

Book #1

N8461C



ASA-SE-2

*The Standard Engine Log*  
SE-2

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**ASA-SE-2**

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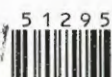


P N R A S A - S E - 2

ISBN 978-1-56027-326-4



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5 1 2 9 5

**Engine Record** General Information

**Manufacturer** \_\_\_\_\_ **Model** \_\_\_\_\_

**Serial** \_\_\_\_\_ **Type Certificate** \_\_\_\_\_

**This engine is currently installed in aircraft:** \_\_\_\_\_

**Minimum Octane Fuel** \_\_\_\_\_ **Oil Grade** Summer \_\_\_\_\_ Winter \_\_\_\_\_

**Magneto Time** \_\_\_\_\_ **Point Setting** \_\_\_\_\_ **Firing Order** \_\_\_\_\_

**Spark Plug Gap** \_\_\_\_\_

**Manufacturer's Recommended Overhaul at** \_\_\_\_\_ **hours**

**Registered Owner Record**

Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To
Name	Address
City	State
From	To

**Notes****LYCOMING****Rebuilt Reciprocating Engine Certificate**

This is to certify that the engine as described hereinafter has been REBUILT 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. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Part Number: RENPL-RT8581  
Serial Number RL-30479-48E  
Engine Model IO-540-K1G5  
Work Order AR609667  
Total Time 0.0

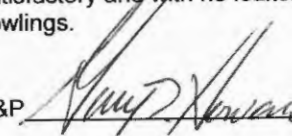
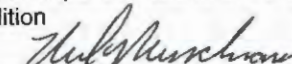
*Charles Hess* 4/10/15  
Authorized Representative Date

Form 2481 Rev 05/13

Production Certificate #3  
652 Oliver Street Williamsport, PA 17701 U.S.A  
Lycoming Engines is a division of Avco Corporation



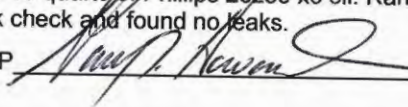
YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Alterations (number of entries.)
				<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b></p> <p><b>Date: 05/28/2015 N8461C</b>  <b>Tach 3795.1 TTE 000.0</b></p> <p>Removed run out engine model Lycoming IO-540-K1GE with serial # L-21478-48A along with all engine components, accessories and aircraft motor mount. Cleaned firewall and engine control cables and wiring. Sent tubular steel motor mount to Aerospace Welding in Minneapolis, MN. for overhaul. Received back and reinstalled on aircraft with new strut seals, bearings and hydraulic fluid and mounting hardware. Installed new Barry engine mounts, part #'s 94011-02 and 94011-03 with new mounting hardware. Installed rebuilt Lycoming engine, Model IO-540-K1G5 with ser# RL-30479-48E and Fuel Servo part# AVSTAR 61M26410 with a new gasket. New Slick Magnetos part#'s 66LC35SDNN (left) and 66LP-0SCNN (right) were preinstalled by rebuilder. A new mechanical fuel pump, part# 62B26931 was also preinstalled by the rebuilder. Attached all engine controls and adjusted. Installed on right side 1 new oil cooler, part# 8000074, ser# 10412048 and 1 overhauled oil cooler on left side, part# 8529245, ser# 81D-810 with 4 new hoses. Serviced engine with 12 quarts of 20W50 Phillips Type M Mineral oil.</p>

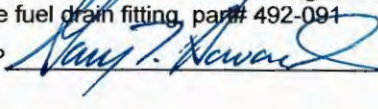
YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Alterations (number of entries.)
				<p>Replaced all fuel hoses forward of firewall with new hoses manufactured by AVIALL. Installed an overhauled Alternator, part# AYL-6521 with ser# H-O120950. Installed overhauled Hartzell Propeller, part# HC-C3YR-1RF/F7663 and overhauled Governor, part# F-4-11 with ser# D1125UJ. Installed a new Engine Starter, part# Sky-Tec 149-NL with ser# FN-3814170. Reinstalled cleaned and serviceable exhaust with new gaskets, part# NOBLOW 77611 and new hardware. Ran engine for run test as described in the Lycoming Service Instructions #'s 1472, 1014M, 1070S, 1080C, 1094D, 1427C, and Service Letter L154B. Discovered a need to adjust idle mixture and engine idle and did so according to Lycoming Service recommendations. Performed 3 ops run up and leak checks and found satisfactory and with no leaks. Reinstalled all engine cowlings.</p> <p>A&amp;P  3128656</p> <p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b></p> <p><b>Date: 05/28/2015 N8461C Tach 3795.1</b>  <b>TTE 000.0</b></p> <p>I certify that this ENGINE has been inspected I/A/W/ an Annual inspection and found to be in an airworthy condition</p> <p>IA  A+P2257455AT</p>







YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/28/16	37.3		91.3	<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 10/22//2016 N8461C</b>  <b>EDM Tach 37.3 TTSMO 91.3</b></p> <p>Performed an oil and filter change. Ran engine for warm up and ops check. Drained used oil, collected lab sample and removed used oil filter. Cut used filter open for metal particle inspection and found normal. Installed new champion ch48110-1 filter and serviced engine with 10 quarts of Phillips 20z50 xc oil. Ran engine for leak check and found no leaks.</p> <p>A&amp;P  3128656</p>

YEAR 20____ DATE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS with Name, Rating and Certificate Number of ity. (See back pages for other specific entries.)
	<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 02/05//2017 N8461C</b>  <b>EDM Tach 48.8 TTSMO 102.8</b></p> <p>Performed a 100 hour inspection I/AW the Textron Lycoming engine manual and generic checklist for this model engine.. Ran engine for warm up and ops check. Removed all engine cowling and performed an air differential check on all cylinders with readings as follow. Cylinder #1=75psi #2=75psi #3=76psi #4=74psi #5=73psi #6=75psi. Drained used oil, collected lab sample and removed used oil filter. Cut used filter open for metal particle inspection and found normal. Installed new champion ch48110-1 filter and serviced engine with 10 quarts of Exxon 20W50 oil. Checked all engine control cables and lubed as necessary. Discovered leaking oil return line on #2 cylinder and tightened clamp. Cleaned, gapped and checked all sparkplugs and returned to service with new gaskets. Replaced loose fuel drain fitting, part# 492-091</p> <p>A&amp;P  3128656</p>

**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**

**Date: 02/05/2017 N8461C EDM Tach 48.8**  
**TSMO 102.8** *TTS Reman 102.8*

Aircraft engine was inspected I/AW an annual inspection and found to be in an airworthy condition.

IA  *ATP 2257450*



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 06/18//2017 N8461C  
EDM Tach 79.5 TTSMO 133.5

Performed an oil and filter change. Ran engine for warm up, drained used oil and collected a laboratory analysis sample. Removed used oil filter and cut open for internal inspection and found normal. Installed new champion CH48110-1 oil filter and serviced engine with 10 quarts of Exxon Elite 20w50 oil. Ran engine for leak check and observed no leaks.

A&P  3128656

SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 06/18//2017 N8461C  
EDM Tach 79.5 TTSMO 133.5

Owner/Pilot complained of hard starting. Removed both magnetos for internal and operation inspection. Found e gaps off and reset to slick magneto specifications. Reinstalled mags and set magneto/engine timing to 20\* btdc. Ran engine several times and noticed improved starting. Mag check satisfactory.

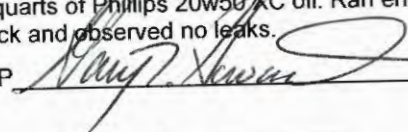
A&P  3128656

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SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 09/29//2017 N8461C  
EDM Tach 116.4 TTSMO 170.4

Performed an oil and filter change. Ran engine for warm up, drained used oil and collected a laboratory analysis sample. Removed used oil filter and cut open for internal inspection and found normal. Installed new champion CH48110-1 oil filter and serviced engine with 10 quarts of Phillips 20w50 XC oil. Ran engine for leak check and observed no leaks.

A&P

 3128656

1. Approving Civil Aviation  
Authority/Country:  
FAA/UNITED STATES

2. AUTHORIZED RELEASE CERTIFICATE  
FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number

MS-489846

4. Organization Name and Address:

LYCOMING ENGINES  
652 OLIVER STREET  
WILLIAMSPORT, PA 17701

PRODUCTION CERTIFICATE #3

5. Work Order/Contract/  
Invoice Number:

154645/4711303

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/ Work:
16.1	FUEL PUMP (HIGH PRESSURE)	62B26931	00001	RC51165422	NEW



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)**

**(603) 524-3180 (603) 528-6818**

**Date: 01/19//2018 N8461C**

**EDM Tach 147.5 TSMO 201.5**

Performed an oil and filter change. Ran engine for warm up. Removed top cowl, drained used oil and collected a laboratory analysis sample. Removed used oil filter and cut open for internal inspection. Found normal. Installed a new Champion oil filter, part# CH48110-1 and serviced engine with 10 quarts of Philips 20w50 xc oil. Ran engine for leak check and found no leaks. Reinstalled top cowling.

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YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**SBI AIRCRAFT SERVICES**

**LACONIA AIRPORT (KLCI)**

**(603) 524-3180 (603) 528-6818**

**Date: 02/09//2018 N8461C**

**EDM Tach 152.3 TSMO 206.3**

Performed a 100-hr inspection I/AW the Textron Lycoming engine manual and generic checklist for this aircraft engine. Ran engine for warm up and operational check. Performed an air differential check on all cylinders with readings as follow. Cylinder #1=80/75 #2=80/75 #3=80/74 #4=80/74 #5=80/74 #6=80/74. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Removed oil sump screen for inspection and found clean. Reinstalled screen with new crush gasket. Installed a new CH48110-1 Champion oil filter and serviced engine with 11 quarts of Exxon Elite 20w50 engine oil. Checked and lubed all engine controls, checked all hoses and wiring. Checked magneto timing to engine and found satisfactory. Discovered oil weeping from rocker covers and tightened all rocker cover screws. Performed engine wash and ran engine for leak and operational check. Found satisfactory and reinstalled all engine cowling and covers.

A&P

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**SBI AIRCRAFT SERVICES**

**LACONIA AIRPORT (KLCI)**

**(603) 524-3180 (603) 528-6818**

**Date: 02/09//2018 N8461C**

**EDM Tach 152.3 TSMO 206.3**

I certify that this propeller has been inspected I/AW/ an Annual Inspection and found to be in an airworthy condition.

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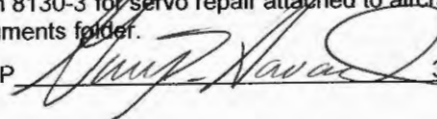
*Paul M. Mowbray*

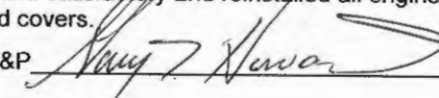
*AIP 2257455AF*



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 02/09/2018 N8461C</b>  <b>EDM Tach 152.3 TSMO 206.3</b></p> <p>I certify that this engine has been inspected I/ANW/ an Annual Inspection and found to be in an airworthy condition</p> <p>IA <i>[Signature]</i>  A &amp; P 2257455 HI</p> <p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 06/12/2018 N8461C</b>  <b>EDM Tach 196.7 TSMO 250.7</b></p> <p>Performed an oil and filter change. Ran engine for warm up. Removed top cowl, drained used oil and collected a laboratory analysis sample. Removed used oil filter and cut open for internal inspection. Found normal. Installed a new Champion oil filter, part# CH48110-1 and serviced engine with 11 quarts of Philips 20w50 xc oil. Ran engine for leak check and found no leaks. Reinstalled top cowl.</p> <p>A &amp; P <i>[Signature]</i> 3128656</p>

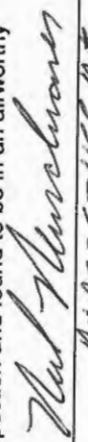
YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 10/25/2018 N8461C</b>  <b>EDM Tach 232.9 TSMO 286.9</b></p> <p>Performed an oil and filter change. Ran engine for warm up. Removed top cowl, drained used oil and collected a laboratory analysis sample. Removed used oil filter and cut open for internal inspection. Found normal. Installed a new Champion oil filter, part# CH48110-1 and serviced engine with 11 quarts of Philips 20w50 xc oil. Ran engine for leak check and found no leaks. Reinstalled top cowl.</p> <p>A &amp; P <i>[Signature]</i> 3128656</p>

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 12/18/2018 N8461C</b>  <b>EDM Tach 242.6 TSMO 296.6</b></p> <p>Owner/Pilot complained of rough running engine at and around 1800 RPM. Trouble shooting revealed a problem with Navstar Fuel Servo, part# AV2524273-12 with Ser# AV20797245. Removed fuel servo and shipped to Navstar for repairs. Received same repaired servo back and reinstalled with new gasket. Performed run ups and operational checks and found satisfactory. Form 8130-3 for servo repair attached to aircraft documents folder.</p> <p>A&amp;P  3128656</p>

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>SBI AIRCRAFT SERVICES</b>  <b>LACONIA AIRPORT (KLCI)</b>  <b>(603) 524-3180 (603) 528-6818</b>  <b>Date: 02/19//2019 N8461C</b>  <b>EDM Tach 250.8 TSMO 304.8</b></p> <p>Performed a 100-hr inspection I/AW the Textron Lycoming engine manual and generic checklist for this aircraft engine. Ran engine for warm up and operational check. Performed an air differential check on all cylinders with readings as follow. Cylinder #1=80/74 #2=80/76 #3=80/73 #4=80/78 #5=80/73 #6=80/74. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Removed oil sump screen for inspection and found clean. Reinstalled screen with new crush gasket. Installed a new CH48110-1 Champion oil filter and serviced engine with 11 quarts of Philips 20w50XC engine oil. Replaced all sparkplugs with new Champion REM 38E sparkplugs. Checked and lubed all engine controls, checked all hoses and wiring. Checked magneto timing to engine and found satisfactory. Performed engine wash and ran engine for leak and operational check. Found satisfactory and reinstalled all engine cowling and covers.</p> <p>A&amp;P  3128656</p>

**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 02/19//2019 N8461C**  
**EDM Tach 250.8 TSMO 304.8**

I certify that this engine has been inspected I/AW/ an Annual Inspection and found to be in an airworthy condition

IA  A+P 2257455 AT



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 09/26/2019 N8461C  
EDM Tach 316.7 TTSO 316.7

Performed an oil and filter change. Ran engine for warm up and operational check. Drained used oil collected a laboratory analysis sample and removed used oil filter. Cut open filter for internal inspection and found normal. Installed new Champion oil filter, part # CH48110-1 and serviced engine with 10 quarts of Phillips 20W50XC oil. Ran engine for leak and ops check and found satisfactory.

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Performed an oil and filter change. Ran engine for warm up and ops check. Collected a GA001 laboratory sample and removed used oil filter. Cut open filter for internal inspection and found normal. Serviced engine with 10 quarts of Phillips 20W50 XC oil and installed a new Champion CH48110-1 oil filter. Ran engine for leak check and found satisfactory.

A&P

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(603) 524-3180 (603) 528-6818  
Date: 07/02/2019 N8461C  
EDM Tach 285.5 TTAF 4087.0

YEAR  
20  
DATE

SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 02/11/2020 N8461C  
EDM Tach 345.5 TSMO 399.5

Performed a 100-hr inspection I/A/W the Textron Lycoming engine manual and generic checklist for this aircraft engine. Ran engine for warm up and operational check. Performed an air differential check on all cylinders with readings as follow. Cylinder #1=80/72 #2=80/74 #3=80/73 #4=80/74 #5=80/73 #6=80/75. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Removed oil sump screen for inspection and found clean. Reinstalled screen with new crush gasket. Installed a new CH48110-1 Champion oil filter and serviced engine with 11 quarts of Phillips 20w50XC engine oil. Cleaned, gapped and checked all sparkplugs. Replaced all rocker cover gaskets with new gaskets, part# 67193. Checked and lubed all engine controls, checked all hoses and wiring. Checked magneto timing to engine and set to 20\* BTDC. Performed engine wash and ran engine for leak and operational check. Found satisfactory and reinstalled all engine cowling and covers.

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ctions, Tests, Repairs and Alterations  
with Name, Rating and Certificate Number of  
ity. (See back pages for other specific entries.)

SBI AIRCRAFT SERVICES  
LACONIA AIRPORT (KLCI)  
(603) 524-3180 (603) 528-6818  
Date: 02/11/2020 N8461C  
EDM Tach 345.5 TSMO 399.5

I certify that this engine has been inspected I/A/W/ an Annual Inspection and found to be in an airworthy condition

condition

*Phil Thompson*  
A  
#P 2257455 AT



**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 04/05/2021 N8461C**  
**EDM Tach 432.6 TTSN 486.6**

Performed a 100-hr inspection I/A/W the Textron Lycoming engine manual and generic checklist for this aircraft engine. Ran engine for warm up and operational check. Performed an air differential check on all cylinders with readings as follows. Cylinder #1=80/72 #2=80/74 #3=80/73 #4=80/74 #5=80/73 #6=80/75. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Removed oil sump screen for inspection and found clean. Reinstalled screen with new crush gasket. Installed a new CH48110-1 Champion oil filter and serviced engine with 12 quarts of Phillips 20W50XC engine oil. Removed and cleaned finger screen and gascolator screen. Reinstalled screens with new gaskets. Cleaned, gapped and checked all sparkplugs. Checked and lubed all engine controls, checked all hoses and wiring. Checked magneto timing to engine and set to 20° BTDC. Removed propeller governor SN D1125UJ and sent to Sensenich Propeller Service for overhaul. It was returned and reinstalled. Performed engine wash and ran engine for leak and operational check. Found satisfactory and reinstalled all engine cowling and covers.

A&P

Zachariah Rezucha

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**tion of Inspections, Tests, Repairs and Alterations**  
must be endorsed with Name, Rating and Certificate Number of  
or Repair Facility. (See back pages for other specific entries.)

**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 06/29/2020 N8461C**  
**EDM Tach 377.0 TTSN 377.0**

an oil and filter change. Ran engine for and operational check. Drained used oil a laboratory analysis sample and removed filter. Cut open filter for internal inspection and found normal. Installed new Champion oil filter, part # CH48110-1 and serviced engine with 11 quarts of Phillips 20W50XC oil. Ran engine for leak and ops and found satisfactory.

3128656

**Date: 04/05/2021 N8461C**  
**EDM Tach 432.6 TTSN 486.6**

I certify that this engine has been inspected I/A/W an Annual Inspection and found to be in an airworthy condition

IA

ATP2257455AI

YEAR  
20  
DATE

RECORDING  
TACH  
TIME

TO  
FL

**SBI AIRCRAFT**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180**

**Date: 11/30/2021**

**EDM Tach 420.0 TTSN 420.0**

Performed an oil and filter change. Ran engine for warm up and operational check. Drained used oil. Collected a laboratory analysis sample and removed oil filter. Cut open filter for internal inspection and found normal. Installed new CH48110-1 and serviced engine with 11 quarts of Phillips 20W50XC oil. Ran engine for leak and ops and found satisfactory.

A&P

Zachariah Rezucha

4681 (11-19-2024)

MAKE: PIPER  
MODEL: PA-32-301  
S/N: 32-8206006  
REG. NO: N8461C



**Richmor Aviation**  
FAA Cert: BQVR582C  
PO BOX 423  
Columbia County Airport  
Hudson, New York 12534

W/O #: 4681  
DATE: 11-19-2024  
ENG TT:  
TSMOH:  
A/C Tach: 516.5

### Engine Entries

Removed the top engine cowling. Removed the fuel injector from Cyl #5, found debris in the orifice. Cleaned and reinstalled Cyl #5's injector. Cleaned and reinstalled the fuel servo filter. Sumped the fuel tanks, no debris noted. Complied with AD 2015-19-07, no defects noted. Next inspection is due at 626.5 Tach time, or after any fuel line maintenance. Reinstalled the top engine cowling. Run up and leak checks were satisfactory.

THE ENGINE AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND DETERMINED TO BE IN AN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED. THIS AIRCRAFT IS APPROVED FOR RETURN TO SERVICE.

DATE: 11-19-2024

SIGNED

Francis Corey  
FAA Cert: BQVR582C


WORK ORDER: 4681

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**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 04/05/2021 N8461C**  
**EDM Tach 432.6 TTSN 486.6**

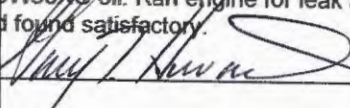
Performed a 100-hr inspection I/A/W the Textron Lycoming engine manual and generic checklist for this aircraft engine. Ran engine for warm up and operational check. Performed an air differential check on all cylinders with readings as follows. Cylinder #1=80/72 #2=80/74 #3=80/73 #4=80/74 #5=80/73 #6=80/75. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Removed oil sump screen for inspection and found clean. Reinstalled screen with new crush gasket. Installed a new CH48110-1 Champion oil filter and serviced engine with 12 quarts of Phillips 20W50XC engine oil. Removed and cleaned finger screen and gascolator screen. Reinstalled screens with new gaskets. Cleaned, gapped and checked all sparkplugs. Checked and lubed all engine controls, checked all hoses and wiring. Checked magneto timing to engine and set to 20° BTDC. Removed propeller governor SN D1125UJ and sent to Sensenich Propeller Service for overhaul. It was returned and reinstalled. Performed engine wash and ran engine for leak and operational check. Found satisfactory and reinstalled all engine cowling and covers.

A&P  4474543  
 Zachariah Rezucha

**tion of Inspections, Tests, Repairs and Alterations**  
 must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

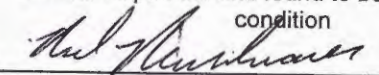
**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 06/29/2020 N8461C**  
**EDM Tach 377.0 TTSN ~~377.0~~ 431.0**

performed an oil and filter change. Ran engine for warm up and operational check. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Installed new Champion oil filter, part # CH48110-1 and serviced engine with 11 quarts of Phillips 20W50XC oil. Ran engine for leak and ops check and found satisfactory.

 3128656

**Date: 04/05/2021 N8461C**  
**EDM Tach 432.6 TTSN 486.6**

I certify that this engine has been inspected I/A/W/ an Annual Inspection and found to be in an airworthy condition

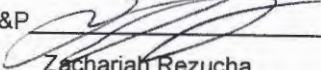
IA  A&P2257455AI

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**SBI AIRCRAFT SERVICES**  
**LACONIA AIRPORT (KLCI)**  
**(603) 524-3180 (603) 528-6818**  
**Date: 11/30/2020 N8461C**

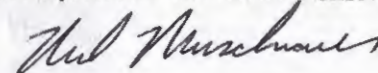
**EDM Tach 420.0 ~~TTSN 420.0~~ HOBBS 463.2**  
**TTSN 474.0**

Performed an oil and filter change. Ran engine for warm up and operational check. Drained used oil and removed used oil filter. Cut open filter for internal inspection and found normal. Installed new Champion oil filter, part # CH48110-1 and serviced engine with 11 quarts of Phillips 20W50XC oil. Ran engine for leak and ops check and found satisfactory.

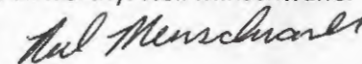
A&P  PENDING  
 Zachariah Rezucha

5/20/2022 N8461C Tach 470.2 Total 4271.7 Engine repair and service per Piper and Lycoming Service. Reinstall mags after overhaul. See tags.

Reinstall flow divider from Precision. See tag. Install new UREM38E plugs. Change oil and filter. Add 10 qts 20/50 X/C. Filter clean. Inspect engine in accordance with an annual inspection and determined to be airworthy. Neil Minschwaner A&P2257455AI



8/9/2023 N8461C 484.1 Tach 538.1 Total Comp all 75. Change oil and filter. Filter ok. Add 10 qts 20/50XC. Install O/H'd fuel servo by Aircraft Accessory. Run and check engine ops ok. Inspect engine in accordance with an annual inspection and determine to be airworthy. Neil Minschwaner A&P2257455AI





# Sky Bright

Laconia's Premiere Full-Service FBO

(603) 524-3180 maint@skybright.com

Date: 9/5/2024 N8461C EDM Tach 509.5


TTAF: 4310.4 TTE: 563.5

Performed a 100-hour inspection I/A/W the Piper service manual and generic checklist for this engine. Ran engine for warm up and ops check. Performed an air differential check on all cylinders with readings as follows.

#1:79/80 #2:78/80 #3:78/80 #4:79/80 #5:79/80 #6:79/80

Drained used oil, collected a laboratory analysis sample and removed used oil filter. Cut open oil filter for internal inspection and found no metals. Serviced engine with 11 quarts of Phillips 20W50 XC and installed a new Champion CH48110-1 filter. Cleaned, gapped, and checked ignition of all spark plugs and reinstalled with new gaskets. Removed gascolator fuel screen and found clean. Re-installed with new o-rings. Checked magneto to engine timing. Checked operation of and lubed all engine component cables. Checked exhaust system and found no leaks or cracks. Checked all oil and fuel hoses as well as wiring and routing and found satisfactory. Installed new seal on cyl 4 exh pushrod tube. Installed new valve cover gaskets on cyls 4 and 6. Ran engine for ops and leak check and found satisfactory.

A&P

  
Zachariah Rezucha

4474543

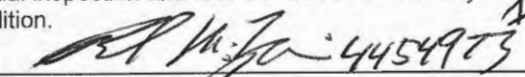
# Sky Bright

Laconia's Premiere Full-Service FBO

(603) 524-3180 maint@skybright.com

Date: 9/5/2024 N8461C Tach 509.5

I certify that this engine has been inspected I/A/W/ an Annual inspection and found to be in an airworthy condition. *JA*

IA  4454973

# Sky Bright

Laconia's Premiere Full-Service FBO

(603) 524-3180 maint@skybright.com

Date: 9/12/2025 N8461C Tach 520.2

Reviewed records during annual and found discrepancies with airframe/engine times. After review and research, the times are as follows:

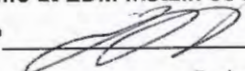
Total Airframe Time: 4369.3

Total Engine Time: 574.2 (factory reman)

Add to Tach Time to get ETT: 54.0

Tach Time at EDM install: 3849.1 (new tach started 0.0)

A&P



Zachariah Rezucha

4474543

Date: 09/12/2025 Hours: TTAF: 4369.3 Tach: 520.2 TTE: 574.2 Hobbs: 2634.6

Tail#: N8461C

Make: Piper

Model: PA-32-301

S/N: 32-8206006

Performed an annual inspection I/A/W the engine service manual and generic checklist for this engine. Performed an air differential check on all cylinders with readings as follows: #1:68/80 #2: 71/80 #3: 68/80 #4: 76/80 #5: 70/80 #6: 69/80. Drained used oil, collected a laboratory analysis sample and removed used oil filter. Cut open oil filter for internal inspection and found no metals. Installed new oil and filter. Cleaned, gapped, and checked resistance of all spark plugs and reinstalled with new gaskets. Removed gascolator fuel screen and found clean. Checked magneto to engine timing. Checked operation of and lubed all engine component cables. Checked exhaust system and found no leaks or cracks. Checked all oil and fuel hoses as well as wiring and routing and found satisfactory. Ran engine for ops and leak check and found satisfactory. Parts Used: AA48110-2 Oil Filter (Qty: 1)GA-001 Oil Analysis (Qty: 1)Phillips X/C 20w50 Oil (Qty: 11)

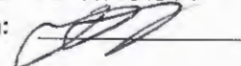
I certify that this engine has been inspected IAW an annual inspection as per the manufacturers service manual and was determined to be in an airworthy condition.

Zach Rezucha

Sky Bright

Cert: AP 4474543 IA

Sign:



ts, Repairs and Alterations

Rating and Certificate Number of  
k pages for other specific entries.)