ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION  N3542F  17281075

ENGINE MODEL AND SERIAL  IO-360-L2A  L-1550-51E
This engine has been overhauled in accordance with the applicable Lycoming specifications. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are new, newly rebuilt or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Engine Model: IO-360-L2A
Serial #: L-1550-51E
Total Time: 5478.4
Work Order #: AR443795
Date Completed: 11/11/10

Authorized Signature: [Signature]

Lycoming Engines
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

Date: 8-19-2010
Hobbs/Tach: 4011.4
Total Time: 5478.4
TSMOH: 0

1. Installed this engine IO-360-L2A, S/N-L-1550-51E, in aircraft N3542F.
2. Replaced engine shock mounts and attach nuts.
3. Installed new fuel and oil hoses FWF.
4. Installed new crankcase breather hose.
5. Replaced alternator belt, attach bolt, and noise capacitor.
6. Installed new oil pressure switch.
7. Replaced throttle and mixture control cable rodends.
8. Replaced airbox gasket.
11. Repaired baffling as required.
12. Cleaned and inspected firewall and engine mount.
14. Flushed oil cooler. Serviced engine with Shell mineral oil 50WT. Pre-primed oil pressure system.
15. Replaced tach cable drive felt.
16. Secured wiring and hoses with new clamps.

Name: Paul Kaune
Signed: [Signature]

Authorized Signature, Certificate Type & Number

Authorized Signature: [Signature]

Blue Skies over Dubuque Inc.
Airplane Maintenance

Work Order #: 76064
Blue Skies Over Dubuque, Inc.
FAA Repair Station #YQYR343B
LYCOMING
A Textron Company
652 Oliver Street
Williamsport, PA 17701 U.S.A.

FINAL ENGINE ACCEPTANCE

Eng. Serial No. L-1550-51E
Inspector
Date 6/11/10

Form 245 (5-02)

SERVICEABLE PART

Manufacturer LYCOMING ENGINES
Part Name AIRCRAFT ENGINE
Model No. IO-360-L2A
Serial No. L-1550-51E
Remarks

The aircraft engine or accessory identified above was:

Overhauled

and inspected in accordance with current Regulations
of the Federal Aviation Administration and is approved
for return to service.

Pertinent details of the work performed are on file at
Lycoming Engines under order no: AR443795

Date 6/11/10
Signed

Signature of Authorized Person

FOR: LYCOMING
A Textron Company
652 Oliver Street
Williamsport, PA 17701 USA
FAA Repair Station #EJ1R115K

Form 302A (3/04-LM)
MAINTENANCE RECORD

Date: 8/24/2010
Hobbs/Tach: 4014.1

Blue Skies over Dubuque Inc.
Airplane Maintenance

1. Changed Oil and Filter 8 qts. Shell 50 wt. Mineral Oil Added. Filter Inspected For Metal.
Operational Leak Check Good

Name: Eric Steier
Signed: [Signature]

Work Order: # 76107
Blue Skies Over Dubuque, Inc.
FAA Repair Station #YQYR343B

Date: 10/14/2010
Tach/Hobbs: 4065.4
Total Time: 5532.4
TSMOH: 54.0

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair Station #YQYR343B
563-582-1293

Cylinder Compressions

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1. Inspected Engine Per FAR 43 Appendix Checklist
2. Changed Engine Oil and Filter 8 qts. Shell 50 wt. Added. Inspected Oil Filter and Screen For Metal.
3. Repaired Top Engine Baffle
4. Replaced 1 ea Baffle Screw
5. Secured Oil Fill Tube and Repositioned Tanis Heater Mount
6. Replaced Fuel Servo Inlet Screen O-Rings
7. Secured EGT Connector
8. C/W AD 2008-14-07 Fuel Injection Lines and Clamps P/M 5B 342

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in Folder for compliance.

Work Order #: 76233
Name: Eric W. Sexton
Signed: [Signature]

Certified Repair Station # YQYR343B
2-11-2011

4116.8


Tiffany Brown
AP3527990

Date: 4-08-2011
Tach/Hobbs: 4163.4
Engine Total time: 5630.4
TSMOH: 152.0

Cylinder Compression

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1. Inspected engine per FAR 43 appendix D checklist.
2. Changed oil and filter. Checked filter for contamination. Serviced engine with 8 qts. Aeroshell 65W.
3. Cleaned, gapped and tested all sparkplugs.
4. Retimed left magneto to engine.
5. Replaced fuel servo inlet filter o-rings.
6. C/W AD 2008-14-07 fuel injector lines and clamps (per Lycoming SB 342).

I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. See AD list in folder for compliance.

Name: James S. Jenkins, AP 3015266
Signed: James S. Jenkins

Authorized Signature, Certificate Type & Number

Authorized Signature, Certificate Type & Number
**MAINTENANCE RECORD**

**DATE** | **TOTAL TIME IN SERVICE** | **DESCRIPTION OF THE WORK PERFORMED** | **AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER**
--- | --- | --- | ---
8-1-2011 | 4184.6 | **AD 2011-15-10 (8-16-2011) Not applicable to fuel served by serial number 2A5 AV 5183 SB AF5-586 and by coming SB-576** | James Smith
AP3015266

9-9-2011 | 4213.0 | Changed oil and filter, checked filter for contamination, serviced engine with 8qts Aeroshell 100W. Ran engine leak check good. | "John Doe"
AP35279480

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Date: 10/21/2011
Tach/Hobbs: 4263.3
Total Time: 5730.3
TSMOH: 251.9

**Cylinder Compressions**

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1. Inspected engine per FAR Part 43 Appendix D checklist.
2. Changed engine oil and filter. Serviced with 8qts of Shell 50wt oil. Inspected filter and screen for metal.
3. Replaced fuel servo inlet screen o-rings.
4. C/W AD 2008-14-07 (Fuel injection lines and clamps) Inspected per SB 342.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #77078
Name: Eric W. Seier

Signed: [Signature]
Certified Repair Station # YQYR343B

**Authorized Signature, Certificate Type & Number**

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12-1-11 | 4311.6 | Changed oil and filter. Checked filter for contamination. Serviced engine with 8qts 60W. Ran engine leak check good. | "John Doe"
AP35279480
MAINTENANCE RECORD

<table>
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<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
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<tr>
<td>5-11-12</td>
<td>4612.2</td>
<td>Changed oil &amp; filter. Checked filter for contamination. Serviced engine with Spts Aeroshell 100w. Ran engine - back check good.</td>
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</tbody>
</table>

Authorized Signature, Certificate Type & Number: [Signature]

Date: 2/29/2012
Tach/Hobbs: 4363.0
Total Time: 5830.0
TSMOH: 351.6

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair Station #YQYR343B
563-582-1293

Cylinder Compressions

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1. Inspected engine per FAR Part 43 appendix D checklist.
2. Changed oil & filter, inspected filter & screen for metal, serviced engine with Shell 30wt. oil.
3. Adjusted left magneto timing to engine.
4. Replaced 1ea. spark plug.
5. Replaced o-rings on fuel servo inlet screen.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #77346
Name: Paul M. Kaune
Signed: [Signature]
Certified Repair Station # YQYR343B
Date: 9-14-2012
Tach/Hobs: 4462.4
Engine Total time: 5929.4
TSMOH: 451.0

Cylinder Compression

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</table>

1. Inspected engine per FAR 43 appendix D checklist.
2. Changed oil and filter. Checked filter for contamination. Serviced engine with 8 qts. Aeroshell 100W.
3. Cleaned, gapped and tested all sparkplugs.
4. Replaced terminal end on left magneto “P” lead at magneto.
5. C/W AD 2011-26-cf fuel injector lines and clamps (per Lycoming SB 342).

I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition. See AD list in folder for compliance.

Name: Tiffany Brame  AP 3527990
Signed: [Signature]

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### MAINTENANCE RECORD

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<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
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<tr>
<td>11-5-12</td>
<td>451/8</td>
<td>Changed oil and filter. Checked filter for contamination. Serviced engine with 8 qts Aeroshell 100W. Run engine - check good</td>
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</tbody>
</table>

Authorized Signature, Certificate Type & Number: [Signature]
Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair Station #YQYR343B
563-582-1293

Date: 2/26/2013
Tach/Hobs: 4561.4
Total Time: 6028.4
TSMOH: 550.0

Cylinder Compressions

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1. Inspected engine per FAR Part 43 appendix D checklist.
2. Changed oil & filter, inspected filter & screen for metal, serviced engine with Shell 30wt. oil.
3. Replaced #2-4 valve cover gaskets. 4. Replaced 7 spark plugs due to wear limits. 5. Repaired loose baffle seal.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #78041
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B

MAINTENANCE RECORD

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<tr>
<td>5-12-13</td>
<td>4611.00</td>
<td>Changed oil and filter. Checked filter for contamination. Serviced engine with 8qt Aeroshell 10W. Ran engine, leak check good.</td>
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Authorized Signature, Certificate Type & Number: [Signature] AP2527990
### Cylinder Compressions

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1. Inspected engine per FAR Part 43 appendix D checklist.
3. Retimed magneto to engine.
4. Replaced #2 intake tube gasket.
5. Replaced O-rings on fuel servo inlet screen.
6. Installed new exhaust muffler, gaskets & attachment bolts/nuts.
7. Replaced 1 spark plug.

I certify this engine has been inspected in accordance with a annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #78456
Name: Paul M. Kaune
Signed: Paul M. Kaune
Certified Repair Station # YQYR343B

Date: 3/17/2014
Tach/Hobbs: 4759.7
Total Time: 6226.7
TSMOH: 748.3

### Cylinder Compressions

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1. Inspected engine per FAR 43 Appendix D checklist.
2. Changed oil and filter. Inspected filter and screen for metal. Serviced with 8 quarts of Shell 30wt oil.
3. Replaced 1ea spark plug.
4. Replaced fuel servo inlet screen o-rings.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #78757
Name: Eric W. Seier
Signed: Eric W. Seier
Certified Repair Station # YQYR343B