

Engine Maintenance Records

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|-------------------------------|--------------------|
| Log Number: | _____ |
| Aircraft Registration Number: | _____ |
| Engine Manufacturer: | <u>Lycoming</u> |
| Model: | <u>O-360-A4K</u> |
| Serial Number: | <u>L-24656-36A</u> |
| Date Installed on Aircraft: | _____ |
| Time Between Overhauls: | <u>2000 hours</u> |
| Engine Position: | _____ |

The Power of Experience



Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 U.S.A.


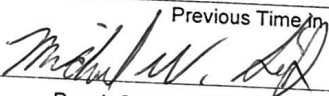
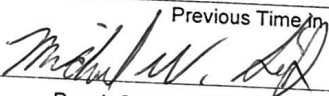
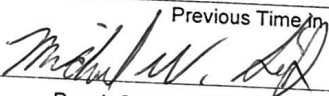
315-536-2333

Repair Station Approval

FAA: Y2GR396Y

EASA.145.5936

www.PennYanAero.com

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | Page: 1 | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------|---------------------------------|------------------------------------|---|---------|--|----------|-------------------|-------|-----------|--|--------------|--|-------------|--|---------------|--|--|--|--|--|---------|--|--------------------------|--|--|--|
| | | | | Balance Forward | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts tolerances and limits where applicable by Penn Yan Aero. Engine disassembled, cleaned, inspected, repaired, reassembled, and tested in accordance with data approved by and or acceptable to the FAA. All applicable Airworthiness Directives are in compliance. See A.D. list supplied.</p> <div style="text-align: center;">  <p>Penn Yan Aero 2499 Bath Road, Penn Yan, New York 14527 Telephone: 1-315-536-2333 www.pennyaero.com FAA Approved Repair Station: Y2GR396Y</p> </div> </div> <div style="width: 65%;"> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">22533-07</td> <td style="width: 50%;">4/5/2007</td> </tr> <tr> <td>Work Order Number</td> <td>Dated</td> </tr> <tr> <td colspan="2" style="text-align: center;">O-360-A4K</td> </tr> <tr> <td colspan="2" style="text-align: center;">Engine Model</td> </tr> <tr> <td colspan="2" style="text-align: center;">L-24656-36A</td> </tr> <tr> <td colspan="2" style="text-align: center;">Serial Number</td> </tr> <tr> <td colspan="2">Dynamic balanced engine per FAA Approved Process Spec. AMP-4302. Installed new Lycoming P/N: 05K21104 cylinder kits.</td> </tr> <tr> <td colspan="2" style="text-align: center;"> This engine has been remanufactured to Zero Time Tolerances by Penn Yan Aero. </td> </tr> <tr> <td colspan="2" style="text-align: center;">2050.19</td> </tr> <tr> <td colspan="2" style="text-align: center;">Previous Time in Service</td> </tr> <tr> <td colspan="2" style="text-align: center;">  Repair Station Y2GR396Y Authorized Signature </td> </tr> </table> </div> </div> | | | | | | 22533-07 | 4/5/2007 | Work Order Number | Dated | O-360-A4K | | Engine Model | | L-24656-36A | | Serial Number | | Dynamic balanced engine per FAA Approved Process Spec. AMP-4302. Installed new Lycoming P/N: 05K21104 cylinder kits. | | This engine has been remanufactured to Zero Time Tolerances by Penn Yan Aero. | | 2050.19 | | Previous Time in Service | |  Repair Station Y2GR396Y Authorized Signature | |
| | | | | | | 22533-07 | 4/5/2007 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Work Order Number | Dated | | | | | | | | | | | | | | | | | | | | |
| | | | | | | O-360-A4K | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Engine Model | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | L-24656-36A | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Serial Number | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | 2050.19 | | | | | | | | | | | | | | | | | | | | | |
| Previous Time in Service | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  Repair Station Y2GR396Y Authorized Signature | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | Totals – Carry Forward | | | | | | | | | | | | | | | | | | | | | | | |

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------|---------------------------|------------------------------|---|-------------|-----------------|-----------------------------|---------------|-------------|-----------------|----------------------------|---------------|----------------|-------------------|-----------------------------------|---------------|--------------|----------------|-------------------------|---------------|---------------------|------------------|-----------------------|---------------|------------|------------|----------------------------|---------------|------------|------------|--------------------------|---------------|------------|------------|--------------------------|---------------|------------|------------|--------------------------|---------------|
| | | | | <i>Balance Forward</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:</p> <p>O-360-A4K</p> <p>Engine Model</p> <p>L-24656-36A 22533-07 4/5/2007</p> <p>Serial Number Work Order Number Date</p> <p><i>[Signature]</i></p> <p>Repair Station Y2GR396Y Authorized Signature</p> <p>PENN YAN AERO</p> <p>Penn Yan Aero</p> <p>2499 Bath Road, Penn Yan, New York 14527</p> <p>Telephone: 1-315-536-2333</p> <p>www.pennyanero.com</p> <p>FAA Approved Repair Station: Y2GR396Y</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tbody> <tr> <td>4371</td> <td>99052140</td> </tr> <tr> <td>Right Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>4371</td> <td>00040587</td> </tr> <tr> <td>Left Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>10-5092</td> <td>CH-10-1653</td> </tr> <tr> <td>Injector/Carburetor - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>40295</td> <td>AA21642</td> </tr> <tr> <td>Fuel Pump - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>149-NL (New)</td> <td>FN-400632</td> </tr> <tr> <td>Starter - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Turbocharger - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Controller - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Controller - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Waste Gate - Part Number</td> <td>Serial Number</td> </tr> </tbody> </table> | | | | | 4371 | 99052140 | Right Magneto - Part Number | Serial Number | 4371 | 00040587 | Left Magneto - Part Number | Serial Number | 10-5092 | CH-10-1653 | Injector/Carburetor - Part Number | Serial Number | 40295 | AA21642 | Fuel Pump - Part Number | Serial Number | 149-NL (New) | FN-400632 | Starter - Part Number | Serial Number | N/A | N/A | Turbocharger - Part Number | Serial Number | N/A | N/A | Controller - Part Number | Serial Number | N/A | N/A | Controller - Part Number | Serial Number | N/A | N/A | Waste Gate - Part Number | Serial Number |
| 4371 | 99052140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Right Magneto - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4371 | 00040587 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Left Magneto - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10-5092 | CH-10-1653 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injector/Carburetor - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40295 | AA21642 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel Pump - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 149-NL (New) | FN-400632 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Starter - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Turbocharger - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Controller - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Controller - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Waste Gate - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals – Carry Forward | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

HERITAGE FLIGHT

CRSIGXR989E

05/07/08

2117.9 Tach

2117.9 ACTT

Engine

2117.9 ETT

N28688

W.O.SH06629

67.71 SMOH

Description of Work Performed

Certificate Number & Signature of Technician Performing Work

Page: 4

Compression check 1) 76/80 2) 75/80 3) 74/80 4) 75/80

- 1) Changed oil and filter. Serviced with Aeroshell 15W 50. Checked old filter for metal. Routine none found.
- 2) Clean gap and rotate plugs. Checked magneto timing.
- 3) Replaced induction air filter element with new BA-20

I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in **AIRWORTHY** condition

James Profit for CRSIGXR989E



NOV 23 2008 2146.1 Tach

95.91 SMOH. REPLACED OIL with SIDGEL 15W50
RUN UP - NO LEAKS FOUND.

PP 2522947

MARCH 30 2009 2156.1 Tach

CLEANED & ROTATED SPARK PLUGS.
GROUP RUN OK

PP 2522947

Totals - Carry Forward





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Totals - Carry Forward

HERITAGE FLIGHT

CRSIGXR989E

Engine

06/05/2009

N28688

2169.76 Tach

W.O.SH08602

2169.76 ACTT

2169.76 ETT

119.57 SMOH

Compression check 1) 79/80 2) 75/80 3) 78/80 4) 76/80

- 1) Changed oil and filter. Serviced with Aeroshell 15W 50. Checked old filter for metal. Routine none found.
- 2) Clean gap and rotate plugs. Checked magneto timing.
- 3) Replaced induction air filter element with new BA-20

I certify that this Engine has been inspected in accordance with an ANNUAL inspection and was determined to be in **AIRWORTHY** condition

James Proft for CRSIGXR989E

Oct 26 2009 TT 2198.1 Hrs 160.8

Replaced oil with Shell 15W 50

Run up check - no leaks.

2522947

Balance Forward

Page: 5

Description of Work Performed
Certificate Number & Signature of Technician Performing Work

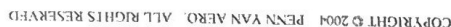
Tach or
Recording
Meter Time

Total Time
Since
Overhaul

Total Time
In Service

Date

PENN. VAN ALERE



| Date | Total Time In Service | Total Time Since Overhaul | Total Time Recording Since Tach or Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | Page: 7 |
|------|-----------------------|---------------------------|---|---|---------|
| | | | | <p>09MAR2012 TACH: 2274.54 TSMOH: 224.35 ENGINE TOTAL TIME: 2274.54 Compression: ①:79 ②:78 ③:79 ④:79. Checked Timing for 25°BTDC. Inspected fuel inlet screen, and gascolator screen. Inspected and tested induction and exhaust systems. Cleaned, inspected, gapped, tested and rotated spark plugs. Inspected lines, hoses, wires, and fittings for condition and security. Inspected engine mount and shock mounts for condition and security. Inspected engine controls for proper travel and ease of movement. Lubricated engine controls. Replaced oil filter with new AA48110. Serviced engine with 8qts Aeroshell 15W50. Checked AD's through bi-weekly 2012-05. Washed engine and ground run; operational checks satisfactory. I certify that this ENGINE Lycoming O-360-A4K S/N:L-24656-36A has been inspected in accordance with an ANNUAL inspection as described under Title 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition at this time. This inspection is on file under WO#: 2763 at Border Air Ltd., Swanton VT 05488 This engine is approved for return to service. Clifford S. Coy A&P8622690 IA</p> <p style="text-align: right;">Balance Forward</p> | |

Page: 7

| Description of Work Performed | Certificate Number & Signature of Technician Performing Work |
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Balance Forward

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | Page: 8 |
|--|-----------------------|---------------------------|------------------------------|---|---------|
| | | | | Balance Forward | |
| OCT 7 12 | 2305.68 | TCH | | Replaced oil with shell 15W50; Run up OK. PP 2522947 | |
| 01MAY2013 | TACH: 2311.14 | TSMOH: 260.95 | ENGINE TOTAL TIME: 2311.14 | | |
| Compression: ①:76 ②:75 ③:77 ④:75. Checked Timing for 25°BTDC. Inspected fuel inlet screen, and gascolator screen. Inspected and tested induction and exhaust systems. Cleaned, inspected, gapped, tested and rotated spark plugs. Inspected lines, hoses, wires, and fittings for condition and security. Inspected engine mount and shock mounts for condition and security. Inspected engine controls for proper travel and ease of movement. Lubricated engine controls. Replaced oil filter with new AA48110. Serviced engine with 8qts Aeroshell 15W50. Replaced #3 valve cover gasket with new 75906. Adjusted both mags back to 25°. | | | | | |
| Checked AD's through bi-weekly 2013-07. Washed engine and ground run; operational checks satisfactory. I certify that this ENGINE Lycoming O-360-A4K S/N:L-24656-36A has been inspected in accordance with an ANNUAL inspection as described under Title 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition at this time. This inspection is on file under WO#: 2907 at Border Air Ltd., Swanton VT 05488 This engine is approved for return to service. | | | | | |
| | | | | Clifford S. Coy A&P8622690 IA | |
| 2013 | | | | | |
| OCT 13 | | | | Replaced oil with shell 15W50. Long check OK. PP 2522947 | |
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| | | | | Totals - Carry Forward | |



01MAY2014 TACH: 2340.01 TSMOH: 289.82 ENGINE TOTAL TIME: 2340.01

Compression: 1:76 2:75 3:77 4:75. Checked Timing for 25° BTDC.

Inspected fuel inlet screen, and gascolator screen.

Inspected and tested induction and exhaust systems.
Cleaned, inspected, and tested.

Cleaned, inspected, gapped, tested and rotated spark plugs.

Inspected lines, hoses, wires, and fittings for condition and security.

Inspected engine mount and shock mounts for condition and security.
Inspected engine controls for

Inspected engine controls for proper travel and ease of movement.
Lubricated engine controls.

Lubricated engine controls.

Replaced oil filter with new AA48110. Serviced engine with 8qts Aeroshell 15W50.

Replaced #1 & #3 valve cover gaskets with new 75906. Adjusted both mags back to 25°.

Checked AD's through bi-weekly 2014-09.

Checked AD's through bi-weekly 2014-09
Washed engine and ground run; operational checks satisfactory.
I certify that this engine

I certify that this **ENGINE Lycoming O-360-A4K S/N:L-24656-36A** has been inspected in accordance with an **ANNUAL** inspection as described on the attached inspection report.

accordance with an **ANNUAL** inspection as described under Title 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition at this time.

This inspection is on file under WO#: 3015 at Border Air Ltd., Swanton VT 05488

This engine is approved for return to service.

Clifford S. Coy A&P8622690 IA

Clifford S. Co

11JUN2015 TACH: 2354.40 TSMOH: 304.21 ENGINE TOTAL TIME: 2354.40

Compression: ①:79 ②:76 ③:76 ④:76. Checked Timing for 25°BTDC.

Inspected fuel inlet screen, and gascolator screen.

Inspected and tested induction and exhaust systems.

Cleaned, inspected, gapped, tested and rotated spark plugs.

Inspected lines, hoses, wires, and fittings for condition and security.

Inspected engine mount and shock mounts for condition and security.

Inspected engine controls for proper travel and ease of movement.

Lubricated engine controls.

Checked AD's through Bi-Weekly Edition 2015-10.

Washed engine and ground run; operational checks satisfactory

I certify that this ENGINE Lycoming O-360-A4K S/N:L-24656-36A has been inspected in

accordance with an **ANNUAL** inspection as described under Title 14 CFR Part 43 Appendix

D and was determined to be in an airworthy condition at this time.

This inspection is on file under WO#:3094 at Border Air Ltd., Swanton VT 05488

This engine is approved for return to service.

Clifford S. Coy A&P8622690 IA

Certificate Number

8

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | Page: 10 |
|---|--------------------------|---------------------------------|------------------------------------|---|----------|
| 06MAY2016 | TACH: 2383.86 | TSMOH: 333.67 | ENGINE TOTAL TIME: 2383.86 | | |
| Compression(@80psi): ①:78 ②:68 ③:72 ④:75. Checked Timing for 25°BTDC. | | | | | |
| Inspected fuel inlet screen, and gascolator screen. | | | | | |
| Inspected and tested induction and exhaust systems. | | | | | |
| Cleaned, inspected, gapped, tested and rotated spark plugs. | | | | | |
| Inspected lines, hoses, wires, and fittings for condition and security. | | | | | |
| Inspected engine mount and shock mounts for condition and security. | | | | | |
| Inspected engine controls for proper travel and ease of movement. | | | | | |
| Lubricated engine controls. | | | | | |
| Replaced valve cover gaskets with (4) new 75906-S. | | | | | |
| Replaced exhaust gaskets with (4) new AEL77611. | | | | | |
| Repaired #3 Exhaust flange. | | | | | |
| Checked AD's through Bi-Weekly Edition 2016-09. | | | | | |
| Washed engine and ground run; operational checks satisfactory. | | | | | |
| I certify that this ENGINE Lycoming O-360-A4K S/N:L-24656-36A has been inspected in | | | | | |
| accordance with an ANNUAL inspection as described under Title 14 CFR Part 43 Appendix | | | | | |
| D and was determined to be in an airworthy condition at this time. | | | | | |
| This inspection is on file under WO#: 3143 at Border Air Ltd., Swanton VT 05488 | | | | | |
| This engine is approved for return to service. Clifford S. Coy A&P8622690 IA | | | | | |
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| Totals - Carry Forward | | | | | |



01AUG2017 TACH: 2402.7 TSMOH: 352.51 (05APR2007) TOTAL TIME: 2402.7

Compression (@80psi): ①:78 ②:76 ③:78 ④:77. Checked Timing for 25° BTDC.

Drained oil. Inspected oil filter element for contamination—nothing significant noted.

Inspected fuel inlet screen, and gascolator screen.

Inspected and tested induction and exhaust systems.

Cleaned, inspected, gapped, tested and rotated spark plugs.

Inspected lines, hoses, wires, and fittings for condition and security.

Inspected engine mount and shock mounts for condition and security.

Inspected engine controls for proper travel and ease of movement.

Lubricated engine controls.

Replaced oil filter with new AA48110-3.

Serviced engine with 7qts. Aeroshell 15W50.

Checked AD's through Bi-Weekly Edition 2017-14.

Washed engine and ground run; operational checks satisfactory.

I certify that this ENGINE Lycoming O-360-A4K S/N:L-24656-36A has been inspected in accordance with an ANNUAL inspection as described under Title 14 CFR Part 43 Appendix D and was determined to be in an airworthy condition at this time.

This inspection is on file under WO#: 3228 at Border Air Ltd., Swanton VT 05488

This engine is approved for return to service.

Clifford S. Coy A&P8622690 IA



September 12, 2017 N28688 W.O. 17-132 Tach Time: 2413.65

Removed engine cowling. Removed and replaced intake pipe gaskets on #1 and #2 cylinders. Removed right magneto. Replaced broken gasket under the magneto.

Adjusted timing to 25 BTC and secured magneto. Replaced terminal end on "P"

lead for right magneto. Tightened oil return hose clamps on #2 and #4 cylinder oil

return tubes. Compression taken hot with .040 orifice sized compression tester

with these results: #1 75/80, #2 76/80, #3 75/80, #4 74/80. Reinstalled cowling. I

do hereby certify the above work done in accordance with current FARs and is

found fit for further service.

John Sjaardema

A&P 2100539 IA




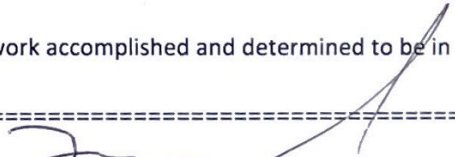
Totals - Carry Forward



Work Performed

Technician Performing Work

Page: 11

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Technician Performing Work | Page: 12 |
|------|--------------------------|---------------------------------|------------------------------------|---|----------|
| | | | | <div> <div> N28688 AA-5B Tiger March 28, 2018 </div> <div> TTAC: 2446.12 TTE: 2446.12 TT Prop: 1326.68 TACH: 2446.12 </div> <div> Engine TSO: 395.93 Prop TSO: 395.93 HOBBS: 440.6 </div> </div> <div> <p>Completed the following in accordance with AA-5B Service Manual, R4: Completed Engine Oil Change. Installed NEW Tempest Oil Filter PN:AA48110-2. Serviced Engine with 7 Quarts Aeroshell W15W-50. All Required Functional/Leak Checks carried out. No discrepancies noted.</p> <p>Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.</p> <p>=====END=====</p> <p> Brad C. McDonald-A&P, IA #:2988893</p> </div> | |
| | | | | <div> <div> N28688 AA-5B Tiger October 3, 2018 </div> <div> TTAC: 2492.42 TTE: 2492.42 TT Prop: 1372.98 TACH: 2492.42 </div> <div> Engine TSO: 442.23 Prop TSO: 442.23 HOBBS: 488.4 </div> </div> <div> <p>Completed 100 Hr. Inspection in accordance with Grumman Tiger AA-5B Maintenance Manual Figure 201 Checklist. Cylinder Compressions results: #1: 80/80, #2: 80/80, #3: 80/79, #4: 80/80. Checked Magneto Timing. Installed NEW Brackett Aero Air Filter PN:BA-20; 8 ea. NEW Tempest Spark Plugs PN:UREM40-E. Changed Oil. Installed NEW PAA-PMA Tempest Filter PN: AA48110-2. Serviced Engine with 7 Quarts of Aeroshell W15W-50. Completed Ground Run. All required Functional/Leak Checks carried out. No discrepancies noted.</p> <p>Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.</p> <p>=====END=====</p> <p> Brad C. McDonald-A&P, IA #:2988893</p> </div> | |



N28688

AA-5B Tiger

February 25, 2019

TTAC: 2533.29

TTE: 2533.29

TT Prop: 1413.85

TACH: 2533.29

Engine TSO: 483.10

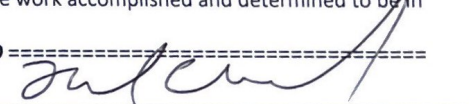
Prop TSO: 483.10

HOBBS: 529.9

Completed the following in accordance with AA-5B Service Manual, R4: Completed Engine Oil Change. Installed **NEW** Tempest Oil Filter PN:AA48110-2. Serviced Engine with 7 Quarts Aeroshell W15W-50. All Required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====



Brad C. McDonald-A&P, IA #:2988893

N28688

AA-5B Tiger

June 14, 2019

TTAC: 2564.69

TTE: 2564.69

TT Prop: 1445.25

TACH: 2564.69

Engine TSO: 514.50

Prop TSO: 514.50

HOBBS: 564.6

Completed the following in accordance with AA-5B Service Manual, R4: Completed Engine Oil Change. Installed **NEW** Tempest Oil Filter PN:AA48110-2. Serviced Engine with 7 Quarts Aeroshell W15W-50. Inspected removed filter for debris. All Required Functional/Leak Checks carried out. No discrepancies

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====



Brad C. McDonald-A&P, IA #:2988893

Balance Forward

Description of Work Performed
Certificate Number & Signature of Technician Performing Work

Date
Total Time In Service
Total Time Since Overhaul
Tach or Recording Meter Time

**N28688****AA-5B Tiger****March 17, 2021****TTAC: 2661.36****TTE: 2661.36****TT Prop: 1541.92****TACH: 2661.36****Engine TSO: 611.17****Prop TSO: 611.17****HOBBS: 634.6**

Completed 100 Hr. Inspection in accordance with Grumman Tiger AA-5B Maintenance Manual Figure 201 Checklist. Cylinder Compressions results: #1: 80/79, #2: 80/80, #3: 80/79, #4: 80/78. Checked Magneto Timing. Installed NEW Brackett Aero Air Filter PN:BA-20; Changed Oil. Installed NEW FAA-PMA Tempest Filter PN: AA48110-2. Serviced Engine with 7 Quarts of Philips66 X/C 20W-50. Completed Ground Run. All required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

Brad C. McDonald-A&P, IA #:2988893

N28688**AA-5B Tiger****March 17, 2021****TTAC: 2661.36****TTE: 2661.36****TT Prop: 1541.92****TACH: 2661.36****Engine TSO: 611.17****Prop TSO: 611.17****HOBBS: 634.6**

Completed 100 Hr. Inspection in accordance with Grumman Tiger AA-5B Maintenance Manual Figure 201 Checklist. Cylinder Compressions results: #1: 80/79, #2: 80/80, #3: 80/79, #4: 80/78. Checked Magneto Timing. Installed 8 ea. **NEW** FAA-PMA Tempest Spark Plugs PN: UREM40E. Installed **NEW** Brackett Aero Air Filter PN:BA-20; Changed Oil. Installed **NEW** FAA-PMA Tempest Filter PN: AA48110-2. Serviced Engine with 7 Quarts of Philips66 X/C 20W-50. Completed Ground Run. All required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

Brad C. McDonald-A&P, IA #:2988893

N28688**AA-5B Tiger****October 22, 2021****TTAC: 2758.74****TTE: 2758.74****TT Prop: 1639.30****TACH: 2758.74****Engine TSO: 708.55****Prop TSO: 708.55****HOBBS: 634.6**

Completed the following in accordance with Grumman AA5B Aircraft Service Manual, Electroair EIS-41000 Instructions for Continued Airworthiness, STC SA04032CH and STCSA02987CH:
Installed Electroair Electronic Ignition System Kit PN: EIS-41000IC, SN:21-364-002 (25°)
Removed Left Slick Magneto Model No:4371, SN:00040587.

Installed:

1 ea. FAA-PMA EIS Controller PN: EA-20000, SN: 21-363-004

1 ea. FAA-PMA Coil Pack PN: AE-2000, SN: 21-219-006

1 ea. FAA-PMA MAG Timing Housing (MTH) PN: EA-3000IC SN: 21-323-008

4 ea. FAA-PMA Electroair Spark Plugs PN: EARHM38SE

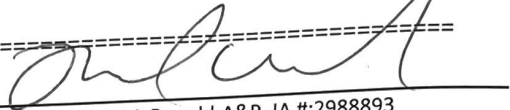
4 ea. FAA-PMA Ignition Leads

1 ea. FAA-PMA Ignition/Starter Switch Panel PN:EA-13000

New Weight and Balance form created. Performed Test Run. All required functional/leak checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

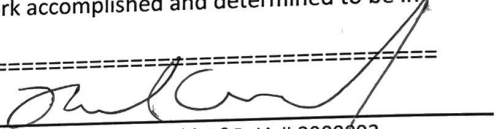

Brad C. McDonald-A&P, IA #:2988893

N28688**AA-5B Tiger****December 20, 2021****TTAC: 2780.49****TTE: 2780.49****TT Prop: 1661.05****TACH: 2780.49****Engine TSO: 730.30****Prop TSO: 730.30****HOBBS: N/R**

Completed the following in accordance with AA-5B Service Manual, R4: Completed Engine Oil Change. Installed **NEW** Tempest Oil Filter PN:AA48110-2. Serviced Engine with 7 Qts. of Philips66 X/C 20W-50. Cut open and examined removed Oil Filter. All Required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====


Brad C. McDonald-A&P, IA #:2988893



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020
Exp 01/31/2023

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft

Nationality and Registration Mark
United States - N28688

Serial No. AA5B-0757

Make
Grumman

Model
AA5B

Series

2. Owner

Name (As shown on registration certificate)
Tiger 688 INC

Address (As shown on registration certificate)

Address 11100 Airport Highway

City Swanton

State OH

Zip 43558-8374

Country United States of America

3. For FAA Use Only

4. Type

5. Unit Identification

| Repair | Alteration | Unit | Make | Model | Serial No. |
|--------------------------|-------------------------------------|------------|----------------------|--------------------------------|-------------|
| <input type="checkbox"/> | <input type="checkbox"/> | AIRFRAME | Grumman | (As described in Item 1 above) | AA5B-0757 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | POWERPLANT | Lycoming | O-360-A4K | L-24656-36A |
| <input type="checkbox"/> | <input type="checkbox"/> | PROPELLER | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | APPLIANCE | Type Manufacturer | | |

6. Conformity Statement

A. Agency's Name and Address

Name Brad Charles McDonald

Address 1943 BucklewDr.

City Toledo State OH

Zip 43613 Country United States of America

B. Kind of Agency

☒ U. S. Certified Mechanic

Manufacturer

☐ Foreign Certified Mechanic

☐ Certified Repair Station

☐ Certified Maintenance Organization

C. Certificate No.

2988893

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel
per 14 CFR Part 43
App. B ☐

Signature/Date of Authorized Individual

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

| BY | FAA Flt. Standards Inspector | Manufacturer | Maintenance Organization | Persons Approved by Canadian Department of Transport |
|--|------------------------------|---|--|--|
| | FAA Designee | Repair Station | <input checked="" type="checkbox"/> Inspection Authorization | Other (Specify) |
| Certificate or Designation No. 2988893 | | Signature/Date of Authorized Individual | | |

Description of Work Performed
f Technician Performing Work

N28688

AA-5B Tiger

March 24, 2022

TTAC: 2826.43

TTE: 2826.43

TT Prop: 1706.99

TACH: 2826.43

Engine TSO: 776.24

Prop TSO: 776.24

HOBBS: NR

Completed 100 Hr. Inspection in accordance with Grumman Tiger AA-5B Maintenance Manual Figure 201 Checklist. Cylinder Compressions results: #1: 78/80, #2: 78/80, #3: 73/80, #4: 78/80. Checked Magneto Timing. Removed FAA-PMA Sky-Tec Starter PN:149-NL, SN:FN-400632 and installed NEW Sky-Tec Starter PN:149NL, SN:H-V100688. Installed **NEW** Brackett Aero Air Filter PN:BA-20; Changed Oil. Installed **NEW** FAA-PMA Tempest Oil Filter PN: AA48110-2. Cut open and inspected old filter. Results normal. Serviced Engine with 7 Quarts of Philips66 X/C 20W-50. Completed Ground Run. All required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

Brad C. McDonald-A&P, IA #:2988893

N28688

AA-5B Tiger

April 8, 2022

TTAC: 2439.04

TTE: 2439.04

TT Prop: 1717.80

TACH: 2837.24

Engine TSO: 388.85

Prop TSO: 388.85

HOBBS: N/R

Completed the following in accordance with Grumman AA5B Aircraft Service Manual: Installed **NEW** Rapco Vacuum Pump PN:RAP215CC, SN:A77339. Installed **NEW** Rapco FAA/PMA Vacuum System Filter PN:RA1J7-1. Performed Test Run. All required functional/leak checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

Brad C. McDonald-A&P, IA #:2988893

N28688

AA-5B Tiger

November 22, 2022

TTAC: 2930.00

TTE: 2930.00

TT Prop: 1810.56

TACH: 2930

Engine TSO: 879.81

Prop TSO: 879.81

HOBBS: N/R

Completed the following in accordance with AA-5B Service Manual, R4: Completed Engine Oil Change. Installed **NEW** Tempest Oil Filter PN:AA48110-2. Serviced Engine with 7 Qts. of Philips66 X/C 20W-50. Cut open and examined removed Oil Filter. All Required Functional/Leak Checks carried out. No discrepancies noted.

Aircraft Approved for Return To Service in respect to the work accomplished and determined to be in Airworthy Condition.

=====END=====

Brad C. McDonald-A&P, IA #:2988893

Tach or

Total Time

Date