

107 JH

FRAM
CA6525
MADE IN MEXICO
060614

ENGINE LOG
EF5-1

R44 II
S/N: 11395

The subject aircraft was involved in an incident / accident on 7/19/2025 rendering it a Constructive Total Loss as not repairable within its insured value. For further details refer to insurance claim: 6013524216US.

Signed: ***Underwriters Salvage Company***

Date: **7/31/2025**

ALG Aerospace Adjustment Services Inc
3500 Lenox Road, Suite 1100

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

[illegible]

REPAIR & INSPECTION RECORD

[illegible]

H&A Aircraft Services, LLC
491 Blue Sky Lane
Hollister, MO 65672

870.654.4200
haaircraft@gmail.com

Model: Lycoming IO-540-AE1A5 SN: L-31420-48A REG: N197JP
Date: 03.21.2025 C-Hobbs: 1433.3 ETSN: 3633.3

- Completed 100hr Inspection per RHC R44 MM 2.4 and Lycoming Manual Sec 4
- Performed SI 1129D Inspected Alternator Belt and verified proper tension
- Replaced RH Magneto PN: 10-600646-201 SN: E11KA138
- Performed SB 643 Magneto Timing
- Performed SB 342 Injector line inspection, Replaced #2, #4, #5 and #6 lines with new.
- Removed Cylinders 2 thru 6 for overhaul. Overhauled by Tri-State Airmotive, Reinstalled overhauled cylinders with new rings, pistons, piston pins, and plugs, new shroud tube sleeves, springs, washers, and seals. Ref Lycoming SI1029D, SSP 1776-5
- Performed oil change, Serviced with 9qts Aeroshell 100 Mineral oil, Installed AA48108-2 Filter, Ref SI 1080, SB 480.
- Completed Post Maintenance Checks with no defects.

I certify this Engine has been Insp IAW 100hr inspection determined to be Airworthy and Returned to Service.

Henry Cook A&P 3430226

OR RECORD

- 5-20-2025, HOBBS 1492.4. Drained oil and replaced filter, Filled with 8 quarts of Aeroshell W15W50. Complied with AD 2024-21-02, due next at next oil change. Bruce Kropf Commercial 3790366

Bruce Kropf

- 6-1-2025, HOBBS 1551.9. Drained oil and replaced filter, Filled with 8 quarts of Aeroshell W15W50. Complied with AD 2024-21-02, due next at next oil change. Bruce Kropf Commercial 3790366

Bruce Kropf

- 6-12-2025, HOBBS 1585.4. Drained oil and replaced filter, Filled with 8 quarts of Aeroshell W15W50. Complied with AD 2024-21-02, due next at next oil change. Bruce Kropf Commercial 3790366

Bruce Kropf

DATE OF MFG.

AGENCY AND
CERTIFICATE NO.

AIRWORTHINESS DIRECTIVE / FACTORY BULLETIN COMPLIANCE RECORD

A.D./BU
NUMBER

H&A Aircraft Services, LLC
491 Blue Sky Lane
Hollister, MO 65672

870.654.4200
haaircraft@gmail.com

Model: Lycoming IO-540-AE1A5 SN: L-31420-48A REG: N197JP
Date: 06.17.2025 C-Hobbs: 1585.6 ETSN: 3785.6

- Removed left magneto, Installed Factory Rebuilt Magneto PN :BL-600616-9, SN: E23JA062R. Replaced magneto drive cushions, timed to 20deg BTDC.
- Adjusted idle mixture to 58 to 62% RPM.
- Engine run operational checks complete with no defects.

Henry Cook A&P 3430226

27 May 2025

C-Hobbs: 1520.6

CW AD 2015-19-07 By inspection of Fuel lines. no defects
next due 1630.6 *HC* A&P 3430226

26 June 2025

C-Hobbs 1614.4

CW AD 2015-19-07 By inspection of Fuel lines no defects next due 1729.4 *HC* A&P 3430226
Replaced CHT P/N 3080-3R

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
28 June 2024		Replaced alternator with new Replaced Field & ground wire to alternator Replaced Battery short. of 1 chd. good. A/P 7480224



1930 Airport Road
Lawrence, Ks 66044
(785) 842-0000
Repair Station No. VKDR861Z
Work Order # 24-8718

Engine Log
N197JP
Robinson R44 II
S/N 11395

Lycoming
IO-540-AE1A5
S/N: L-31420-48A

July 9, 2024
Hobbs Time: 1266.19 Hrs.
Total Time: Hrs.
Drained oil checked and replaced oil filter (P/N B123-2, AA48112). Serviced engine with Aeroshell 15W50. Ran engine, checked operation and oil filter for leaks. C/W AD 2015-19-07 BY INSPECTION OF FUEL INJ. CLAMPS. REPAIRS CITE #3 CLAMP.
I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at the agency under Work Order #24-8718.

Hetrick Air Services, Inc.
Lloyd A. Hetrick

Aug 30 2024	1395.4	Complied with Lycoming SB 342 110hr insp. Lines and clamps are good. Next due at 1505.4 hrs A/P 4259294
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REG. NO.	N197JP
MAKE	LYCOMING
MODEL	IO-540-AE1A5
S/N	L-31420-48A

MIDWEST AERO INC.
I.V. REGIONAL AIRPORT
4241 ED URBAN DR.
PERU, IL 61354

DATE	07/30/24
HOBBS	1311.55
ENG TT	
SMOH	

REMOVED AND REPLACED CYLINDER WITH OVERHAULED CYLINDER FROM POPLAR GROVE AIRMOTIVE - C/W AD 2015-19-07 BY INSPECTING FUEL INJECTION LINES IAW SB 342G, NEXT DUE AT 1411.55 HRS OR NEXT SYSTEM MAINTENANCE
THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARs - ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE

CODY WILLIAMS *Cody Williams* A&P 4078259 IA

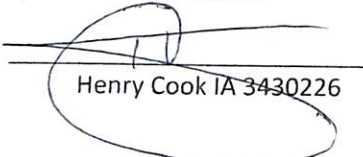
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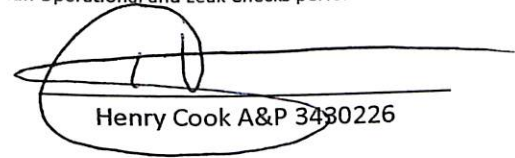
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ND
ENO.

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
H&A Aircraft Services, LLC 491 Blue Sky Lane Hollister, MO 65672 870.654.4200 haaircraft@gmail.com		
Model: Lycoming IO-540-AE1A5 SN: L-31420-48A REG: N197JP Date: 12.15.2023 Tach: 1097.6 SMOH: 1097.6 ETT: 3297.6		
100Hr insp performed in ref to Lycoming IO-540 Operators manual section 4. Compression test results: Cyl 1: 78/80; Cyl 2: 80/80; Cyl 3: 73/80; Cyl 4: 76/80; Cyl 5: 77/80; Cyl 6: 70/80. 100Hr SB643 completed in ref to TCM SB643C. Both Mags timed to 20° BTDC 100Hr SB 342 fuel line inspection complete in ref to Lycoming SB 342 100Hr Lycoming SI1129 Alternator Belt Tension complied with in ref to SI1129 - RH Magneto internal timing adjusted magneto e-gap in ref to bendix S20/S200 service support manual X42002-3 - RH mag ignition harness replaced with new M2463 harness - RH exhaust gaskets leaking replaced. Replaced exhaust tapes. - LH engine cooling panel spring steel replaced		
I certify this Engine has been Insp IAW a 100-hour Insp, determined to be Airworthy and Returned to Service.		
 Henry Cook IA 3430226		
4-13-24 Changed oil with Aerashell W15W-50 and changed filter. Hobbs 1121.9 Bruce Kroff Commercial Cert # 3790366 Bruce Kroff		
5-27-24 Hobbs 1146 Drained oil and replaced filter. Filled with 9 quarts of Aerashell W15W-50 Bruce Kroff Commercial Cert # 3790366 Bruce Kroff		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
H&A Aircraft Services, LLC 491 Blue Sky Lane Hollister, MO 65672 870.654.4200 haaircraft@gmail.com		
Model: Lycoming IO-540-AE1A5 SN: L-31420-48A REG: N197JP Date: 06.18.2024 C-Hobbs: 1164.1		
- Replaced Starter PN: BC315-100-4 - Replaced Left Magneto PN: 10-600616-9 SN: E11DA209 - Replaced Flow Divider PN: 2576526-1 SN: ACX3946 - Replaced SlickStart PN: SS10020 SN: 14049532 - All work accomplished IAW AC 43.13-1b referencing Lycoming and Robinson R44 MM. - Engine Run Operational and Leak Checks performed with no defects		
 Henry Cook A&P 3430226		
6-22-24 Hobbs 1191 Drained oil and replaced filter. Filled with 8 quarts of Aerashell W15W-50 Bruce Kroff Commercial Cert # 3790366 Bruce Kroff		
7-12-24 Hobbs 1300.0 Drained oil and filled with 8 quarts of Aerashell W15W-50 Bruce Kroff Commercial Cert # 3790366 10-6-24		
8-6-24 Hobbs 1364 Drained and filled with Aerashell W15W-50 Bruce Kroff Commercial Cert # 3790366		
Hobbs 1432.8 Drained oil replaced filter Filled with 8 quarts of Aerashell W15W-50 Bruce Kroff Commercial Cert # 3790366		

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
12/21/2021	1014.45	Changed oil with Phillips 20W-50 and oil filter AA48108-2
6/20/2022	1045.45	Changed oil and oil filter per form
8/17/2022	1048.74	New SPARK PLUGS REM 38E (x12) per form
6/25/2022	1045.5	Performed engine overspeed inspection IAW Lycomings SB369S. Engine overspeed during startup. Checked oil filter. Replaced oil filter. No damage or out of limit conditions present. Returned to service Jackie Sanders ATP 3697674

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		COPTERS Lycoming IO-540-AE1A5 SN L-31420-48A ACTT:3254.3/Hobbs:1054.3 11/04/2022 Performed 100HR inspection as per the Lycoming operations and Maintenance manual. Drained engine oil, removed/inspected filter (no defects noted). Installed new filter PN AA48108-2 and reserviced with 8 quarts of Phillips 20W50XC as per SB 480E. Complied with Lycoming SI 1080C. Inspected fuel lines per SB342F and AD 2015-19-07. Checked alternator belt tension as per Lycoming SI 1129B after installation of new B173-3. Installed new ring gear SL72566. Performed compression check as per SI 1191 #1 76/80 #2 77/80 #3 75/80 #4 77/80 #5 76/80 #6 72/80. Removed spark plugs, cleaned, tested and reinstalled. Checked mag timing. C/W SB388-C by reaming all Exhaust valve guides and installed new rocker shaft gaskets (66732). Cleaned gascolator screen. Installed new air filter C177-2. All work performed in accordance with the current Lycoming operations and maintenance manual. Run up leak check good. All AD's current thru 2022-22. I certify this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition at this time. Jeffery Dean Houseman, A&P3271820 <i>Jeffery Dean Houseman</i>

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/17/20	2812.1	Inspect engine IAW a 100hr inspection per Lycoming Operators Manual. Comp check as follows: #1 72/80 #2 72/80 #3 76/80 #4 73/80 #5 74/80 #6 76/80. Cleaned, gapped and tested all spark plugs. C/W SB 308C Valve guide inspection. I certify this engine has been inspected IAW a 100hr inspection and was determined to be in airworthy condition. 7961734 ASD

Date 7/6/21 Total Time : 2797.3 Hobbs : 797.3

Inspected engine IAW an 100hr inspection per Lycoming operators manual. Drained and replaced oil with 9 qts Aeroshell W15W-50 and replaced oil filter. Compression check as noted: #1 73/80 #2 74/80 #3 76/80 #4 73/80 #5 75/80 #6 76/1. Cleaned, gapped and tested all 12 spark plugs. Post inspection Run and leak check C/W, No defects noted. I certify that this engine has been inspected in accordance with an 100hr inspection and was determined to be in airworthy condition.

END

7961734
 ASD

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/13/21	3051.0	Replaced Both left and right mags With Freshly "Scrub" inspected mags. Replaced engine driven Fuel pump with a new part. ran and leak checked engine. No defects noted. END 7961734 ASD

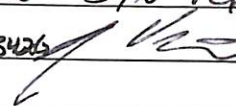
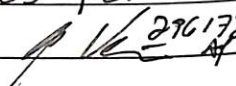
Date 9/20/21 Total Time : 3166.4 Hobbs : 766.4

Inspected engine IAW an 100hr inspection per Lycoming operators manual. Drained and replaced oil with 9 qts Aeroshell W15W-50 and replaced oil filter. Replaced cracked D730-1 manifold with a serviceable part. Replaced engine driven fuel pump gasket. Compression check as noted: #1 72/80 #2 74/80 #3 73/80 #4 75/80 #5 73/80 #6 74/1. Cleaned, gapped and tested all 12 spark plugs. Post inspection Run and leak check C/W, No defects noted. I certify that this engine has been inspected in accordance with an 100hr inspection and was determined to be in airworthy condition.

END

7961734
 ASD

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
8/3/17	2273.8	Removed #5 cylinder due to the Intake Valve Broke in flight. Replaced #5 cylinder w/ New Lycoming cylinder S/N PGA 7535-6 & C/W AD 2015-19-07 IAW SB 342G  2961724
8/24/17	2371.2	C/W AD 2015-19-07. Inspected fuel lines per SB 342G SOP 2. Next Due 2471.1 or Annual  2961724

Back Nine Aerial
Anders Vetch 2961724A&P
East Troy Municipal Airport

Date 10/20/2017 TT: 2410.4 N 1975P SN L-314D0-48A

Inspected engine IAW Lycoming operators manual, 100hr inspection. Drained oil replaced filter and serviced with 8 Qts AS15W 50. Compression check as noted: #1 78/80 #2 76/80 #3 80/80 #4 78/80 #5 80/80 #6 78/80. Cleaned, gapped and tested spark plugs. Replaced CHT probe with a new part from RHC. C/W AD 2015-19-07 inspection of steal fuel lines IAW (SB 342G Sup 2). Ran and leak check C/W. No defects noted.

I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition

END

 2961724 H

INSPECTION & MAINTENANCE RECORD

DATE 5/1/19 TOTAL 2583.8 Hobbs: 383.8

Inspected engine IAW an 100hr inspection per lycoming operators manual. Compression check as noted: #1 79/80 #2 76/80 #3 79/80 #4 78/80 #5 78/80 #6 78/80. C/W SB 388C. Cleaned, gapped and tested all 12 spark plugs. Post inspection Run and leak check C/W, No defects noted. C/W AD 15-19-07 IAW SB 342G inspection of steal fuel lines. I certify that this engine has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition

END

8/28/19 Hobbs: 501.7 / TTE: 2701.7
inspected engine IAW an 100hr inspection per lycoming operators manual. Compression check as noted: #1 79/80 #2 78/80 #3 79/80 #4 78/80 #5 78/80 #6 78/80. C/W SB 388C. Replaced all 12 spark plugs with new Tempest REM 38E. Replaced left and right mags with fresh 500 hr inspected mags S/N 66B21774 and E03LA172 (8130-3 included). Post inspection Run and leak check C/W, No defects noted. I certify that this engine has been inspected in accordance with an 100 hr inspection and was determined to be in airworthy condition

END

 2961724

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
7/27/15	1978.0	AD 2011-26-04 Engine Fuel lines Insp no discrepancies noted MFA gmm A+P 3686374
12/7/15	2071.5	Completed an Annual inspection Lycoming operators Manual. Removed Fuel Control S/N 70502403 and installed Service Fuel Control S/N 70502403 C/W AD 11-26-04 by inspecting Fuel injector lines for cracks. Cleaned gapped and tested spark plugs. Compression test as follows 77/80 78/80 75/80 77/80 74/80 I certify this engine has been inspected JAW an Annual/100hr inspection and has found to be in Airworthy condition JAW 2961724
11/30/16	2200.0	Engine was Removed From ACFT: S/N 11395, and sent to Poplar Grove Airmotive to F.O.M. JAW 2961724

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.			
MAKE	Lycoming	MODEL	IO-540-AE1A5	S/N	L-31420-48A
Total Time	2200.00	Hours	Time Since Major Overhaul		Hours
The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. (As detailed below) Pertinent details of repair are on file at this repair station under: Work Order # 8220 Date 27/Jan/2017 Removed cylinders and installed (6) cylinder kits P/N 05K21120 new from Lycoming. Installed magnetos left, P/N 10-600616-9, S/N E07LA047, and right, P/N 10-600646-201, S/N 66B21783 overhauled by Poplar Grove Airmotive. Installed fuel pump P/N AF15473 new from Tempest. Installed flow divider P/N 2576526-1, S/N 0AM9737 overhauled by D&G Supply. Supplied servo P/N 2576630-4, S/N 72GW4901 overhauled by Precision Airmotive. This engine was test run in an FAA Approved test cell and meets specification. See A.D. Compliance Record and Parts List for more details. -----END----- Poplar Grove Airmotive, Inc. Poplar Grove Airport, Poplar Grove, IL FAA Approved Repair Station #YYBR664L David Mason Signed for Poplar Grove Airmotive, Inc.					

04/10/17	2200.0	Installed Engine in Robinson R44 II S/N 11395
	Hobbs 0.0	W/ New oil and Filter. New engine mounts, front and rear. New air Filter. Test run and leak checked. No Defects Noted. Balanced Fan to 12 IPS. I certify this engine has been inspected JAW an Annual inspection and has been found to be in Airworthy condition JAW 2961724 END

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
11/13/14	1885.0	Completed An Annual Inspection IAW Lycoming operators manual. Drained and Replaced oil w/90TS Phillips 66 20W-50 and Replaced oil Filter w/new. Removed Spark plugs. Cleaned tested and Reinstalled. Comp test: $\frac{78}{41}$ $\frac{79}{26}$ $\frac{70}{43}$ $\frac{76}{45}$ $\frac{70}{45}$ $\frac{74}{46}$. I Certify this Engine has been Inspected IAW An Annual/100HR Inspection and has Found to Be In Airworth Condition. 2861724 FA
12/15	1936.0	CLW eng oil / Filter - change to synched eng oil. Luck ck good. 2861724 AP 22474942
02/16/15	1968.8	Engine experienced an overspeed of 1091°. Completed w/ overspeed inspection IAW Lycoming Service Bulletin 369. No defects noted. Replaced oil and Filter w/90TS Aeroshell 15W50. 2861724 AP

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
6/20/15	1971.6	Performed a 100hr inspection. C/W AD 11-26-04 by inspecting the injector fuel lines for leaks. Replaced C/C #1/3/5 intake tube gaskets. Comp test as follows: $\frac{78}{41}$ $\frac{79}{26}$ $\frac{70}{43}$ $\frac{76}{45}$ $\frac{70}{45}$ $\frac{74}{46}$. Cleaned gaskets and tested sparkplugs. I certify this engine has been inspected IAW a 100hr inspection and has Found to be in Airworthy Condition. 2861724 FA
7/27/15	1978.0	Disassembled Engine Installed new cam and cam followers Overhauled Crankshaft and Counter weights ref Poplar Grove W07163 SIN V537943 579. Installed new Crankshaft bearings, Rod bearings Rod bolts & nuts Overhauled #4 cylinder assembly, new #6 intake valve, new intake and exhaust keys (valve), new piston rings, gaskets assembled Engine. Ran engine changed oil with straight mineral oil. Performed engine runs, oil press & temp within limits, Mag test within limits. Adjusted fuel mixture & idle. Oil consumption within limits. Engine checks good. Work done ref Lycoming manual 60294-7. 2861724 AP 22474942

INSPECTION & MAINTENANCE RECORD

DATE

Date: 12/27/2013 Hobbs: 1805.5 Total Time: 1805.5

- 19. Fan Balanced to .10 IPS
- 20. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
- 21. AD's checked AD's thru 2013-24

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim

3021289 A&P / IA

BUD FARR AIRCRAFT SERVICE

East Troy Municipal Airport (57C)

Office: S.92 W.22440 Henneberry Ave. Big Bend, WI. 53103
(262) 662-5404

ffarr1@wi.rr.com

06-25-2014

Off Engine Magneto Service: Bendix P/N 10-600646-201 S/N E08EA237. (Full of Oil)
Installed new Carbon Brush and Oil Seal. Performed 500 hour Inspection and Lubrication per TCM Master Service Manual. Bench Check: OK.

F.E. FARR

A&P 399405006 IA

6/26/14 1808.5 Replaced L+R Mag Plus wire harnesses Remounted
RT Mag Anel Performed 500hr insp Insp Ref Bud Farr 6-25-14
Reinstall same Ref Lycoming mm & operation manual ops checked good.
OIA Dyd L+R 3686374

7-23-14

1831.3

Drained Oil + Replaced oil filter Replaced oil
w/ 8qts of Phillips 20w/50 Performed Run-
up. No leaks detected. QA 3213019 com

7-29-14

1862.0

Drained Oil Replaced oil with 8qts
20w/50 Phillips Performed Run-up
No leaks detected. QA 3213019 com

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
Date: 10/30/2013 Hobbs: 1725.0 Total Time: 1725.0		
At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson <u>J. Henderson</u> 3140037 Commercial Pilot		
Date: 11/05/2013 Hobbs: 1750.0 Total Time: 1750.0		
At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson <u>J. Henderson</u> 3140037 Commercial Pilot		
Date: 11/15/2013 Hobbs: 1775.0 Total Time: 1775.0		
At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson <u>J. Henderson</u> 3140037 Commercial Pilot		

INSPECTION & MAINTENANCE RECORD

Date: 12/27/2013 Hobbs: 1805.5 Total Time: 1805.5

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 77 (2) 76 (3) 75 (4) 78 (5) 76 (6) 77
4. Installed new REM38E Plugs and M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Phillips 100AW plus and 2 quarts of AVBLEND.
6. Installed the following engine baffles
 - a. D380-7, D380-3 (2)
7. Installed overhauled left magneto and new drive cushions 68H22624 and gasket 62224
8. New Alternator Belt Installed B173-3
9. New A/C Belt
10. Installed new A/C Compressor D777-1
11. Installed new oil Cooler C649-3
12. Installed new ring gear 72566
13. Installed new Starter BC315-100-4
14. New Crank Shaft Seal 13792 Installed
15. Installed new C771-2 Intake Filter
16. Installed new A701-10 Stainless tape on all exhaust joints
17. Installed D314-2 Shield Assembly
18. Cleaned gascolator screen and fuel injector nozzles

CONTINUED NEXT PAGE

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Date: 08/07/2013 Hobbs: 1625.0 Total Time: 1625.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 09/05/2013 Hobbs: 1650.0 Total Time: 1650.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 09/20/2013 Hobbs: 1675.0 Total Time: 1675.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Date: 10/12/2013 Hobbs: 1700.0 Total Time: 1700.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 77 (2) 76 (3) 75 (4) 78 (5) 76 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Phillips 100AW plus and 2 quarts of AVBLEND.
6. Complied with Lycoming SB388C (1) .024 (2) .022 (3) .020 (4) .020 (5) .022 (6) .020
7. Installed new C771-2 Intake Filter
8. Installed new Push rod tube seals
9. Cleaned gascolator screen and fuel injector nozzles
10. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
11. AD's checked AD's thru 2013-20

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique I Youakim

3021289 A&P / IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Date: 06/15/2013 Hobbs: 1525.0 Total Time: 1525.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 06/26/2013 Hobbs: 1550.0 Total Time: 1550.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 7/14/2013 Hobbs: 1575.0 Total Time: 1575.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

INSPECTION & MAINTENANCE RECORD

TOTAL	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Date: 7/25/2013 Hobbs: 1600.0 Total Time: 1600.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 77 (2) 76 (3) 75 (4) 75 (5) 76 (6) 76
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Phillips 100AW and 2 quarts of AVBLEND.
6. Installed new C771-2 Intake Filter
7. Cleaned gascolator screen and fuel injector nozzles
8. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
9. AD's checked AD's thru 2013-20

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim

[Signature] 3021289 A&P / IA

INSPECTION & MAINTENANCE RECORD

Date: 04/12/2013 Hobbs: 1425.0 Total Time: 1425.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 04/24/2013 Hobbs: 1450.0 Total Time: 1450.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot

Date: 5/5/2013 Hobbs: 1475.0 Total Time: 1475.0

At this time drained oil. Serviced Engine with 8 quarts of Phillips 100AW. Run up and Operational Check Performed. John Henderson J. Henderson 3140037 Commercial Pilot .

INSPECTION & MAINTENANCE RECORD

Date: 5/25/2013 Hobbs: 1500.0 Total Time: 1500.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 78 (2) 77 (3) 78 (4) 78 (5) 77 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Phillips 100AW and 2 quarts of AVBLEND.
6. Installed new C771-2 Intake Filter
7. Cleaned gascolator screen and fuel injector nozzles
8. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
9. AD's checked AD's thru 2013-12

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim D. Youakim

3021289 A&P / IA

INSPECTION & MAINTENANCE RECORD

DATE

Date: 3/13/2013 Hobbs: 1395.0 Total Time: 1395.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 77 (2) 76 (3) 75 (4) 78 (5) 76 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Phillips 100AW plus and 2 quarts of AVBLEND.
6. Removed engine and Cylinders #3 and #5. Repaired by Polplar Grove Airmotive. Installed cylinders with new gaskets and seals.
7. Installed the following engine baffles
 - a. D380-1, D380-7, D381-1, D380-10
8. Installed new engine mounts C653-1 and C653-2
9. Complied with Lycoming SB388C (1) .024 (2) .022 (3) .020 (4) .020 (5) .022 (6) .020
10. Installed new muffler assembly C169-32AWL and new exhaust gaskets 77611 (6)
11. Repalced Intake Pipe Gaskets 71793 and O-Rings 72711.
12. New Alternator Belt Installed B173-3
13. New Crank Shaft Seal 13792 Installed
14. Complied with 500 Hour Inspection on Left and Right Magneto (10-357586, 10-357426, 10-357165-1, 10-400615, 10-382585, 10-382584, 10-400507)
Installed on engine with new gaskets 62224 and new drive cushions 68H22624

NEXT PAGE

INSPECTION & MAINTENANCE RECORD

Date: 3/13/2013 Hobbs: 1395.0 Total Time: 1395.0 (Continued)

15. Installed new C771-2 Intake Filter
16. Installed new Gasket on Oil Filter Housing.
17. Cleaned gascolator screen and fuel injector nozzles
18. Fan Balanced to .10 IPS
19. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
20. AD's checked AD's thru 2013-05

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim

3021289 A&P / IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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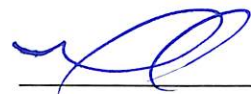
Date: 08/17/2012 Hobbs: 1280.0 Total Time: 1280.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 78 (2) 77 (3) 78 (4) 77 (5) 77 (6) 78
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
6. Installed new Starter Ring Gear P/N 72566, Alternator Belt P/N B173-3, and Engine Crank Shaft Seal P/N STD-1211
7. Installed O/H starter P/N BC315-100-4 S/N 1208241219
8. Fan Balanced to .11 IPS
9. Installed new C771-2 Intake Filter
10. Cleaned gascolator screen and fuel injector nozzles
11. C/W AD 11-26-04 Injector Fuel Lines and No trouble found
12. AD's checked AD's thru 2012-17

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim

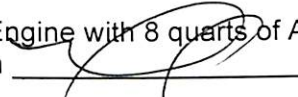


3021289 A&P / IA

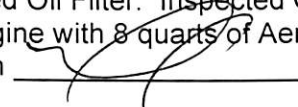
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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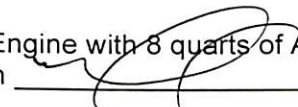
Date: 09/30/2012 Hobbs: 1305.0 Total Time: 1305.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 11/20/2012 Hobbs: 1330.0 Total Time: 1330.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 12/27/2012 Hobbs: 1370.0 Total Time: 1370.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

INSPECTION & MAINTENANCE RECORD

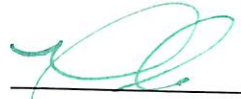
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.

Date: 07/18/2012 Hobbs: 1180.0 Total Time: 1180.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 79 (2) 77 (3) 76 (4) 77 (5) 78 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
6. New C771-2 Intake Filter
7. Cleaned gascolator screen and fuel injector nozzles
8. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
9. AD's checked AD's thru 2012-15

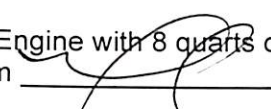
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

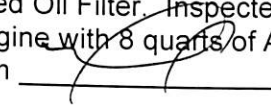
INSPECTION & MAINTENANCE RECORD

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

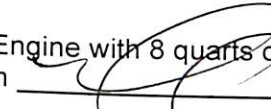
Date: 7/25/2012 Hobbs: 1205.0 Total Time: 1205.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 7/31/2012 Hobbs: 1230.0 Total Time: 1230.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 8/8/2012 Hobbs: 1255.0 Total Time: 1255.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

INSPECTION & MAINTENANCE RECORD

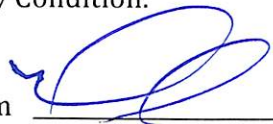
DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Date: 07/01/2012 Hobbs: 1080.0 Total Time: 1080.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 79 (2) 78 (3) 78 (4) 76 (5) 78 (6) 78
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
6. Complied with Lycoming Service Bulletin SB388C (1) .020 (2) .021 (3) .020 (4) .020 (5) .019 (6) .020
7. Installed new C771-2 Intake Filter
8. Cleaned gascolator screen and fuel injector nozzles
9. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
10. AD's checked AD's thru 2012-15

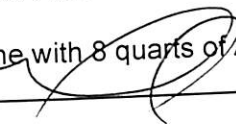
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

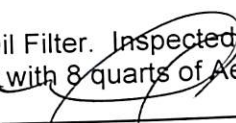
INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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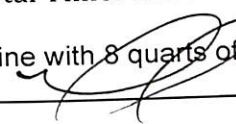
Date: 7/5/2012 Hobbs: 1106.0 Total Time: 1106.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 7/9/2012 Hobbs: 1135.0 Total Time: 1135.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 7/12/2012 Hobbs: 1155.0 Total Time: 1155.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

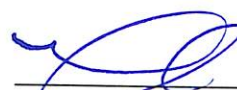
INSPECTION & MAINTENANCE RECORD

Date: 06/15/2012 Hobbs: 980.0 Total Time: 980.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 76 (2) 79 (3) 75 (4) 78 (5) 77 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
6. Installed overhauled left and right magnetos.
7. Installed new C771-2 Intake Filter
8. Cleaned gascolator screen and fuel injector nozzles
9. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
10. AD's checked AD's thru 2012-13

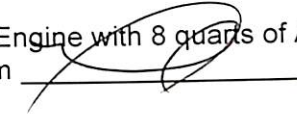
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

INSPECTION & MAINTENANCE RECORD

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

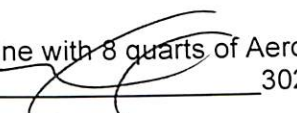
Date: 6/19/2012 Hobbs: 1005.0 Total Time: 1005.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 6/22/2012 Hobbs: 1030.0 Total Time: 1030.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 6/27/2012 Hobbs: 1059.0 Total Time: 1059.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

INSPECTION & MAINTENANCE RECORD

Date: 04/15/2012 Hobbs: 880.0 Total Time: 880.0

At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 78 (2) 78 (3) 76 (4) 77 (5) 78 (6) 77
4. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
5. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
6. Installed new C771-2 Intake Filter
7. Cleaned gascolator screen and fuel injector nozzles
8. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
9. AD's checked AD's thru 2012-05

I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

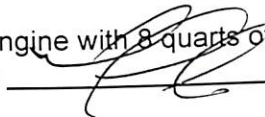
INSPECTION & MAINTENANCE RECORD

DATE

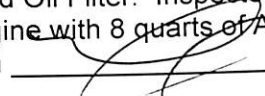
TOTAL
TIME

INSPECTION OR MAINTENANCE PERFORMED
AGENCY & CERTIFICATE NO.

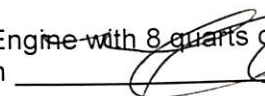
Date: 4/27/2012 Hobbs: 906.0 Total Time: 906.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 5/8/2012 Hobbs: 932.0 Total Time: 932.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 5/30/2012 Hobbs: 955.0 Total Time: 955.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 8/15/2011 Hobbs: 778.0 Total Time: 778.0

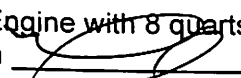
At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 79 (2) 78 (3) 77 (4) 76 (5) 78 (6) 77
4. Removed fan scroll and installed new engine crank shaft seal.
5. Fan assembly installed in accordance with Robinson Maintenance Manual.
6. Fan Balance Performed to .1 IPS
7. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
8. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
9. Installed new C771-2 Intake Filter
10. Cleaned gascolator screen and fuel injector nozzles
11. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
12. AD's checked AD's thru 2011-17

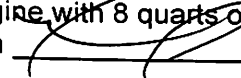
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

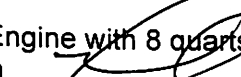
Date: 9/30/2011 Hobbs: 805.0 Total Time: 805.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 12/20/2011 Hobbs: 830.0 Total Time: 830.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 3/15/2012 Hobbs: 855.0 Total Time: 855.0

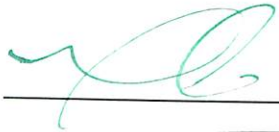
At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 7/25/2011 Hobbs: 678.0 Total Time: 678.0

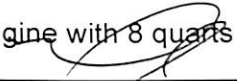
At this time performed a 100 Hour/Annual Inspection in accordance with Lycoming Maintenance Manual Maintenance Manual:

1. Drained Engine Oil and Removed Oil Filter
2. Inspected Oil Filter and No Trouble Found at this time
3. Compression as follows (1) 79 (2) 79 (3) 78 (4) 77 (5) 76 (6) 77
4. Installed new Acorn Welding Exhaust System C169-1 and left hand collector C169-55
5. Installed new A623-1 inlet for cabin heat
6. Installed overhauled electric fuel pump D743-1
7. Cleaned and gapped spark plugs and installed new M674 Spark Plug Gaskets
8. Installed new CH48108-1 Oil Filter, serviced engine with 8 quarts of Aeroshell 100W plus and 2 quarts of AVBLEND.
9. Installed new C771-2 Intake Filter
10. Cleaned gascolator screen and fuel injector nozzles
11. C/W AD 08-14-07 Injector Fuel Lines and No trouble found
12. AD's checked AD's thru 2011-14

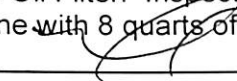
I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition.

Dominique J Youakim  3021289 A&P / IA

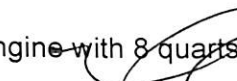
Date: 7/28/2011 Hobbs: 703.0 Total Time: 703.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 8/3/2011 Hobbs: 728.0 Total Time: 728.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

Date: 8/10/2011 Hobbs: 753.0 Total Time: 753.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim  3021289 A&P

ANCE RECORD

MAINTENANCE PERFORMED
CERTIFICATE NO.

Date: 6/30/2011 Hobbs: 528.0 TT: 528.0

At this time drained oil and removed oil filter. Oil filter cut open and inspected. Oil Sump Screen removed cleaned and inspected. Complied with Lycoming SB480. Serviced Engine with 8 quarts of Aeroshell 100 Plus Oil. Installed new CH48108-1 Oil Filter.

Run Up and Operational Check Performed

John Henderson #3140037 Commercial Pilot



Date: 7/7/2011 Hobbs: 553.0 TT: 553.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus.

Run Up and Operational Check Performed

John Henderson #3140037 Commercial Pilot

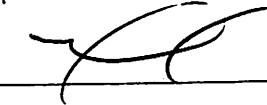


Date: 7/12/2011 Hobbs: 578.0 SNEW: 578.0

At this time performed a 100HR/Annual inspection in accordance with Lycoming Operators Manual. Drained engine oil. Removed and inspected oil filter and screen, No Trouble Found. Installed new CH48108-1 oil filter. Compression checked, (1) 79 (2) 79 (3) 78 (4) 77 (5) 76 (6) 77. Serviced spark plugs, installed new M-674 gaskets. Serviced engine with 8qts of Aeroshell 100W Plus oil and 2 cans of AVBLEND oil treatment. Installed new C771-2 intake filter. Cleaned gascolator screen and fuel injector nozzles. Lycoming SB388C performed at this time (1) .020 (2) .021 (3) .020 (4) .020 (5) .019 (6) .020. C/W AD 08-14-07 Injector Fuel Lines, NTF. Checked AD's through 2011-13.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy Condition.

Dominique J. Youakim 3021289 IA



Date: 7/14/2011 Hobbs: 605.0 Total Time: 605.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim 3021289 A&P

Date: 7/17/2011 Hobbs: 630.0 Total Time: 630.0

At this time drained oil and removed Oil Filter. Inspected Oil filter and No Trouble Found at this time. Installed new CH48108-1 and serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim 3021289 A&P

Date: 7/21/2011 Hobbs: 605.0 Total Time: 605.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus. Run up and Operational Check Performed. Dominique J. Youakim 3021289 A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
		 DATE: 4/5/2011 Hobbs: 425.0 At this time drained oil and removed filter. Complied with Lycoming SB480. Installed new CH48108 Oil Filter and serviced engine with 8 quarts of Aeroshell W 100 Plus. Run up and Operational Check performed. Aaron Pavesi  2779532 A&P
		 DATE: 5/15/2011 Hobbs: 450.0 At this time drained oil and serviced engine with 7 quarts of Aeroshell W 100 Plus. Run up and Operational Check performed. Aaron Pavesi  2779532 A&P

Date: 6/13/2011 Hobbs: 478.0 SNEW: 478.0

At this time performed a 100HR/Annual inspection in accordance with Lycoming Operators Manual. Drained engine oil. Removed and inspected oil filter and screen. No Trouble Found. Installed new CH48108-1 oil filter. Compression checked, (1) 79 (2) 79 (3) 78 (4) 77 (5) 76 (6) 77. Serviced spark plugs, installed new M-674 gaskets. Serviced engine with 8qts of Aeroshell 100W Plus oil and 2 cans of AVBLEND oil treatment. Installed new C771-2 intake filter. Installed new left and right magnetos. Cleaned gascolator screen and fuel injector nozzles. C/W AD 08-14-07 Injector Fuel Lines, NTF. Checked AD's through 2011-13.

I certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy Condition.

Dominique J. Youakim 3021289 IA

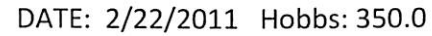
Date: 06/16/2011 Hobbs: 503.0 TT: 503.0

At this time drained oil. Serviced Engine with 8 quarts of Aeroshell 100W Plus.

Run Up and Operational Check Performed

John Henderson #3140037 Commercial Pilot



[illegible]

At this time drained oil and removed filter. Complied with Lycoming SB480. Installed new CH48108 Oil Filter and serviced engine with 8 quarts of Aeroshell W 100 Plus. Run up and Operational Check performed.

Aaron Pavesi  2779532 A&P

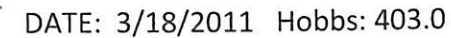


At this time performed 100 Hour / Annual Inspection in accordance with Robinson Helicopter Maintenance Manual and Lycoming Operators Manual. Engine Compressions were as follows (1) 75 (2) 74 (3) 76 (4) 78 (5) 76 (6) 75. Complied with AD 2008-14-07 Fuel Injection Lines. Drained oil, cut filter for inspection NTF, Complied with Lycoming SB480. Installed the following components CH48108-1, Intake gaskets and O-Rings on Cylinders #2, #4 and #5, Resealed #2 Exhaust Connection, Serviced Engine with 8 quarts of Aeroshell 100W Plus and 2 pints of AvBlend.

I certify that this aircraft has been inspected in accordance with a 100 Hour / Annual Inspection and determined to be in an airworthy condition.

Dominique J. Youakim

3021289 IA/A&P



- At this time drained oil and serviced engine with 7 quarts of
- Aeroshell W 100 Plus. Run up and Operational Check
performed.

Aaron Pavesi  2779532 A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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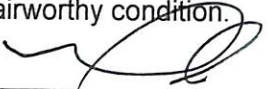
Central Illinois Air
CORPORATION

DATE: 11/1/2010 Hobbs: 278.5

At this time performed 100 Hour / Annual Inspection in accordance with Robinson Helicopter Maintenance Manual and Lycoming Operators Manual. Engine Compressions were as follows: (1) 78 (2) 79 (3) 79 (4) 78 (5) 79 (6) 78 Complied with AD 2008-14-07 Fuel Injection Line Inspection, Lycoming SB388C - all cylinders within acceptable limits: (1) .023 (2) .018 (3) .019 (4) .017 (5) .018 (6) .020. Drained oil and complied with Lycoming SB480, Installed the following new components: CH48108 Oil Filter, M674 Gaskets Engine serviced with 8 quarts of Aeroshell 100W Plus and 2 pints of AVBLEND.

Run up and Operational Check Performed

I certify that this aircraft has been inspected in accordance with a 100 Hour / Annual Inspection and determined to be in an airworthy condition.

Dominique J. Youakim  3021289 A&P/IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Central Illinois Air
CORPORATION

DATE: 1/21/2011 Hobbs: 300.0

At this time drained oil and removed filter. Complied with Lycoming SB480. Installed new CH48108 Oil Filter and serviced engine with 8 quarts of Aeroshell W 100 Plus. Run up and Operational Check performed.

Aaron Pavesi  2779532 A&P



Central Illinois Air
CORPORATION

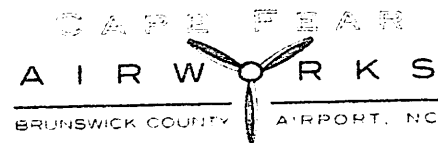
DATE: 2/12/2011 Hobbs: 325.0

At this time drained oil and serviced engine with 8 quarts of Aeroshell W 100 Plus. Run up and Operational Check performed.

Aaron Pavesi  2779532 A&P

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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910-232-2230/910-367-3344 www.CapeFearAirworks.com

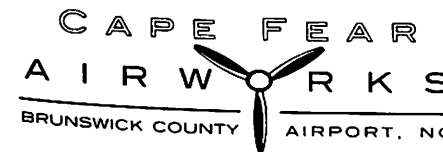
Date: 1/18/09 N197JP TAC: 256.1 hrs.

Complied with 100 hr inspection in accordance with FAR43 appendix D and CFA Engine Check List. Checked compression, drained oil, checked screen and filter, replaced filter, serviced with 9 qts of Aeroshell 100 mineral oil. Ran up and operation checked. Complied with AD 08-14-07 Injector line inspection and found airworthy. Complied with AD08-19-05 Titan Cylinders not installed. Complied with Lycoming service bulletin 388C.
I certify that this engine has been inspected in accordance with an annual inspection and was determine to be in airworthy condition.

Mechanic: [Signature] A&P 1824562IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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910-232-2230/910-367-3344 www.CapeFearAirworks.com

Date: 3/1/10 N197JP TAC: 264.6 hrs.

Complied with 100 hr inspection in accordance with FAR43 appendix D and CFA Engine Check List. Checked compression, drained oil, checked screen and filter, replaced filter, serviced with 9 qts of Aeroshell 100 mineral oil. Ran up and operation checked. Complied with AD 08-14-07 Injector line inspection and found airworthy. I certify that this engine has been inspected in accordance with an annual inspection and was determine to be in airworthy condition.

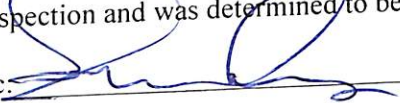
Mechanic: [Signature] A&P 1759842IA

INSPECTION & MAINTENANCE RECORD

DATE	TOTAL TIME	INSPECTION OR MAINTENANCE PERFORMED AGENCY & CERTIFICATE NO.
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Cape Fear Airworks, Inc. - Brunswick Co. Airport, NC
910-232-2230/ 910-367-3344

January 18, 2008 Hobbs: 217.9 hrs. Complied with 100 hour inspection. Drained oil, removed and inspected filter, no contamination found, replaced filter and added 9 quarts of Aeroshell 15W 50. Checked compression #1-70/80, 2-60/80, 3-67/80, 4-68/80, 5-78/80, 6-68/80. Cleaned injectors and spark plugs. Washed down engine & leak checked. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

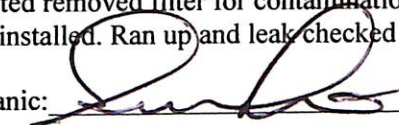
Mechanic:  A&P18245621A

3/29/08 220 Checked S/N of Fuel Control for AD 2008-06-57 and determined not applicable.
 A&P1824562

DATE	TOTAL TIME
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Cape Fear Airworks, Inc. - Brunswick Co. Airport, NC
910-232-2230/ 910-367-3344

N197JP June 20, 2008 Hobbs: 248.3 hrs. Replaced #2 cylinder, piston, rings, and seals with Lycoming new cylinder kit 05K21120 for low compression from exhaust valve. Changed oil 9 qts. Aeroshell 100 Straight Mineral Oil. Changed filter and inspected removed filter for contamination. Cleaned and gapped lower spark plugs and reinstalled. Ran up and leak checked OK.

Mechanic:  A&P1824562



ROBINSON R44 II S/N: 11395 N197JP
LYCOMING IO540-AE1A5 S/N L31420-48A

May 22, 2007 Hobbs: 133.3

1. Drained oil; opened filter for inspection. No contaminants noted.
2. Installed new CH48108-1 oil filter; torqued & safetied.
3. Serviced engine with 9 quarts Aeroshell 15W50 oil.
4. Post-maintenance ground run normal; no leaks noted.

The maintenance operations described above were accomplished in accordance with the Robinson R44 II and Lycoming IO540-AE1A5 Maintenance Manuals, as applicable, & have been inspected, and with respect to work performed, the aircraft is approved for return to service for corrected items. Details are on file at this Repair Station under Work Order 6048.



AJ Outlaw, CRS S8AR675W
Segrave Aviation, Kinston, NC



segrave
aviation

ROBINSON R44 II S/N: 11395 N197JP
LYCOMING IO540-AE1A5 S/N L31420-48A

March 13, 2007 Hobbs: 99.0

1. Installed repaired starter ring gear support assembly P/N 31M22972, S/N 5005.
2. Installed new starter P/N 149-24HT/4, S/N H4M-490604.
3. Satisfactory Post-Maintenance ground run & test flight accomplished; no defects noted.

The maintenance operations described above were accomplished in accordance with the Robinson R44 II and Lycoming IO540-AE1A5 Maintenance Manuals, as applicable, & have been inspected, and with respect to work performed, the aircraft is approved for return to service for corrected items.

Joseph C Williams, A&P 239576285
Segrave Aviation, Kinston, NC

INSPECTION & MAINTENANCE RECORD

DATE



ROBINSON R44 II S/N: 11395 N197JP
LYCOMING IO540-AE1A5 S/N L31420-48A

February 28, 2007 Hobbs: 94.8

1. Accomplished Pre-Inspection ground run.
2. Conducted a 100 Hr Inspection, using the Lycoming IO540-AE1A5 M/M Inspection Checklist as a guide.
3. Researched Airworthiness Directives through Bi-Weekly 2007-04F.
4. Checked compression, as follows: #1=72/80; #2=73/80; #3=75/80; #4=72/80; #5=70/80; #6=70/80.
5. Drained oil; opened oil filter for inspection: no contaminants noted.
6. Installed new CH48108-1 oil filter; torqued & safetied.
7. Serviced engine with 10 quarts Aeroshell 15W50 oil.
8. Satisfactory Post-Inspection ground run accomplished with no leaks or defects noted.

The maintenance operations described above were accomplished in accordance with the Robinson R44 II and Lycoming IO540-AE1A5 Maintenance Manuals, as applicable, & have been inspected, and with respect to work performed, the engine is approved for return to service for corrected items. The inspection was conducted using the Robinson R44 II and Lycoming IO540-AE1A5 Maintenance Manual Inspection Checklists as a guide. I certify that this engine has been inspected in accordance with a 100 Hour Inspection and is determined to be in airworthy condition.

Joseph C Williams, A&P 239576285 IA
Segrave Aviation, Kinston, NC, 28504

INSTALLATION RECORD

[illegible]

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter 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-31420-48A
DATE 6/21/06 [Signature]
(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

Form No. 777-B (Rev. 3/03)

LYCOMING ENGINES

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

ENGINE DESCRIPTION

MANUFACTURER LYCOMING MODEL IO-540-AE1A5
SERIAL NUMBER L-31420-48A DATE OF MANUFACTURE 21 JUN 2006

RATED BHP _____ RPM _____ MANIFOLD PRESSURE _____

FUEL REQUIRED OCTANE/PERFORMANCE 100LL

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____

REGISTERED OWNER _____

STREET & NO. _____

CITY, STATE, ZIP _____