

THE  
**adlog**<sup>TM</sup>

**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
				<b>TOTALS</b> brought forward from previous page
6-27-01			1920	Start AD Log system this Date Close Log JEL ATP185488948
11-15-01			1928	Remove and Replace #2 Ex Riser ing New Baskets and NUTS #1754009-1 ops chkd good JEL ATP185488949
				Forms an Annual insp Loges All controls Differ Chkd 1/20 2/26 3/23 4/28 ing oil and clean screen screws with shell 15-50 Clean and Gapped plugs
				Replace and filter (Replace 1 EGT probe Chokes Ex
				"I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition." GARY W. ROACH A & I 185488949 JEL
2-3-03			1926	Replace muffler with new clean and Gapped plugs Replace seat for fuel stalled Engine Down Rescued #1 cyl flange Reinstalls using A4 New NUTS and lock washers JEL ATP185488949

**SERVICEABLE**  
Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name: Falcon Air Inc  
Work Order No. 73861  
Date: 11/13/01  
Inspected by: [Signature]

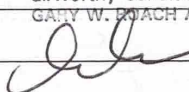
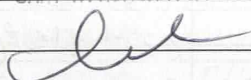
**Dawley Aviation**  
140 Industrial Dr.  
Burlington, WI 53105  
1-800-338-5420  
FAA CRS No. NJ5R069N

**SERVICEABLE**  
Pertinent details of the exhaust system component repairs are on file at this repair station under:

Name: Falcon Air  
Work Order No. 78535  
Date: 1-21-03  
Inspected by: [Signature]

**Dawley Aviation**  
140 Industrial Dr.  
Burlington, WI 53105  
1-800-338-5420  
FAA CRS No. NJ5R069N

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6-12-03	1920			Performs An Annual insp Lubed All controls, Cond Diff comp Check 1/71 2/72 3/73 4/76 Cleans and Gapped plugs Changed o-l and Checks screen, Checked Ex Repro ar-fiter washed Engine Down Repro Run on muffle Tester Dipstick "I certify that this aircraft/engine has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition." GARY W. BOACH A & I 185488949 
6-20-04	1928			Performs An Annual insp Lubed All controls Cond Diff comp check 1/94 2/72 3/71 4/72 Change o-l and cleans screen Checks Ex Repro ar-fiter washed Engine Down Run up "I certify that this aircraft/engine has been inspected in accordance with an <u>annual</u> inspection and was determined to be in airworthy condition." GARY W. BOACH A & I 185488949 
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6-16-05			1934	Performs an annual insp Lubes all controls COND DFF comp Check 1/68 2/68 3/73 4/90 changes oil AND Clean screen Cleas AND Gappes plugs Check Re TEY washs Engine Down  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition." GARY W. ROACH A & I 185488949 <i>JL</i>
6-20-06			1948	Performs an annual insp Lubes All controls comp Check 1/71 2/73 3/71 4/70 Changes oil AND Checks screen Checks Eng timing Checks Exhaust Cleas Gappes plugs washes Engine Down  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition." GARY W. ROACH A & I 185488949 <i>JL</i>
6-2-07			1961	Performs an annual insp Lubes All controls comp Check 1/75 2/76 3/74 4/72 Changes oil AND Checks screen Cleas AND Gappes plugs Checks timing Checks Exhaust Replaces air filter washes Engine Down  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition." GARY W. ROACH A & I 185488949 <i>JL</i>
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6-22-08			1983	Performs the annual insp Leds all controls Comp Check 1/73 2/75 3/72 4/73 Changes oil as Checks screens Cleans the Supps plugs Checks EXHAUST Replaces Air filter washes Engine Down  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and is determined to be in ai condition." G. ROACH A & I 185488949  Jil
3-4-10			1998	Performs the annual insp Comp Check 1/70 2/71 3/75 4/73 Leds all controls Changes oil as Checks screens Checks mag timing Cleans + Supps plugs Checks EXHAUST Replaces Air filter washes Engine Down Run up  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and is determined to be in ai condition." G. ROACH A & I  Jil 3463540
3-25-11			2011	Performs an Annual insp Leds all controls Comp Check 1/68 2/69 3/71 4/76 Changes oil as Checks screens Checks as Adjusts timing Cleans the Supps plugs Check EXHAUST washes Engine Down Run up  "I certify that this aircraft/engine has been inspected in accordance with an <u>Annual</u> inspection and is determined to be in ai condition." G. ROACH A & I  Jil 3463540
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
2012			
10/26	2021.1		2021.1

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

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COMP checked #1 ~~71~~ #2 ~~72~~ #3 ~~65~~ #4 ~~68~~  
 DRAINED OIL - CLEANED  
 SCREEN - REPLACED WITH  
 7QTS Aeroshell W80  
 REPAIRED Baffle seal  
 BURK TIT8071 - checked  
 EXHAUST SYSTEM - hoses  
 & clamps. Replaced AOR  
 FILTER ELEMENT B.A.G.108  
 BURK out AD624215

DATE 10/26/12  
 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FAA AND WAS DETERMINED TO BE AIRWORTHY AND FIT FOR SERVICE.  
 David R. Jewell  
 SIGNED

**Jewell Aviation Inc.**

418 Airport Rd.  
 P.O. Box 623  
 Kennett, MO 63857  
 573-888-5846  
 www.jewellaviation.com

Make:	Lycoming
Model:	O-320-E2D
Serial#	L-35208-27A
Date:	10/1/2012
Tach Time:	2032
SMOH:	00.0

wrong year

This date removed engine for overhaul and disassembled and inspected in accordance with Lycoming Overhaul Manual. All aluminum parts were dye-penetrant inspected. All steel parts were magnafluxed including: crankshaft, connecting rods, gears, etc... All parts were dimensionally inspected and the connecting rods were checked for alignment. The following new parts were installed: rod bolts and nuts, rod and main bearings, certified camshaft (see tag) and new lifter bodies, oil pump kit with housing, vernatherm, oil pressure spring and ball. Installed all new Superior Cylinder Assemblies Part# SL32006W-A21P, see form 8130-3; with all new valves, valve guides, pistons, piston rings, rocker shafts, rocker shaft buttons and rocker covers. Not included in kits but installed, were piston pins. Engine was assembled using new hardware, seals, safety clips, hoses, etc... Complied with the following AD's: 96-09-10C Oil Pump Gears were replaced, 2004-10-14C Crankshaft gear bolt was replaced, complied with Service Bulletin 505 and AD98-17-11 on corrosion in crankshaft stamped PID. Slick Ignition Kit K4516-40 Installed, Carburetor was replaced with Factory Overhauled MA-4SPA assembly, see form 8130. All work done in accordance with Lycoming Overhaul Manual. Reinstalled engine using new Barry Mounts, filled with 8 Qts Aeroshell SAE50 and test ran engine I/A/W Lycoming SI 1427. Test flew aircraft two hours, all systems checked good. Use Aeroshell Straight Mineral Oil for break-in period.

David Jewell ACP3036572

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### Jewell Aviation Inc.

418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com

Make:	Lycoming
Model:	O-320-E2D
Serial#	L-42633-27A
Date:	10/1/2013
Tach Time:	2032
SMOH:	00.0

This date performed an annual inspection on this engine. Engine was overhauled this date, see previous entry for details. Performed compression check on cylinders, all checked good at 78/80 or above. Complied with the following AD's: 96-09-10C dated 7/15/1996 Oil Pump Gears, 2004-10-14C dated 6/25/2004 Crankshaft Gear Inspection and Installation. Test run engine, all systems checked normal. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*David Jewell IA 3036572*

### Jewell Aviation Inc.

418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com

Make:	Lycoming
Model:	O-320-E2D
Serial#	L-42633-27A
Date:	10/1/2014
Tach Time:	2090.1
SMOH:	58.10

This date performed an annual inspection on this engine. Performed compression check on cylinders: 1. 79 2. 79 3. 79 4. 79. For a complete list of AD's see compliance record. Test run engine, all systems checked normal. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*David Jewell IA3036572*

2-27-15 ALTERNATOR CHANGED This Date - See AIRFRAME LOG ENTRY

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### Jewell Aviation Inc.

418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com

Make:	Lycoming
Model:	O-320-E2D
Serial#	L-42633-27A
Date:	10/20/2015
Tach Time:	2145.1
SMOH:	113.1

This date performed an annual inspection on this engine. Performed compression check on cylinders: 1. 78 2. 78 3. 78 4. 78. Drained oil and inspected filter for metal, none found. Filled engine with 8qts Aeroshell 15W50. For a complete list of AD's see compliance record. Test run engine, all systems checked normal. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*David Jewell JA 3036572*

6-1-16 2185.7

This date drained oil and inspected filter for metal, none found. Filled with 8 qts Aeroshell 100wt and ran engine. Returned to service after test run.

*David Jewell AOP 3036572*

### Jewell Aviation Inc.

418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com


Make:	Lycoming
Model:	O-320-E2D
Serial#	L-42633-27A
Date:	10/19/2016
Tach Time:	2231.1
SMOH:	199.1

This date performed an annual inspection on this engine. Performed compression check on cylinders: 1. 78 2. 78 3. 78 4. 79. Drained oil and inspected filter for metal, none found. Filled engine with 8qts Aeroshell 15W50. For a complete list of AD's see compliance record. Test run engine, all systems checked normal. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

*David Jewell JA 3036572*



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
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10/6/17	tach: 2329.0 ETT: 2329.0 SMOH: 297.0			Completed Annual Insp. IAW FAR43(d) & Lyeoring 0-320 Service Manual. Compression test ① 76/80 ② 75/80 ③ 76/80 ④ 62/80-exh Valve. Removed #4 cylinder For Repairs at Premier Aircraft - See Form 8130-3 tag. Installed Repaired cylinder. Changed oil with 7qts Aeroshell 100 - Straight mineral oil; oil Filter Insp. Good. Installed New CH48110-1 Filter. Retimed Both mags to 25°. Installed 4 new Rocker Cover Gaskets PIN 75906, Engine Ground Run OPS & Leak ✓ and Returned to Service /Keith B. Hayes AP2815927IA #
N9637Q 02-05-2019				tach: 2383.0 ETT: 2383.0 SMOH: 351.0
Completed Annual Insp. IAW FAR43(d) and Lyeoring Service M. Changed oil & Filter, Filter Insp. Good. Comp. test: ① 76/80 ② 75/80 ③ 76/80 ④ 76/80 Cleaned, Gapped, tested spark plugs. Engine Ground Run, Leak and OPS ✓ Good and Returned to Service. /Keith Hayes AP2815927IA				
06/11/19			2417.3	Drained oil and replaced oil filter (CH 48110-1) Inspected oil filter for metal None found. Filled engine with 7qts Aeroshell 100w and ran engine. Returned to service after test /Keith Hayes AP 305556/
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09/05/19	<del>2503.2</del>	471.2	2503.2	09/05/2019 Tach 2503.2 Drained oil and replaced oil filter (CH 48110). Inspected oil filter for metal, NONE found. Filled engine with 8 qts Aeroshell 100w and ran engine. Returned to service after engine run. Kevin Hester A&P 3055561 
2-22-20 Tach: 2512.2 ETT: 480.2 ESMOH: 2512.2 completed Annual Insp. IAW FAR 43(d) compression test: ①76 ②75 ③76 ④75 Cleared, Gapped, tested sparkplugs, Checked Engine Timing - Good Engine Ground Perm, Leak & OPS ✓ Good and Returned to Service Kevin Hester AP285927 IA #				
10/14/20	<del>2532.1</del>		2532.1	Drained and Replaced Oil 100 Filter (CH 4810-1). Inspected Oil filter for Metal found NONE. Filled engine w/ 8 qts Aero shell 100w and Ran engine and checked for leaks & found NONE. Returned to service ✓ Kevin Hester A&P 3055561
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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
	2553.0			TOTALS brought forward from previous page
8/22/20			2553.0	Drained + Replaced Oil w/ <sup>Aeroshell</sup> 80w + Oil Filter (CH48110) Inspected for metal found NONE. Filled engine w/ 8qts Aeroshell 80w and Ran Engine + checked for leaks + found NONE Returned to Service. <i>[Signature]</i> A+P 3055561



Phantom Aircraft Services

N#: N9437Q TACH: 2599.0 ETT: 2599.0 SMOH: 567.0 DATE: 2/18/2021

Completed a 100 Hour Inspection IAW the scope and details of FAR 43 Appendix D requirements using Manufacturers Maintenance Manual 100Hr inspection checklist as a guide. Compression Results: 1) 76/80 2) 74/80 3) 74/80 4) 76/80. Oil and filter changed. Mag timing reset. All spark plugs cleaned, inspected and reinstalled with anti-seize and new gaskets. Induction air filter cleaned, inspected, re-charged and reinstalled. Carb bowl drained and plug re-safety wired. C/W Power Flow ICA. Exhaust system removed, inspected, all slip joints anti-seized and reinstalled with new flange gaskets and hardware. Due every 12 months. Repaired rt front rubber baffle seal.

I certify that this **Engine** has been Inspected IAW a **100 Hour** Inspection and was determined to be in Airworthy condition.

W/O: 21-0013

*[Signature]*  
Rick Brisby AP31018241A

04/19/2021			2639.2	Drained Oil + replaced oil filter (CH48110) Re-filled engine w/ 7qts of Aeroshell 80w and Ran engine + checked for leaks and found None. Return to Service <i>[Signature]</i> A+P 3055561
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**N9637Q Tach: 2648.9 ETT: 2648.9 SMOH 0.3 10/18/2021**

The Lycoming O320E2D Engine SN L-42633-27A was removed for prop strike inspection June 20<sup>th</sup> 2021, and shipped to Jewell Aviation INC, 418 Airport Road, Kennett, MO 63857. Major overhaul of this Engine was performed by Jewell Aviation INK. On this date the overhauled Lycoming O320E2D Engine SN L-42633-27A was reinstalled IAW CSM D972-4-13 Chapter 11. Opps check and ground run is satisfactory at this time. With respect to the work performed, I certify this ENGINE is Airworthy and approved for return to service.

**OCT 18, 2021.**

*Zachary Maurice*  
Zachary Maurice, AP4028825

**Jewell Aviation Inc.**  
418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com

Make:	Lycoming
Model:	O-320-E2D
Serial#	L-42633-27A
Date:	6/22/2021
Tach Time:	_____
SMOH:	000.0

On this date received engine for overhaul. Completely disassembled engine and cleaned all parts. All aluminum parts were dye-penetrant inspected. All steel parts were magnafluxed including: crankshaft, connecting rods, gears, etc... All parts were measured for dimensional inspection and the connecting rods were checked for alignment. All parts were dimensionally inspected in accordance with Lycoming table of limits SSP-1776. Installed the following new parts I/A/W SB240W: connecting rod bolts and nuts, Camshaft, 15B26262 lifter tappets, lifter plunger assemblies, connecting rod bearings, main bearings, oil pump housing, oil pressure ball and spring. Cylinders were replaced with SL32006W-A20P Assemblies with new piston pins, serial# 326W000003: 056, 052, 058, 060. This date modified engine with STC SE8987SW-D in accordance with RAM Aircraft Drawing

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No. 1724, Rev. C, dated 4/17/2006, or later FAA approved revision to increase take off power rating from 150HP to 160HP and to increase take off and maximum continuous power rating from 150HP to 160HP. Parts not listed in 240W were found to be in new/serviceable limits and reinstalled in engine. The engine was assembled using new keepers, snap rings, seals, gaskets, hoses, hardware, etc.. No other accessories were received with engine. No accessory related AD's were compiled with. *Complied with the following AD's: 2017-16-11 Connecting Rods n/a not reworked, 96-09-10C dated 7/15/1996 Oil Pump Gears, 2004-10-14C dated 6/25/2004 I/A/W Service Bulletin 475C on the crankshaft gear.* All work done in accordance with Lycoming Overhaul Manual 60294-7. Engine overhaul will be complete after test run in accordance with SI1427B and Overhaul Manual 60294-7. Use Aero Shell non-detergent for break in period.

*David Jewell AP3036572*

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AHS AERO 541 4th Road  
Airmotive Services & Support, LLC  
Corvallis, OR 97333

**N9637Q Tach: 2648.9 ETT: 2648.9 SMOH 0.3 10/18/2021**

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80 #2 78/80 #3 78/80 #4 78/80. Engine was serviced with 7 QT of Aeroshell 80 mineral oil and CH48110-1 oil filter. Engine is recently installed and currently under break in procedures IAW Lycoming braking procedures SI 1420C, until Tach: 2690.0. (See Airframe Logbook Entry dated 10/18/21 and Aircraft Maintenance Records for details) Opps check and ground run is satisfactory at this time. With respect to the work performed, I certify this ENGINE has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

OCT 20, 2021.

*Zachary Maurice*  
Zachary Maurice, AP4028825



AHS AERO 541 4th Road  
Airmotive Services & Support, LLC  
Corvallis, OR 97333

**N9637Q Tach: 2713.8 ETT: 2713.8 SMOH: 65.2 SN: L-42633-27A 2/20/2022**

On this date a 50 HR inspection and engine oil service was performed IAW Cessna Service Manual or "(CSM) D9072-4-13" Section 2 as a guide. Pre Service run up and opps check was performed and found erroneous oil pressure and Fuel level indications. Diagnostics confirmed that the indicating instrument clusters were faulty. Fuel Level and Oil Indication Clusters were removed and replaced with serviceable used (Fuel Level Cluster PN: C669511-0102), (Oil Indication Cluster PN: C669512-0102). IAW CSM Section 15, Para 15-16 and 15-19. Engine and engine compartment were visually inspected. Oil leak found at Oil Fill/Oil Level tube. Tube was removed, threads cleaned fuel lube was applied to base gasket, reinstalled, torqued and safety wired. No other discrepancies noted at this time. Engine was serviced with 8 quarts of Aeroshell W80 and AA48110-2 engine oil filter. Engine and cowlings were solvent washed. Removed filter was dismantled and inspected for debris, no discrepancies noted at this time. Post service opps check and run up was satisfactory at this time. With respect to the work performed, I certify this Engine has been inspected and serviced IAW CSM 50HR inspection/service and was determined to be in Airworthy condition and approved for return to service.

Feb 20, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333

Date: 02/20/2022

TT SMOH 89.3 Tach 2737.9 Eng TT 89.3 Serial# L-42633-27A

Completed a **100 Hour** Inspection IAW FAR 43 appendix D. Compression test: #1Cyl 77/80, #2Cyl 74/80, #3Cyl 76/80, #4Cyl 74/80. Cleaned, gapped and tested spark plugs. Checked engine timing. Engine ground run, no leaks detected, Ops Check Normal. Removed and cleaned and serviced air filter IAW Challenger Air filter Cleaning Instructions doc #4003, Revision D 08/31/2005. Exhaust has been inspected IAW PowerFlow PFS-13204, SN 1446. I certify that this engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition at this time.

Signed:  
Kevin Hester  
AP3055561


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**N9637Q Tach: 2764.0 ETT: 2764.0 SMOH: 115.5 SN: L-42633-27A 3/24/2022**

On this date a 50 HR inspection and engine oil service was performed IAW Cessna Service Manual or "(CSM) D9072-4-13" Section 2 as a guide. Pre Service run up and opts check was performed and landing light was found to be inoperable. Diagnosis: positive wire pulled loose of electrical -10 eyelet terminal. Removed broken terminal connector and replaced with new, opts check is satisfactory at this time. Engine and engine compartment were visually inspected. Minor oil leak found at crank case half flange on bottom front of the engine. Cleaned area with mineral spirits, and retorqued crank case bolts, noted in AC Maintenance Records, the repair is verified, and to be re-inspected in 50 hours. No other discrepancies noted at this time. Engine was serviced with 8 quarts of Aeroshell W80 and AA48110-2 engine oil filter. Engine and cowlings were solvent washed. Removed filter was dismantled and inspected for debris, no discrepancies noted at this time. Post service opts check and run up is satisfactory at this time. With respect to the work performed, I certify this **Engine** has been inspected and serviced IAW CSM 50HR inspection/service and is determined to be in Airworthy condition and approved for return to service.

March 24, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



**N9637Q Tach: 2791.6 ETT: 2791.6 SMOH: 77.8 SN: L-42633-27A 4/14/2022**

On this date the carburetor P/N:10-5217 S/N: MS0PL705 was removed and replaced with a serviceable used carburetor P/N: 10-5217 S/N: MS840406. IAW Cessna Service Manual or "(CSM) D9072-4-13" Section 11-43 through 11-15 as a guide. Engine and cowlings were solvent washed. Post service ops check and run up was satisfactory at this time. With respect to the work performed, I certify this **Engine** and was determined to be in Airworthy condition and approved for return to service.

April 14, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



**N9637Q Tach: 2813.8 ETT: 2813.8 SMOH: 165.2 SN: L-42633-27A 4/28/2022**

On this date a 50 HR inspection and engine oil service was performed IAW Cessna Service Manual or "(CSM) D9072-4-13" Section 2 as a guide. Pre service run up and ops check was performed, with no discrepancies at this time. Engine was serviced with 8 quarts of Aeroshell W100 and AA48110-2 engine oil filter. Engine and cowlings were solvent washed. Removed filter was dismantled and inspected for debris, no discrepancies noted at this time. Post service ops check and run up was satisfactory at this time. With respect to the work performed, I certify this **Engine** has been inspected and serviced IAW CSM 50HR inspection/service and was determined to be in Airworthy condition and approved for return to service.

April 28, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825


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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
				<b>TOTALS</b> brought forward from previous page



**N9637Q Tach: 2824.9 ETT: ~~2648.9~~ <sup>2924.9</sup> SMOH 167.3 5/6/2022**  
*M. 5/6/22*

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80 #2 76/80 #3 78/80 #4 77/80. Engine was serviced with 8 QT of Aeroshell W100 and AA48110-2 oil filter. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

May 6, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



**N9637Q Tach: 2913.4 ETT: 2913.4 SMOH 264.9 7/9/2022**

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80, #2 77/80, #3 79/80, #4 76/80. Engine was serviced with 8 QT of Aeroshell W100 and AA48110-2 oil filter and solvent washed. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

July 7, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



**N9637Q Tach: 2962.5 ETT: 2962.5 SMOH 304.9 8/11/2022**

On this date a 50 HR service/Inspection was performed IAW Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Engine was serviced with 8 QT of Aeroshell W100 Plus and AA48110-2 oil filter. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** was determined to be Airworthy and approved for return to service.

Aug 11, 2022.

*Zachary Maurice*  
Zachary Maurice, AP4028825



**N9637Q Tach: 2996.3 ETT: 2996.3 SMOH 347.4 8/30/2022**

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 76/80 #2 76/80 #3 76/80 #4 72/80. Plugs were cleaned gapped and tested, no discrepancies. Mag leads and Mag timing check was satisfactory. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

AUG 30, 2022.

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*Zachary Maurice*  
Zachary Maurice, AP4028825

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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
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12/17/22			3143.2	Drained & serviced oil with 8qts 80W/90S AP4028825.
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**N9637Q Tach: 3111.3 ETT: 3092.8 SMOH 462.4 11/6/2022**

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80 #2 77/80 #3 78/80 #4 76/80. Plugs were cleaned gapped and tested, no discrepancies. Mag leads and Mag timing check was satisfactory. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

*Zachary Maurice*  
Zachary Maurice, AP4028825

NOV 6, 2022.



**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 02/07/2023

Tach/Hobbs Time 3190.2 SMOH 541.3 N# 9637Q Serial# L-42633-27A

On this date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 77/80, #2, 76/80, #3 78/80, #4 73/80. Plugs were cleaned, gapped and tested, no discrepancies found. Mag leads and timing check was satisfactory. Removed Marvel Schebler Carburetor model number MA-4SP A and replaced with Part number AV10-5217. Peterson Aviation, Inc Auto fuel STC installed SA2601CE IAW STC SE2587CE. No change to Weight and balance. Ops check and ground run were satisfactory at this time.

I certify that this **Engine** has been inspected IAW an **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: *[Signature]*  
A&P3055561

Date: 05/05/2023 Tach: 32400 N9637Q  
On this date a 50hr Inspection was completed IAW the Cessna Service Manual (CSM). Engine Oil was drained and replaced with 8 qts of Aeroshell 100w. Engine and cowling inspected for leaks and cleaned with mineral spirits. Engine was run and found satisfactory. This aircraft has been inspected and service IAW CSM 50 Hour inspection/service and is determined to be in airworthy condition at this time.

Kevin Hester *[Signature]* AP3055561



**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 06/05/2023

Total Time: 770.1 Tach Time 3368.0 N9637Q Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 76/80, #2 74/80, #3 78/80, #4 72/80. Sparkplugs were removed cleaned gapped, tested, and reinstalled with new copper washer and anti seize, no dependencies found. Mag leads and timing was checked, replaced spring on mag lead at #4 sparkplug, Ops check satisfactory. Baffling was repaired, fuel strainer checked for debris, replaced standpipe with Part Number 075601-1 and replaced o-rings MS29513-138 and MS29313-111. Repositioned and secured throttle cable and assured full throttle movement. Found break in Oil cooler seat hose, replaced, ops check satisfactory. I certify that this **Engine** has been inspected IAW an **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: *[Signature]*  
A&P3055561

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DA



**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 07/10/2023

Total Time: 847.8

Tach Time 3445.7

N9637Q

Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 76/80, #2 74/80, #3 78/80, #4 72/80. Cleaned engine. Sparkplugs were removed, cleaned gapped, tested, and reinstalled with new copper washer and anti-seize, no dependencies found. Mag leads and timing was checked, replaced spring on mag lead at #4 sparkplug. Ops check satisfactory. Drained oil and replaced 7Qts with aeroshell 100w, removed oil filter and inspected for debris, non found, replaced with CH45110-1. Cleaned Challenger air filter and recharged screen with K&N Red. Replaced missing hardware on exhaust shroud. I certify that this **Engine** has been inspected IAW an **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: 

A&P3055561



**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 09/13/2023

Total Time: 1038.8

Tach Time 3636.7

N9637Q

Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 74/80, #2 75/80, #3 75/80, #4 71/80. Cleaned engine. Sparkplugs were removed, cleaned gapped, tested, and reinstalled with new copper washer and anti-seize, no dependencies found. Mag leads and timing was checked. Ops check satisfactory. Drained oil and replaced 7Qts with aeroshell 100w, removed oil filter and inspected for debris, non found, replaced with CH45110-1. Cleaned Challenger air filter and recharged screen with K&N Red. Replaced missing hardware on exhaust shroud. I certify that this **Engine** has been inspected IAW a **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: 

A&P3055561

Date: 07/22/2023 Tach: 3495.0 N9637Q  
 On this date a 50hr Inspection was completed IAW the Cessna Service Manual (CSM). Engine Oil was drained and replaced with 8 qts of Aeroshell 100w. Engine and cowling inspected for leaks and cleaned with mineral spirits. Engine was run and found satisfactory. This aircraft has been inspected and service IAW CSM 50 Hour inspection/service and is determined to be in airworthy condition at this time.

Kevin Hester 

AP3055561

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**N9637Q Tach: 3046.0 ETT: 2996.3 SMOH 397.1 9/13/2022**  
 On this date a 50 HR inspection was performed IAW Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Engine oil was drained and serviced with 8 quarts of Aeroshell 100w plus. Spark plugs were removed and replaced with 8 NEW Champion PN RH40E. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this ENGINE is in Airworthy condition and approved for return to service.

SEPT 13, 2022.

*Zachary Maurice*  
 Zachary Maurice, AP4028825



**N9637Q Tach: 3092.8 ETT: 3092.8 SMOH 443.9 10/6/2022**  
 On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80 #2 76/80 #3 77/80 #4 76/80. Plugs were cleaned gapped and tested, no discrepancies. Mag leads and Mag timing check was satisfactory. Removed power flow exhaust and installed NEW AWI exhaust assembly, PN A9954001-3 IAW CSM 11-75 a-f. W&B updated by calculation. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this ENGINE has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

OCT 6, 2022.

*Zachary Maurice*  
 Zachary Maurice, AP4028825

Date: 09/18/2022  
 09/18/22

Total Time: 690 Tach/Hobbs Time 3287.9 N9637Q Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 76/80, #2 76/80, #3 76/80, #4 74/80. Sparkplugs were removed cleaned gapped, tested, and reinstalled with new copper washer and anti seize, no dependencies found. Mag leads and timing was checked, replaced spring on mag lead at #4 sparkplug, Ops check satisfactory. Baffling was repaired, fuel strainer checked for debris, replaced standpipe with Part Number 075601-1 and replaced o-rings MS29513-138 and MS29313-111. Repositioned and secured throttle cable and assured full throttle movement. Found break in solder on fuel prime line, repaired, ops check satisfactory. I certify that this Engine has been inspected IAW an **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: *[Signature]*  
 A&P3055561



**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 08/13/2023

Total Time: 947.0 Tach Time 3544.9 N9637Q Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 76/80, #2 74/80, #3 76/80, #4 72/80. Cleaned engine. Sparkplugs were removed, cleaned gapped, tested, and reinstalled with new copper washer and anti seize, no dependencies found. Mag leads and timing was checked, replaced spring on mag lead at #4 sparkplug, Ops check satisfactory. Drained oil and replaced 7Qts with aeroshell 100w, removed oil filter and inspected for debris, non found, replaced with CH45110-1. Cleaned Challenger air filter and recharged screen with K&N Red. Replaced missing hardware on exhaust shroud. I certify that this Engine has been inspected IAW an **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: *[Signature]*  
 A&P3055561


Date: 8/27/2023 Tach: 3590 N9637Q  
 On this date a 50hr Inspection was completed IAW the Cessna Service Manual (CSM). Engine Oil was drained and replaced with 8 qts of Aeroshell 100w. Engine and cowling inspected for leaks and cleaned with mineral spirits. Engine was run and found satisfactory. This aircraft has been inspected and service IAW CSM 50 Hour inspection/service and is determined to be in airworthy condition at this time.

Kevin Hester *[Signature]*  
 AP3055561

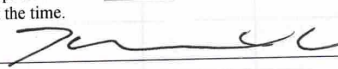

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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 *MJS*  
**09/18/23** Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333  
 Date: 09/13/2023  
 Total Time: 1038.8      Tach Time 3636.7      N9637Q      Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 74/80, #2 75/80, #3 75/80, #4 71/80. Cleaned engine. Sparkplugs were removed, cleaned gapped, tested, and reinstalled with new copper washer and anti-seize, no dependencies found. Mag leads and timing was checked. Ops check satisfactory. Drained oil and replaced 7Qts with aeroshell 100w, removed oil filter and inspected for debris, non found, replaced with CH45110-1. Cleaned Challenger air filter and recharged screen with K&N Red. Replaced missing hardware on exhaust shroud. I certify that this **Engine** has been inspected IAW a **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed:   
 A&P3055561


Date 9/12/2023 Tach: 3636.7 N9637Q  
 On this date a 50hr Inspection was completed IAW the Cessna Service Manual (CSM). Engine Oil was drained and replaced with 8 qts of Aeroshell 100w. Engine and cowling inspected for leaks and cleaned with mineral spirits. Engine was run and found satisfactory. This aircraft has been inspected and service IAW CSM 50 Hour inspection/service and is determined to be in airworthy condition at this time.

Kevin Hester  AP3055561


 Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333

Date: 11/08/2023  
 Total Time: 1122.6      Tach/Hobbs Time 3770.9      N9637Q      Serial# L-4263327A

On this Date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Compressions are #1 72/80, #2 70/80, #3 72/80, #4 70/80. Cleaned engine. Sparkplugs were removed, cleaned gapped, tested, and reinstalled with new copper washer and anti-seize, no dependencies found. Mag leads and timing was checked. Ops check satisfactory. Drained oil and replaced 7Qts with aeroshell 100w, removed oil filter and inspected for debris, non found, replaced with CH45110-1. Cleaned Challenger air filter and recharged screen with K&N Red. Replaced missing hardware on exhaust shroud. I certify that this **Engine** has been inspected IAW a **100 Hour** Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed:   
 A&P3055561

Date 11/08/2023 Tach: 3770.9 N9637Q  
 On this date a 50hr Inspection was completed IAW the Cessna Service Manual (CSM). Engine Oil was drained and replaced with 8 qts of Aeroshell 100w. Engine and cowling inspected for leaks and cleaned with mineral spirits. Engine was run and found satisfactory. This aircraft has been inspected and service IAW CSM 50 Hour inspection/service and is determined to be in airworthy condition at this time.

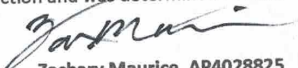
Kevin Hester  AP3055561



**N9637Q Tach: 3730.1 ETT: 3730.1 SMOH 1081.8 10/15/2023**

On this date a 100 HR inspection was performed IAW FAR 43 Appendix D and Cessna Service Manual or (CSM) D9072-4-13 Section 2 as a guide. Compressions were CYL #1 78/80 #2 76/80 #3 78/80 #4 70/80. Plugs were cleaned gapped and tested, no discrepancies. Mag leads and Mag timing check was satisfactory. Ops check and ground run is satisfactory at this time. With respect to the work performed, I certify this **ENGINE** has been inspected IAW 100HR inspection and was determined to be in Airworthy and approved for return to service.

OC15, 2023.

  
 Zachary Maurice, AP4028825


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**Pegasus Aviation Service, LLC 5725 SW Plumley St. Corvallis, OR 97333**

Date: 02/06/2024

Total Time: 1218.0

Tach Time 3815.9

N9637Q

Lycoming O-320-E2D

Serial# L-4263327A

On this date a 100 hour inspection was performed IAW FAR Appendix D and the Cessna Service Manual as a guide. Drained Oil and removed oil filter. Cut oil filter and checked for metal, none found. Replaced engine oil with 7 qts of Aero Shell 80w and replaced oil filter with CH-48110-1, and safety wired. Removed zip tie on engine mount holding wires and replaced and secured with Adel clamps. Repaired cabin heat bracket. Replaced grommet for alternator power though baffle with better fit and secured with Adel clamps. Compressions are #1 75/80, #2 73/80, #3 78/80, #4 70/80. Sparkplugs were removed, cleaned, gapped, tested, and reinstalled with new copper washer and anti-seize, no dependencies found. Mag leads and timing were checked, Ops check satisfactory. Fuel strainer checked for debris, none found, replaced O-rings MS29513-138 and MS29313-111. Found valve covers leaking because of defective cork gasket, replaced with new G-8179-HD 1/8 Silicone Cover gasket, ops check satisfactory found oil leak at base of oil filter replaced with new gasket, resecured with safety wire. Cleaned Challenger Oil Filter and recharged screen with K&N Red. I certify that this Engine has been inspected IAW a 100 Hour Inspection IAW FAR 43 appendix D as applicable and has been determined to be in airworthy condition at the time.

Signed: 

Kevin Hester AP30555611A

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