ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION  N52092

ENGINE MODEL AND SERIAL  D5518-3-13
LYCOMING
A Textron Company
652 Oliver Street
Williamsport, PA 17701 U.S.A.

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-19104-51E
Total Time: 8549.9
Work Order #: AR500539
Date Completed: 3/7/11

Authorized Signature

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

Date: 8/24/2011
Tach/Hobbs: 3964.3
Total Time: 8549.9
TSMOH: 0

Cylinder Compressions

<table>
<thead>
<tr>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
</tr>
</thead>
<tbody>
<tr>
<td>new</td>
<td>new</td>
<td>new</td>
<td>new</td>
<td>new</td>
<td>new</td>
</tr>
</tbody>
</table>

1. Inspected engine per FAR Part 43 appendix D checklist.

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 #76849
Name: Paul M. Kaune

Signed: Paul M. Kaune

Authorized Signature, Certificate Type & Number

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair Station #YQYR343B
563-582-1293
<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>LYCOMING ENGINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Name</td>
<td>AIRCRAFT ENGINE</td>
</tr>
<tr>
<td>Model No.</td>
<td>IO-360-L2A</td>
</tr>
<tr>
<td>Serial No.</td>
<td>L-19104-51E</td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
</tr>
</tbody>
</table>

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: AR606539

Date 3/18/11
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)
1. Changed oil & filter after test flight, inspected filter for metal. Serviced engine with Shell 50wt. mineral oil.
   Run up engine leak check good.

Work Order #76907
Name: Paul M. Kaune

Signed: Paul M. Kaune
Certified Repair Station # YQYR343B


Tiffany Brown
AP3527940

MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HOURS</td>
<td>10THS</td>
</tr>
<tr>
<td>W.O. MA7072</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N5209Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TACH 3989.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11/15/2011</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PS Air Inc.
Eastern Iowa Airport
3411 Beech Way SW
Cedar Rapids, IA 52404

LOG ENTRY
1. Drained oil and refilled with 8 quarts of Aeroshell 65 mineral.
2. Run up, leak check and test flight OK.
3. The above maintenance accomplished in accordance with the maintenance manual.

The repairs noted above are approved for return to service by a certified mechanic.

Signed

End

12-14-11 4014.0 Changed oil and filter. Checked filter for contamination, serviced engine with 8qts AeroShell 65. Run engine - leak check good. AP3527940

Tiffany Brown
1. Replaced Starter with new P/N 31B26040  S/N H-L121301

Work Order #77242
Name: David M. Farningham
Signed: [Signature]
Certified Repair Station # YQYR343B

Date: 4/17/2012
Tach/Hobbs: 4063.5
Total Time: 8649.1
TSMOH: 99.2

Cylinder Compressions

<table>
<thead>
<tr>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
</tr>
</thead>
<tbody>
<tr>
<td>78/80</td>
<td>78/80</td>
<td>78/80</td>
<td>78/80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Inspected engine per FAR Part 43 appendix D checklist.
2. Changed oil & filter, inspected filter & screen for metal, serviced engine with Shell 50 wt. oil.

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 #77442
Name: Paul M. Kaune
Signed: [Signature]
Certified Repair Station # YQYR343B

6-21-12 | 4113.3 | Changed oil and filter. Checked filter for contamination. Serviced engine with 3 pts Aeroshell 100W. Ran engine - leak check good.
Date: 10-23-2012
Tach/Hobs: 4162.5
Engine Total time: 8748.1
TSMOH: 198.2

Cylinder Compression
<table>
<thead>
<tr>
<th></th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>80/80</td>
<td>79/80</td>
<td>79/80</td>
<td>78/80</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</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 65W.
3. Cleaned, gapped and tested all sparkplugs.
4. Installed chafe tape to lower engine cowl where engine baffle lower left corner was rubbing.
5. Replaced gasket right magneto.
6. Retimed left and right magnetos to engine.
7. C/W AD 2011-26-04 fuel injector lines and clamps (per Lycoming SB 342).

I certify this engine has been inspected in accordance with annual 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

MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-23-13</td>
<td>4216.7</td>
<td>Changed oil and filter. Checked filter for contamination. Serviced engine with 8 qts Aeroshell 65W. Ran engine - leak check good.</td>
<td>Tiffany Brancato AP3527990</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Part Number</td>
<td>Eligibility</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------</td>
<td>-------------</td>
<td>-------------</td>
</tr>
<tr>
<td>1.1</td>
<td>STARTER ASSEMBLY - KELLY ERB</td>
<td>318260040</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>SUPPLIER PART NO: ERB 8011</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks**
AIRWORTHINESS APPROVAL PARTS FOR DOMESTIC SHIPMENTS ONLY
OMAHA AIRPLANE SUPPLY COMPANY
United States

14. Certifies the items identified above were manufactured in conformity to:
Approved design data and are in a condition for safe operation.
Non-approved design data specified in Block 13.

15. Authorized Signature
ODA30878NE


17. Name (Typed or Printed): D. MITCHELTREE

18. Date (mm-dd-yyyy): OCT-22-2012

19. Agency/Other Regulation in Block 1:

20. Authorized Signature

21. Appr/Serv Crt Number

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (JUN-01) *Installer must cross check eligibility with applicable technical data.*
Date: 5-14-2013  
Tach/Hobbs: 4262.4  
Engine Total time: 8848.6  
TSMOH: 298.2

Cylinder Compression

<table>
<thead>
<tr>
<th></th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>79/80</td>
<td>78/80</td>
<td>78/80</td>
<td>77/80</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</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, tested and rotated all sparkplugs.
4. Repaired engine baffling.
5. Secured bottom of left & right engine baffling.
6. C/W AD 2011-26-04 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  
Signed: [Signature]

MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-15-13</td>
<td>43 12 3</td>
<td>Changed oil and filter. checked filter for contamination. Serviced engine with 8 qts. AeroShell 100W. Ran engine. Leak check good.</td>
<td>[Signature] AP3527990</td>
</tr>
<tr>
<td>10-01-13</td>
<td>Tach 4361.4 397.1 SMOH 8947 Eng TT</td>
<td>Compression test results #1 75/80 #2 74/80 #3 68/80 #4 76/80. Changed oil and filter using Shell 100W. Cut apart old filter, no metal noted. Cleaned, gapped and tested spark plugs. Checked ignition leads and harness. Checked magneto to engine timing. Checked fuel injection lines and clamps per AD 11-25-04 (1-25-12) and SB342 and found OK. Checked exhaust system and muffler condition. Checked and lubed engine controls. Checked propeller and spinner assemblies. Test run engine. Operational check-OK, no oil leaks noted.</td>
<td>[Signature] AP3527990</td>
</tr>
</tbody>
</table>

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL/50-HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

TACH HOURS 4361.4 397.1 SMOH 8947  
DATE 10-01-13  
WO NO. 12873  
BY [Signature]

MONTICELLO AVIATION, INC.  
REGIONAL AIRPORT, MONTICELLO, IA  
FAA CERTIFIED REPAIR STATION #K02R959K
MAINTENANCE RECORD

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-13-13</td>
<td>4:10 - 5</td>
<td>Changed oil and filter. Checked filter for contamination. Serviced engine with SAE 10W-30 Oil. Ran engine - leak check good. Repaired left wing &quot;D&quot; lead terminal end.</td>
<td>[Signature]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date: 3/6/2014
Tach/Hobs: 4460.6
Total Time: 9046.2
TSMOH: 496.3

Cylinder Compressions

<table>
<thead>
<tr>
<th></th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>#4</th>
<th>#5</th>
<th>#6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>76</td>
<td>78</td>
<td>78</td>
<td>78</td>
<td>80</td>
<td>80</td>
</tr>
</tbody>
</table>

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 magneto timing to engine. 4. Secured loose oil dipstick tube. 5. Secured loose Tans heat plug.
6. Replaced #3 & 4 leaking intake tube gaskets. 7. Replaced #3 & 4 leaking valve cover gaskets.

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 #78733
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B

4-24-14 | 14:50 - 2 | Changed oil and filter. Checked filter for contamination. Serviced engine with SAE 10W-30 Oil. Ran engine - leak check good. | [Signature] | AP8527990 |
<table>
<thead>
<tr>
<th>DATE</th>
<th>TOTAL TIME IN SERVICE</th>
<th>DESCRIPTION OF THE WORK PERFORMED</th>
<th>AUTHORIZED SIGNATURE, CERTIFICATE TYPE &amp; NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-6-14</td>
<td>48:16.5</td>
<td>Cleaned and tested all spark plugs.</td>
<td></td>
</tr>
</tbody>
</table>

**MAINTENANCE RECORD**

**DATE**

**TOTAL TIME IN SERVICE**

**HOURS** | **10THS**

**DESCRIPTION OF THE WORK PERFORMED**

**AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER**