cyl#5: 79/80 Cyl#6 77/80.
Verified Throttle correlation. Verified magneto timing.
Complied with SI1129 alternator belt tension.
Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.
Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.
All work performed IAW Lycoming service ops manual.

I certify this engine has been inspected IAW Annual inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.


David L Beach A&P 2776601 IA

10/20/16	772.7	C/W SB 4805 and Change	2776601
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Helicopter Adventures
1860 21st Ave North
Myrtle Beach, SC 29577

Date:11/22/2016

Reg no:N531BP ACTT:819.6
Serial no:~~1386~~ EngTT:819.6
Hobbs:819.6
S/W 1379 ^{NT}

Description of work accomplished

Complied with Engine 100hr inspection IAW Lycoming 0-540 operators manual and RHC R44 Raven 1 applicable engine inspection requirements.

Complied with SB-480E, Drained oil and serviced system with 8 qrts of engine aeroshell 100W plus.

Removed oil filter, Inspected and replaced with new P/N B123-2.

Inspected fuel screens. No fault found cleaned and reinstalled.

Complied with cylinder compression checks, results as follows: Cyl#1: 77/80 Cyl#2: 76/80 Cyl#3: 78/80 Cyl#4: 79/80 Cyl#5: 79/80 Cyl#6 77/80.

Verified Throttle correlation. Verified magneto timing.

Complied with SI1129 alternator belt tension.

Reviewed Engine records and airworthiness directives/ service bulletins Compliance records.

Complied with run up check, leak check, all operational checks and post maintenance flight. Results GOOD.

All work performed IAW RHC MM R44 Raven 1 and IAW Lycoming service ops manual.

I certify this engine has been inspected IAW 100hr inspection requirements and was found to be in airworthy condition. This aircraft is approved for return to service.


David L. Beach A&P 2776601

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ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. N 531 BP

Engine Manufacturer Lycoming

Model OS40-F1B5

Serial No. L-26288-40A

Date installed on aircraft 4/2/04

Time Between Overhauls (TBO) 2200 Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |

(All applicable information must be filled in)



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(631) 765-9375
1-800-235-6444

FAX: (631) 765-9359

ENGINE ACCESSORIES INSTALLED

OIL COOLER	STEWART WARNER	S/N	<u>1366</u>
RIGHT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N	<u>E03JA157</u>
LEFT MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N	<u>E03HA089</u>
ALTERNATOR	KELLY AEROSPACE	S/N	<u>D060548</u>
STARTER	B & C SPECIALTY PRODUCTS	S/N	<u>1203001210</u>
CARBURETOR	PRECISION AIRMOTIVE	S/N	<u>75442611</u>
IP SBR			

[illegible]

ENGINE LOG
EF5-1

R44
S/N: 1379