

## Engine Record General Information

Manufacturer Lycoming Model O-540-B2B5  
Serial L-12867-40 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

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|   |         |             |
|---|---------|-------------|
| 1 | 71737   | Drain Liner |
| 6 | SL10647 | Dowels      |

| YEAR<br>20<br>DATE | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|---------------------------|-------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    |                           |                   |                             | <p>Date <u>1/31/2012</u> W/O <u>25264</u> Tach _____ Model <u>O-540-B2B5</u> S/N <u>L12867-40</u></p> <p>This is to certify that the engine identified above was overhauled in accordance with current regulations of the FAA and was approved <u>[REDACTED]</u> details of the overhaul are on file at the repair station. <i>For Experimental use only.</i></p> <p>Overhauled this engine in accordance with overhaul manual. Disassembled, cleaned and inspected all parts. Magnafluxed steel parts and zygloed nonferrous parts. Balanced engine. Installed new camshaft and new Lycoming cylinder assemblies. See attached sheet for additional parts replaced. Assembled and test-run engine; checked ok. AD/SB Compliance sheets attached. <u>For Experimental Purpose Only</u>. Installed 9:1 pistons.</p> <p>*****END*****</p> <p><b>BOLDUC AVIATION SPECIALIZED SERVICES, INC.</b><br/>F. A. A. Approved Repair Station KM5R993M<br/><u>[REDACTED]</u></p> <p>Authorized Signature</p> |

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|--------------------|---------------------------|-------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-22-12            | Tach                      | 455.9             |                             | <p>Reinstalled this engine in N78GP.<br/>Sterling Model 4P SN 001. after<br/>overhaul by Bolduc Aviation.<br/>Serviced engine with Hqs Phillips<br/>20w50 type M. mineral oil. Run up<br/>Leak &amp; good. All engine runs done<br/>IATA Lycoming SI. 1427 B.</p> <p>I CERTIFY THAT THIS AIRCRAFT ENGINE<br/>HAS BEEN INSPECTED IN ACCORDANCE<br/>WITH A <i>Amel</i><br/>INSPECTION AND WAS DETERMINED TO<br/>BE IN AN AIRWORTHY CONDITION</p> <p><i>SDA</i> [Redacted Signature]</p> |

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5600 N Hwy 95 #11  
Lake Havasu City, AZ 86404  
(928) 764-1883

December 26, 2012      N78GP      Tach: 509.0

W/O 12-4031

Drained oil. Installed new oil screen. Serviced engine with 10 qts of Aeroshell 100 Plus oil. Ran engine and leak and operational check normal.

Mark Naumer      A&P/IA



5600 North Hwy 95 # 11  
Lake Havasu City, AZ 86404  
(928) 764-1883

March 8, 2013      N78GP      Tach: 512.1

W/O 13-4131

S/N L-12867-40

TSMOH: 56.2

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-79/80, 2-79/80, 3-78/80, 4-78/80, 5-78/80, 6-78/80. Checked magneto timing and wiring harness. Cleaned fuel screens. Ran engine and leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer      &P/IA

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DATE



5600 N Hwy 95 #11  
Lake Havasu City, AZ 86404  
(928) 764-1883

**November 15, 2013**      **N78GP**      **Tach: 529.5**

W/O 13-4337

Installed new CHT probe P/N 10-18500 for cylinder # 4. Ran engine and leak and operational check normal

Wade Mongold A&P



5600 North Hwy 95 # 11  
Lake Havasu City, AZ 86404  
(928) 764-1883

**April 1, 2014**      **N78GP**      **Tach: 537.6**

W/O 14-4469

S/N L-12867-40

TSMOH: 81.7

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-79/80, 2-78/80, 3-78/80, 4-78/80, 5-78/80, 6-78/80. Drained oil and cleaned oil screen. Serviced engine with 10 qts of Aeroshell 100 Plus oil. Checked magneto timing and wiring harness. Cleaned fuel screens. Installed new #4 cylinder CHT probe P/N 10-18500. Ran engine and leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer A&P/IA

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## Description of Inspections, Tests, Repairs and Alterations

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5600 North Hwy 95 # 11  
Lake Havasu City, AZ 86404  
(928) 764-1883

September 4, 2015

N78GP

Tach: 545.9

W/O 15-4869

S/N L-12867-40

TSMOH: 90.0

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-78/80, 2-74/80, 3-78/80, 4-78/80, 5-76/80, 6-78/80. Drained oil and cleaned oil screen. Serviced engine with 10 qts of Aeroshell 100 Plus oil. Checked magneto timing and wiring harness. Cleaned fuel screens. Ran engine and leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer [REDACTED] A&P/IA [REDACTED]

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5600 North Hwy 95 # 11  
Lake Havasu City, AZ 86404  
(928) 764-1883

October 7, 2016

N78GP

Tach: 552.3

W/O 16-5187

S/N L-12867-40

TSMOH: 96.4

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-75/80, 2-74/80, 3-76/80, 4-76/80, 5-73/80, 6-74/80. Drained oil and cleaned oil screen. Obtained oil sample for analysis. Serviced engine with 10 qts of Aeroshell 100 Plus oil. Replaced hardware at RH FWD section of baffle at alternator adjuster arm. Checked magneto timing and wiring harness. Cleaned fuel screens. Ran engine, leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer [REDACTED] A&P/IA [REDACTED]

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5600 North Hwy 95 # 11

Lake Havasu City, AZ 86404

(928) 764-1883

November 10, 2017    N78GP

Tach: 557.2

W/O 17-5547

S/N L-12867-40

TSMOH: 101.3

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-76/80, 2-73/80, 3-76/80, 4-73/80, 5-70/80, 6-74/80. Drained oil and cleaned oil screen. Serviced engine with 10 qts of Aeroshell 100 Plus oil. New oil dipstick o-ring P/N MS28775-214. Checked magneto timing and wiring harness. Cleaned fuel screens. Ran engine, leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer

██████████ A&P/IA

| YEAR<br>20<br>DATE | RECORDING<br>TACH<br>TIME | TODAY'S<br>FLIGHT | TOTAL<br>TIME IN<br>SERVICE | Description of Inspections, Tests, Repairs and Alterations<br>Entries must be endorsed with Name, Rating and Certificate Number of<br>Technician or Repair Facility. (See back pages for other specific entries.) |
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5600 North Hwy 95 # 11  
Lake Havasu City, AZ 86404  
(928) 764-1883

April 2, 2019

N78GP

Tach: 568.0

W/O 19-5939

S/N L-12867-40

TSMOH: 112.1

Completed Condition Inspection in accordance with FAR 43 appendix D. Serviced in accordance with Arizona Aircraft Maintenance servicing checklist. Engine compressions: 1-74/80, 2-70/80, 3-72/80, 4-70/80, 5-74/80, 6-74/80. Drained oil and cleaned oil screen. Serviced engine with 10 qts of Aeroshell 100 Plus oil. Checked magneto timing and wiring harness. Cleaned fuel screens. Ran engine, leak and operational check normal. I certify that this Engine has been inspected in accordance with a Condition Inspection and was determined to be in an airworthy condition.

Mark Naumer [REDACTED] A&P/IA [REDACTED]

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OCTOBER 10 2022,

REG. N78GP

ENGINE S/N L-12867-40

TOTAL TIME. 568.4 TSMOH 112.5

Completed Conditional Inspection in Accordance with FAR 43, appendix (d), using appendix D as checklist as a guide. Engine Compression 1 76/80, 2 74/80, 3 76/80, 4 76/80, 5 76/80, 6 74/80. Checked magneto timing and wiring harness, cleaned fuel screens, serviced engine oil with W100 plus oil. Ran engine, Leak and operation check normal. I certify that this engine has been inspected in accordance with a Conditional Inspection and was determined to be in an Airworthy Condition.

Dean Oystreck. A&P IA

[REDACTED]

[REDACTED]

NOTICE: A BYPASS VALVE IS INSTALLED  
IN THE FUEL SYSTEM UNDER THE DASH  
ON THE LEFT SIDE. THE PURPOSE OF THIS  
VALVE IS TO PURGE THE FUEL SYSTEM OF AIR.  
WHEN THE VALVE IS OPENED ALL FUEL PRESSURE  
IS ROUTED TO THE RIGHT FUEL TANK.

THE ENGINE WILL NOT RUN WITH THE  
VALVE OPEN

THE ONLY PURPOSE IS IN A "HOT START" SITUATION  
PURGING THE AIR FACILITATING STARTING