

Penn Yan Aero Engine Warranty - New Cylinders - 2 year/500 Hours

Penn Yan Aero Service, Inc. warrants their engines, remanufactured by them utilizing new cylinders to be free from defects in material and workmanship under normal use and service for a period of TWO YEARS FROM DELIVERY OR 500 hours of operation, whichever event will occur first.

After two years or five hundred hours, and prior to the manufacturer's published TBO, the cost of repair or replacement (including the cost of parts and labor) at Penn Yan Aero's option, will be pro rated in the following manner: The customer will pay the price of the repair or replacement divided by manufacturer's published TBO and multiplied by the number of hours on the engine (which will be deemed the greater of the actual operated hours or time at forty hours per month from the date of installation). Labor reimbursement is per Penn Yan Aero's flat rate allowance. After the initial one year, Penn Yan Aero will not assume any responsibility for the repair or replacement of engine accessories, e.g., magnetos, starter, alternator, fuel injector, or carburetor.

Penn Yan Aero's obligation under this warranty is limited to the repair or replacement, at their option, of any part, component or engine which in their opinion, is defective and which has been returned to their facility, transportation prepaid. Penn Yan Aero Service, Inc. assumes no obligation for work accomplished at a facility other than their own unless prior written authorization is given by them. Penn Yan Aero Service, Inc. reserves the right to furnish any parts and/or components required and if requested, the owner must return warranted parts and/or components to Penn Yan Aero for our examination, properly identified, including warranty paperwork, transportation prepaid.

This warranty will not apply to engines, their component parts or accessories, which have been improperly installed, adjusted, stored, handled, repaired, altered, or operated contrary to the aircraft flight manual, current manufacturer's or Penn Yan Aero Service, Inc. recommendations. It will not apply to engines or accessories subject to misuse, neglect, accident, corrosion or lack of preventive maintenance as prescribed by the manufacturer.

Warranties will not be granted for trouble-shooting or removal and installation of engines, or components or accessories, for normal routine maintenance, inspections, or adjustments. Replacement or repair of an engine, component, or accessory will not be construed to extend the initial warranty period. Penn Yan Aero Service, Inc. shall not be responsible for any down time or travel cost, including incidental expenses associated with loss of use due to warranty conditions.

This warranty is expressed in lieu of all other and representations, expressed or implied, and all other obligations and liabilities, either direct or consequential on the part of Penn Yan Aero Service, Inc.

W.O. No.: 12437-03


Date: 8/12/2003

Serial Number: L-28263-27A



Penn Yan Aero Service, Inc.
2499 Bath Road, Penn Yan, New York 14527
Telephone: 315-536-2333
www.pennyanero.com
FAA Approved Repair Station: NJ1R350K

[illegible]

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Person Performing Work | Page: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------|---------------------------|------------------------------|--|-------------------|-----------------|-----------------------------|---------------|-------------------|-----------------|----------------------------|---------------|----------------|----------------|-----------------------------------|---------------|-----|-----|-------------------------|---------------|----------------|----------------|-----------------------|---------------|-----|-----|----------------------------|---------------|-----|-----|--------------------------|---------------|-----|-----|--------------------------|---------------|-----|-----|--------------------------|---------------|--|
| | | | | <p>The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:</p> <p style="text-align: center;">O-360-A4M Engine Model</p> <p>L-28263-27A 12437-03 8/12/2003 Serial Number Work Order Number Date</p> <div style="background-color: black; width: 100px; height: 20px;"></div> <p>Repair Station NJ1R350K Authorized Signature</p>  <p>Penn Yan Aero Service, Inc 2499 Bath Road, Penn Yan, New York 14527 Telephone: 1-315-536-2333 www.pennyan aero.com FAA Approved Repair Station: NJ1R350K</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | <table border="0"> <tr> <td>4370 (New)</td> <td>03061069</td> </tr> <tr> <td>Right Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>4371 (New)</td> <td>03052280</td> </tr> <tr> <td>Left Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>10-5193</td> <td>G508259</td> </tr> <tr> <td>Injector/Carburetor - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Fuel Pump - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>MHB4010</td> <td>2050547</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> </table> | 4370 (New) | 03061069 | Right Magneto - Part Number | Serial Number | 4371 (New) | 03052280 | Left Magneto - Part Number | Serial Number | 10-5193 | G508259 | Injector/Carburetor - Part Number | Serial Number | N/A | N/A | Fuel Pump - Part Number | Serial Number | MHB4010 | 2050547 | 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 | |
| 4370 (New) | 03061069 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Right Magneto - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4371 (New) | 03052280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Left Magneto - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10-5193 | G508259 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Injector/Carburetor - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N/A | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel Pump - Part Number | Serial Number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MHB4010 | 2050547 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

George,

Here is the work order for the engine you inquired about. The engine was altered from an O-320-E2D to an O-360-A4M in accordance with our FAA Approved Repair Station Process Specification PY-EMC-01. The cylinders installed were Engine Components Inc. Titan cylinders P/N: AEL65102, with Serial Numbers 8963-15, 8623-22, 8981-4, & 8981-2. These cylinders are included in AD09-26-12 and ECI Mandatory SB08-1. Please let me know if you need anything further.

Sincerely,

Timothy Hansen

Chief Inspector

800-727-7230 ext. 7207

315-536-2333

Penn Yan Aero

2499 Bath Road

Penn Yan, New York 14527

U. S. A.

Part 145 FAA Repair Station Number: Y2GR396Y

EASA. 145.5936

2499 Bath Road
Penn Yan, New York 14527

315/536-2333

Customer HOF01 / HUGH HOFFMAN

Cust RO#

Work Req EXCHANGE

P/N O-360-A4M / ENGINE

Step Awaiting Parts.

S/N L-28263-27A

Mfg LYCOM

FAA ID NO. NJIR350K

WORK ORDER #12437-03

Dept #ENG Page NO. 1

Location ENG

Warranty Code 00 / 0

Goodthru AD# 03-15

Reason/Rm MOHX

Manual#

Rev. / /

Rev#

ATA NO.:

Date Reqrd 08/11/2003

Date Estmtd / /

PRELIMINARY INSPECTION:

DATE: 07/22/2003

INSPECTOR: THANSEN

PROP WO# 12562-03

PRE TEST (Yes/No) N

DATE: / /

INSPECTOR:

Not required

HIDDEN DAMAGE:

No hidden damage.

TEARDOWN FINDINGS:

Normal runout engine core. No abnormal wear or damage noted.

TECHNICIAN: KPRIDMORE

DATE: 07/22/2003

INSPECTOR: THANSEN

FINAL INSPECTION BEFORE ASSEMBLY:

DATE: 07/24/2003

INSPECTOR: THANSEN

CORRECTIVE ACTION:

This engine has been overhauled to manufacturer's new part limits and tolerances. It has been disassembled, cleaned, inspected, repaired and tested in accordance with data approved by or acceptable to the FAA. This engine has been altered from an O-320-E2D to an O-360-A4M in accordance with FAA Approved Penn Yan Aero Service, Inc. Process Specification PY-EMC-01. This engine has been dynamically balanced in accordance with FAA Approved Process Specification AMP-4302. Test cell run satisfactory for return to service.

TECHNICIAN: RHAMM

DATE: 08/06/2003

INSPECTOR: THANSEN

MODIFICATION/SERVICE BULLETINES:

Applicable AD's have been complied with. See separate AD sheet supplied.

Test Data Used: Data approved or acceptable to the FAA.

Test Technician: MLANPHEAR

DATE: 08/08/2003

Inspector: THANSEN

DATE: 08/08/2003

Final Inspection: THANSEN

DATE: 08/12/2003

Technician:

DATE: / /



PENN YAN AERO SERVICE, INC.

2499 Bath Road

Penn Yan, New York 14527

FAA ID NO. NJ1R350K

WORK ORDER #12437-03

315/536-2333

Dept #ENG Page NO. 2

Customer HOF01 / HUGH HOFFMAN

Location ENG

Cust RO#

Step AWAITING PARTS.

Warranty Code 00 / 0

Work Req EXCHANGE

Goodthru AD# 03-15

P/N O-360-A4M / ENGINE

S/N L-28263-27A

Mfg LYCOM

| Inspector: | | DATE: / / | | | |
|----------------------|----------------|----------------------------|----|------|---------------|
| ADDITIONAL COMMENTS: | | | | | |
| (1) | | | | | |
| (2) | | | | | |
| PARTS DETAIL: | | | | | |
| Line# | PART NUMBER | DESCRIPTION | CD | Qty | Serial Number |
| 1 | 07A21443 | BRACKET-ALTERNATOR | NE | 1.00 | |
| 2 | 10-5193-M | CARB PREC (RB) | RB | 1.00 | G508259 |
| 3 | 204418-156 | FILTER ADAPTER | NE | 1.00 | |
| 4 | 4370 | MAGNETO | NE | 1.00 | 03061069 |
| 5 | 4371 | MAGNETO | NE | 1.00 | 03052280 |
| 6 | 65098 | COVER FUEL PUMP | NE | 1.00 | |
| 7 | 72877R-0 | REGROUND LIFTER OUTRIGHT | NE | 8.00 | |
| 8 | 75339 | BAFFLE ASSY | NE | 2.00 | |
| 9 | 75761 | TUBE | NE | 1.00 | |
| 10 | 75767 | TUBE | NE | 1.00 | |
| 11 | 76908 | BRACKET | NE | 1.00 | |
| 12 | 76EM8SPY-0-60 | STC PROPELLER | NE | 1.00 | 36423K |
| 13 | AEL0360A4M-KIT | CASE, CRANK & RELATED PART | NE | 1.00 | 21/6 |
| 14 | CH48110 | OIL FILTER | NE | 1.00 | |
| 15 | LW-10729 | LINK ALT | NE | 1.00 | |
| 16 | LW-14768 | GAGE ASSY | NE | 1.00 | |
| 17 | LW-38-0.75 | BOLT | NE | 2.00 | |
| 18 | M4001 | HARNESS (COMPLETE) | NE | 1.00 | |
| 19 | MHB4010R | STARTER | OH | 1.00 | 2050547 |
| 20 | MS16625-2081 | SNAP RING * | NE | 1.00 | |
| 21 | REM40E | SPARK PLUG | NE | 8.00 | |
| 22 | SL13521A | ROD BEARING | NE | 8.00 | |
| 23 | SL53E19600 | VERNATHERM | NE | 1.00 | 23003 |
| 24 | SL62417 | PLUG, OIL COOLER | NE | 1.00 | |
| 25 | SL72220 | GASKET | NE | 1.00 | |
| 26 | SL74637 | BUSHING | NE | 8.00 | |
| 27 | SL75439-1 | GASKET SET | NE | 1.00 | |
| 28 | SL78290 | LIFTER, PLUNGER | NE | 8.00 | |
| 29 | STD-1856 | SCREW | NE | 2.00 | |



PENN YAN AERO SERVICE, INC.

2499 Bath Road

Penn Yan, New York 14527

FAA ID NO. NJ1R350K

WORK ORDER #12437-03

315/536-2333

Dept #ENG Page NO. 3

Customer HOF01 / HUGH HOFFMAN

Location ENG

Cust RO#

Step AWAITING PARTS.

Warranty Code 00 / 0

Work Req EXCHANGE

Goodthru AD# 03-15

P/N O-360-A4M / ENGINE

S/N L-28263-27A

Mfg LYCOM

MAINTENANCE RELEASE RECORD

THE COMPONENT IDENTIFIED ABOVE WAS OVERHAULED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION, AND IS APPROVED FOR RETURN TO SERVICE. OTHER PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

Approved return to Service By TIMOTHY HANSEN [REDACTED] Date Aug 12, 2003

WOPSTM



| Description | Quantity | Unit | Value |
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-AD's checked; compliance record in logbook

- Removed Lycoming O-320-H2AD Engine S/N L-3669-76; installed Penn Yan Aero 180hp STC Conversion Engine Lycoming O-360-A4M, SN L-28263-27A in accordance with STC SA703GL
- Removed McCauley Propeller S/N 1C1601DTM; Installed Sensenich Superhawk Propeller S/N36577K per STC SA703GL
- Removed Powerflow Exhaust System; sent to Powerflow for modifications to fit Penn Yan Aero Engine Conversion; Reinstalled Powerflow Exhaust System
- Repaired and modified baffles to fit conversion
- Re-positioned oil access door and patched existing
- Align prop spinner and bulkhead

- Installed slimline carburetor temperature digital gauge (JPI Instruments)
- Installed Prop Guard on prop
- Installed new carburetor heat control cable
- Installed 24V auxiliary power source
- Replaced all brake linings

- Prep and Paint spinner and top cowl piece
- Prep and Paint wheel fairing moldings & door jams

Tom McCrea A&P 1A

I certify that this Aircraft - Engine - Propeller has been inspected i.a.w. an Annual Inspection - 100 Hour Inspection - 50 Hour Inspection & found to be airworthy for return to service. All AD's checked through 20579. See AD list.

[illegible]

Certificate Number & Signature of Person Performing Work

Page

Description

Changed oil & filter

Carb heat tem gauge inop, carb heat cable: repaired as necessary

Paint/prep supplies

Tom McCrea A&P

I certify that this Aircraft - Engine - Propeller has been inspected i.a.w. an Annual Inspection - 100 Hour Inspection - 50 Hour Inspection & found to be airworthy for return to service. All AD's checked through 20422. See AD list.

| Date | Total Time In Service | Total Time Since Overhaul | Tach or Recording Meter Time | Description of Work Performed Certificate Number & Signature of Person Performing Work | Page: |
|-----------|--------------------------|---------------------------------|------------------------------------|--|-------|
| | | | | Balance Forward | |
| 9/11/2011 | TTAF 2694 | TACH 2694 | TSMOH 819 | C/W 100 HR INSPECTION, COMPRESSIONS WERE ① 78/80 ② 78/80 ③ 78/80 ④ 78/80, CHANGED OIL + FILTER SERVICE WITH 8 QTS W100 + 48110 FILTER, CHANGED # 3 VALVE COVER GASKET PART # RG-7806, INSPECTED ENGINE AND FOUND AIRWORTHY TO RETURN TO SERVICE [REDACTED] A+P | |
| 12/20/10 | TTAF 2692.0 | | | TSMOH 917 C/W 100 HR INSPECTION, COMPRESSIONS WERE ① 77/80 ② 78/80 ③ 77/80 ④ 78/80 CHANGED OIL + FILTER SERVICED WITH 8 QTS W100 + 48110 FILTER SERVICED PLUGS + CLEANED + GAPPED. INSPECTED ENGINE AND FOUND AIRWORTHY TO RETURN TO SERVICE [REDACTED] A+P | |
| | | | | 3/1/11 Tach 2827 TSMOH 952 C/W Annual inspection. Compressions were 1.78/80 2. 78/80 3. 77/80 4.77/80 Changed oil and filter, services with 8 qts W100 and 48110 filter. Cleaned and gapped plugs changed # 3 valve cover gasket, cleaned engine for oil leaks. Inspected engine and found airworthy to return to service. Donel S. Bonner [REDACTED] IA [REDACTED] | |
| | | | | 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 Person Performing Work | Page: |
|---------|-----------------------|---------------------------|------------------------------|---|--|
| | | | | Balance Forward | |
| 1/28/11 | TACH | 2848 | | CHANGED OIL & FILTER SERVICED WITH 8QTS W100 + 48110 FILTER LEAK CHECK GOOD! [REDACTED] APP | |
| 6/4/11 | TACH | 2895 | | CHANGED OIL & FILTER (FOR AERO POW & 48110 FILTER) CK FOR SECURITY & LEAKS. OPS CK GOOD. [REDACTED] APP | |
| 7/3/11 | TACH TSMOH | 2921 1052 | | C/W 100 HR INSPECTION ICW CESSNA SERVICE MANUAL COMPRESSIONS WERE ① 78/90 ② 77/90 ③ 77/90 ④ 76/90, CHANGED OIL & FILTER, SERVICED WITH 8QTS W100 + 48110 FILTER CLEANED & GAPPED PLUGS, INSPECTED ENGINE AND FOUND APPROPRIATE TO RETURN TO SERVICE. [REDACTED] APP | |
| | | | | Totals - Carry Forward | |