

# **RIGHT ENGINE LOG BOOK**

**Model Number  
LTIO-540-J2B**

**Serial Number  
L-105-68A**

**Lycoming Overhauled  
03/21/13**

**Engine Total Time at Overhaul  
7,088.0**

| DATE | MAINTENANCE TIME RECORDING | AIRCRAFT TOTAL TIME | TOTAL LANDINGS | TOTAL ENGINE STARTS | DESCRIPTION OF WORK PERFORMED | SIGNATURE & CERTIFICATE NUMBER |
|------|----------------------------|---------------------|----------------|---------------------|-------------------------------|--------------------------------|
|------|----------------------------|---------------------|----------------|---------------------|-------------------------------|--------------------------------|

## Overhaul Reciprocating Engine Certificate

**LYCOMING**

This is to certify that the engine as described hereinafter has been OVERHAULED in accordance with the applicable Lycoming specifications. It has been determined airworthy to return to service and is in a condition for safe operation. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Publications have been complied with. All accessories as part of the type certificate are new or newly rebuilt or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Serial Number L-105-68A  
 Engine Model LTIO-540-J2B  
 Work Order SP564505  
 Total Time 7088  
 Form 2480 Rev 07/12

*Charles Hess* 5/27/13  
 Authorized Representative Date

Repair Station EJ1R115K  
 652 Oliver Street Williamsport, PA 17701 U.S.A  
 Lycoming Engines is a division of Avco Corporation

07/07/13 Maintenance Hobbs 4,762.2 A/C Total Time 8,675.6 Difference Number 3,913.4

| Description, Make and Model Number        | Serial Number                                | DATE New, Inspected<br>O/H'd, Tested, Done | INSTALLED<br>A/C Total | INTERVAL<br>Hours/Months    | SINCE New, Inspect<br>Overhaul or Replaced |
|---|--|--|------------------------|-----------------------------|--|
| <b>N4109D</b> Piper PA-31-350 Chieftain   | 31-8253012                                   | New 05/28/82                               | 0.0                    |                             | 373 months                                 |
| Right Lycoming LTIO-540-J2B               | L-105-68A                                    | Installed 07/07/13<br>O/H 03/22/13         | 8,675.6                | 2,000.0 hours<br>144 months | 0.0 hours<br>3 months                      |
| Right Hartzell HC-E3YR-2ALTF              | DJB491A                                      | Installed 05/21/10<br>O/H 05/07/10         | 7,261.1                | 2,400.0 hours<br>72 months  | 1,414.5 hours<br>38 months                 |
| Right Hartzell Governor F-6-24L           | 9352T  | Installed 06/30/09<br>O/H 06/18/09         | 7,282.1                | 2,000.0 hours<br>60 months  | 1,393.5 hours<br>48 months                 |
| <b>Right Engine Magnetos</b>              |  |  |                        |                             |  |
| Part Number                               | Serial Number                                | DATE New, Inspected<br>O/H'd, Tested, Done | INSTALLED<br>A/C Total | INTERVAL<br>Hours/Months    | SINCE New, Inspect<br>Overhaul or Replaced |
| Left 66LR30RCNP                           | 12040709                                     | Inspected 04/15/12                         | 8,675.6                | 500 hours                   | 0.0 hours                                  |
| Slick 6394                                |  | New 04/15/12                               | 8,675.6                | 2,000 hours                 | 0.0 hours                                  |
| Right 66LP-0RCNP                          | 12011190                                     | Inspected 01/15/12                         | 8,675.6                | 500 hours                   | 0.0 hours                                  |
| Slick 6340                                |  | New 01/15/12                               | 8,675.6                | 2,000 hours                 | 0.0 hours                                  |
| <b>Recurring Airworthiness Directives</b> |  |  |                        |                             |  |
| Number                                    | Description                                  | DATE New, Inspected<br>O/H'd, Tested, Done | INSTALLED<br>A/C Total | INTERVAL<br>Hours/Months    | DUE at Date or<br>A/C Total Hobbs          |
| 11-26-04                                  | Fuel Injection Ridged Lines Condition        | Inspected 05/21/10                         | 7,261.1                | 100 hours                   | 7,361.1 3,447.7                            |
| 13-10-04                                  | Examine for bulges, cracks and exhaust leaks | Inspected 07/07/13                         | 8,675.6                | 60 hours                    | 8,735.6 4,822.2                            |

Inspection performed in accordance with Appendix D to FAR Part 43, Lycoming and Piper Service Information. A.D. Compliance recorded in A.D. Section of aircraft records. Removed LTIO-540-J2B S/N L-476-68A engine and installed Lycoming Factory Overhauled LTIO-540-J2B S/N L-105-68A engine assembly. Hoses forward of firewall replaced with AERO Inc. and Lycoming factory provide hoses. Wiring replaced as necessary. New Lord p/n J-9613-12 isolation mounts installed. Installation hardware replaced with new hardware. Serviced with 10qts Shell 80 Break-In oil. Work done in accordance with Piper Maintenance Manual P/N 761 768 and Lycoming TIO-540 overhaul Manual. Test run for systems and leak check. Aircraft approved for return to service. I certify this Engine has been inspected in accordance with a 100 Hour inspection and determined to be in airworthy condition.

*Klaus Marx*  
 Klaus Marx AP2065291361A

L-105-68A  
LTIO540-J2B  
Installed on right side of N765KP  
4/15/16

| Hobbs  | Engine TSMOH | Engine Total Time |
|--------|--------------|-------------------|
| 6790.1 | 2027.9       | 9115.9            |

Inspected and serviced engine in accordance with a checklist derived from 14 CFR 43 Appendix D, Lycoming service information, and Piper manual 761-768.

Checked compression, all 65/80 or better.

Drained oil, serviced with 12 quarts 20W50.

Installed new oil filter p/n AA48110-2.

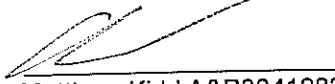
Replaced hydraulic filter with new p/n AN6235-1A using new o-ring.

Replaced vacuum inlet filter with new p/n RAB3-5-1.

Ground run and leak check satisfactory.

Checked ADs through biweekly 2016-08 and recorded compliance in AD compliance section of aircraft records.

I certify this Engine has been inspected in accordance with a 100 Hour Inspection and found to be in airworthy condition at this time.

  
Matthew Kidd A&P3041982

L-105-68A  
LTIO540-J2B  
4/15/16

| Hobbs  | Engine TSMOH | Engine Total Time |
|--------|--------------|-------------------|
| 6822.3 | 2060.1       | 9148.1            |

Removed engine from PA31-350-T1020 s/n 31-8253012 registration N765KP due to time.

  
Roger Braun A&P2883774