

| DATE | TOTAL<br>TIME IN<br>SERVICE |
|------|-----------------------------|
|------|-----------------------------|

9/21/2017  
N2103T  
WO 0647

- The aircraft and/or components were repaired and inspected in accordance with the current rules and guidance of the Federal Aviation Regulations and was Airworthy for return to service only for the work performed.

Tyson Aldrich AP

10/17/2017 Tach 2106.4 AFTT 7215.6 TTE 3874.9 TSMOH 1120.9 N2103T  
WO 0700

8. Repositioned fuel line to distributor where it was chafing tube. Clamped and secured.
- I certify this engine has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with Lycoming M.M., FAR 43 Appendix D and IFT checklist. Engine has been deemed airworthy and returned to service.

Robert Viramontes AP

WO 0753

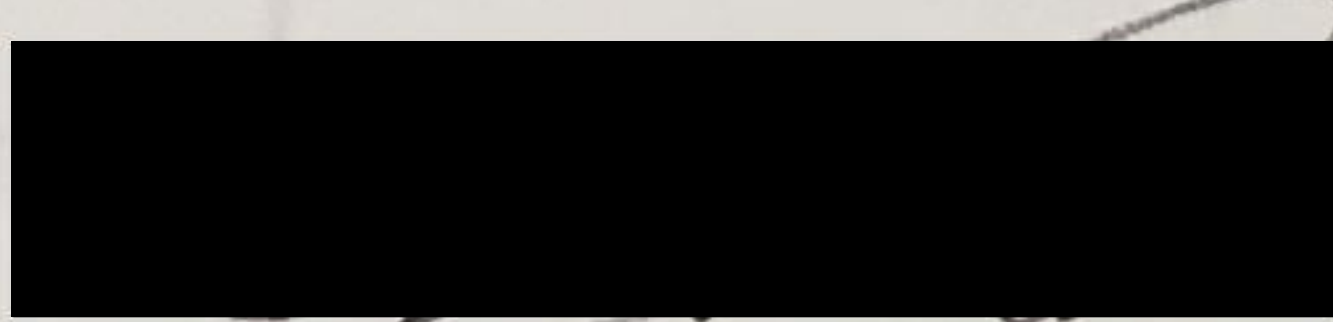
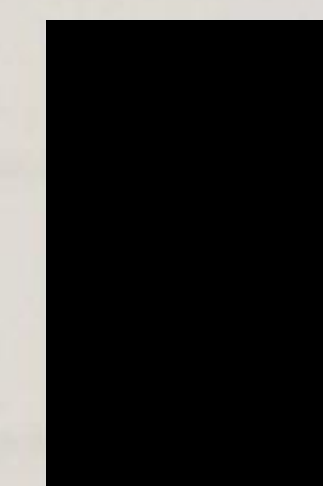
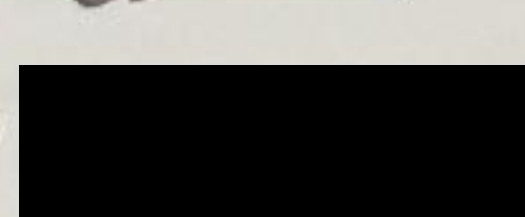
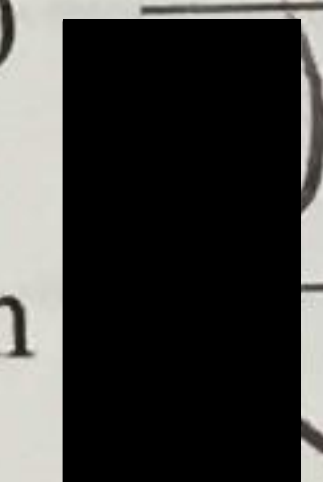
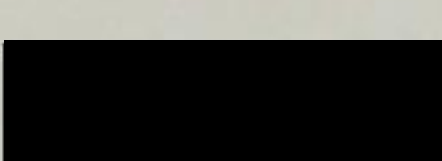
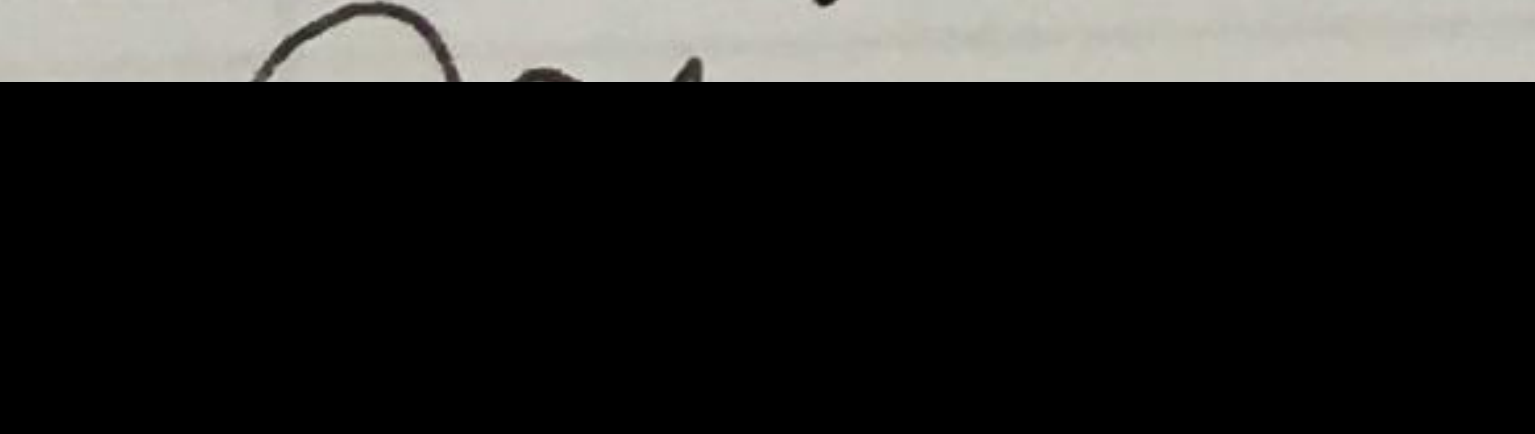
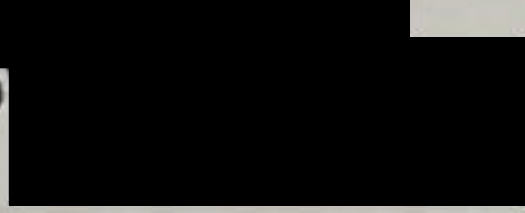
- The aircraft and/or components were repaired and inspected in accordance with the current rules and guidance of the Federal Aviation Regulations and was Airworthy for return to service only for the work performed.

Tyson Aldrich AP

**TOTALS** - Carry forward to next page

[illegible]



| DATE | TSN | TS                                                                                                        | DESCRIPTION OF WORK PERFORMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FORMED<br>FORMING WORK                                                                |
|------|-----|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|      |     | 5/4/2017 Tach 1712.4 AFTT 6821.6 TTP 8305.9 TSMOH 726.9<br>N2103T<br>WO 0251                              | 1. Performed 100 hour inspection.<br>I certify this propeller has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with McCauley M.M., FAR 43 Appendix D, and IFT checklist. Propeller has been deemed airworthy and returned to service.                                                                                                                                                                                                                                                                                                    |                                                                                       |
|      |     |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |
|      |     | Tyson Aldrich AP        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |
|      |     | 6/14/2017 Tach 1811.5 AFTT 6920.7 TTP 8405.0 TSMOH 826.0<br>N2103T<br>WO 0360                             | 1. Performed 100 hour inspection.<br>2. Removed propeller and forward spinner bulkhead due to cracks on bulkhead. Replaced spinner bulkhead with new P/N 0552231-1. Inspected propeller bolts. Bolts good. Installed bolts. Torqued to 65 foot pounds IAW Cessna M.M. Callout for 55-65 foot pounds. Safetied with .041 safety wire.<br>I certify this propeller has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with McCauley M.M., FAR 43 Appendix D, and IFT checklist. Propeller has been deemed airworthy and returned to service. |                                                                                       |
|      |     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|      |     | Tyson Aldrich AP      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |
|      |     | 7/28/2017 Tach 1911.3 AFTT 7020.5 TTP 8504.8 TSMOH 925.8<br>N2103T<br>WO 0471                             | 1. Performed 100 hour inspection.<br>I certify this propeller has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with McCauley M.M., FAR 43 Appendix D, and IFT checklist. Propeller has been deemed airworthy and returned to service.                                                                                                                                                                                                                                                                                                    |                                                                                       |
|      |     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
|      |     | Robert Viramontes AP  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |

**K PERFORMED**  
PERSON PERFORMING WORK

DATE

TS

9/7/2017 Tach 2010.2 AFTT 7119.4 TTP 9603.7 TSMOH 1024.7  
N2103T  
WO 0593

1. Performed 100 hour inspection.  
I certify this propeller has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with McCauley M.M., FAR 43 Appendix D, and IFT checklist. Propeller has been deemed airworthy and returned to service.

Tyson Aldrich AP

9/7/2017 Tach 2010.2 AFTT 7119.4 TTP 9603.7 TSMOH 1024.7  
N2103T  
WO 0593

1. Installed new forward spinner bulkhead P/N 0552231-1.  
Torqued propeller bolts to spec IAW McCauley M.M. and safetied.  
The aircraft and/or components were repaired and inspected in accordance with the current rules and guidance of the Federal Aviation Regulations and was Airworthy for return to service only for the work performed.

Robert Viramontes AP

10/17/2017 Tach 2106.4 AFTT 7215.6 TTP 8699.9 TSMOH 1120.9  
N2103T  
WO 0700

1. Performed 100 hour inspection.  
I certify this propeller has been inspected in accordance with a 100 hour inspection. Inspection done in accordance with McCauley M.M., FAR 43 Appendix D, and IFT checklist. Propeller has been deemed airworthy and returned to service.

Robert Viramontes AP

# IASCO

FAA Certified Repair Station  
NN3R716L

## Revision of Weight and Balance

Cessna 172R

N2103T

S/N 17281205

Date: 7-6-2011

|                                                | Weight  | Arm   | Moment   |
|------------------------------------------------|---------|-------|----------|
| Previous Empty Weight                          |         |       |          |
| W/B dated 4-21-2011                            | 1676.20 | 40.88 | 68519.08 |
| Removed Original Landing Lamp                  | -0.45   | 25.30 | -11.39   |
| Removed Original Taxi Lamp                     | -0.45   | 25.30 | -11.39   |
| Installed Knot2U HID Light Assembly/PAR36 Lamp | 0.95    | 25.30 | 24.04    |
| Installed Knot2U HID Light Assembly/PAR46 Lamp | 1.12    | 25.30 | 28.34    |
| Basic Empty Weight                             | 1677.37 | 40.87 | 68548.68 |

Aircraft new empty weight

1677.37

Aircraft new C.G.

40.87

Aircraft new moment

68548.68

Aircraft Gross ramp weight

2457.00

Aircraft new useful load

779.63

Inspector

IASCO, FAA CRS-NN3R716L

## Aircraft Maintenance Sheet

|        |                    |      |        |            |
|--------|--------------------|------|--------|------------|
| N2103T | 172R s/n 172-81205 | AFTT | 7215.6 | 10/17/2017 |
|--------|--------------------|------|--------|------------|

| Inspection          | Date C/W   | AFTT   | Next Due  |
|---------------------|------------|--------|-----------|
| 50 Hour inspection  | 10/17/2017 | 7215.6 | 7265.6    |
| 100 Hour inspection | 10/17/2017 | 7215.6 | 7315.6    |
| Annual Inspection   | 2/8/2017   |        | 2/28/2018 |

|                            |        |
|----------------------------|--------|
| ELT inspection FAR 91.207D | 09/18  |
| ELT Battery                | 08/19  |
| Transponder Inspection     | 04/18  |
| Pitot/Static Inspection    | 04/18  |
| Engine TSMOH               | 1120.9 |

### Recurring AD's

|                                       |           |        |        |
|---------------------------------------|-----------|--------|--------|
| AD2015-19-07 Fuel Lines               | ea 100hrs | 7215.6 | 7315.6 |
| AD84-26-02 Paper induction air filter |           | 7089.6 | 7589.6 |
| AD2013-11-11 Oil Pressure Switch      |           | 4905.1 | 7905.1 |



This is to certify that the engine described hereafter has been overhauled by Penn Yan Aero to new parts tolerances and limits as specified by the manufacturer. 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.

This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302.

Installed new Lycoming P/N: 05K21104 cylinder kits at this time.

Authorized Signature

Our WO#  
43386-16

Engine Model  
IO-360-L2A

Dated  
3/15/2016

Serial Number  
L-29325-51A

This engine has been overhauled to Zero Time Tolerances by  
Penn Yan Aero

Previous Time in Service  
2754



Penn Yan Aero

2499 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

**WORK ORDER FORM 100****\*43386\*****PENN YAN AERO**2499 Bath Road  
Penn Yan, New York 14527

315/536-2333

FAA ID NO. Y2GR396Y

WORK ORDER #43386-16

Dept #ENG Page NO. 1

Location ENG

Customer IAS01 / IASCO FLIGHT TRAINING, IN

Cust RO#

Step AWAITING INSPECTION.

Warranty Code 00 / 0

Work Req OUTRIGHT

Goodthru AD# 16-05

P/N IO-360-L2A / ENGINE

S/N L-29325-51A

Mfg TEX01

|                                                                                                                                                                                                                                                                                                                                                                                                      |         |                  |                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|-----------------------|
| Reason/Rm                                                                                                                                                                                                                                                                                                                                                                                            | Manual# | Rev. / /         | Rev#                  |
| ATA NO.:                                                                                                                                                                                                                                                                                                                                                                                             |         |                  |                       |
| Date Reqrd / /                                                                                                                                                                                                                                                                                                                                                                                       |         |                  |                       |
| Date Estmtd / /                                                                                                                                                                                                                                                                                                                                                                                      |         |                  |                       |
| PRELIMINARY INSPECTION:                                                                                                                                                                                                                                                                                                                                                                              |         | DATE: 01/29/2016 | INSPECTOR: J. SCHENCK |
| No shipping damage.                                                                                                                                                                                                                                                                                                                                                                                  |         |                  |                       |
| PRE TEST (Yes/No) N                                                                                                                                                                                                                                                                                                                                                                                  |         | DATE: / /        | INSPECTOR:            |
| Not required.                                                                                                                                                                                                                                                                                                                                                                                        |         |                  |                       |
| HIDDEN DAMAGE:                                                                                                                                                                                                                                                                                                                                                                                       |         |                  |                       |
| No hidden damage.                                                                                                                                                                                                                                                                                                                                                                                    |         |                  |                       |
| TEARDOWN FINDINGS:                                                                                                                                                                                                                                                                                                                                                                                   |         |                  |                       |
| Normal runout engine core.                                                                                                                                                                                                                                                                                                                                                                           |         |                  |                       |
| TECHNICIAN: R.ANDREWS                                                                                                                                                                                                                                                                                                                                                                                |         | DATE: 01/30/2016 | INSPECTOR: T.HANSEN   |
| FINAL INSPECTION BEFORE ASSEMBLY:                                                                                                                                                                                                                                                                                                                                                                    |         | DATE: 02/03/2016 | INSPECTOR: T.HANSEN   |
| CORRECTIVE ACTION:                                                                                                                                                                                                                                                                                                                                                                                   |         |                  |                       |
| This engine has been overhauled to manufacturer's new part limits and tolerances where applicable. It has been disassembled, cleaned, inspected, repaired, and reassembled in accordance with data approved by or acceptable to the FAA. This engine has been dynamic balanced in accordance with FAA Approved Process Specification AMP-4302. Test cell run was satisfactory for return to service. |         |                  |                       |
| TECHNICIAN: D.CARROLL                                                                                                                                                                                                                                                                                                                                                                                |         | DATE: 03/11/2016 | INSPECTOR: T.HANSEN   |
| 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: D.LEDGERWOOD                                                                                                                                                                                                                                                                                                                                                                        |         | DATE: 03/15/2016 |                       |
| Inspector: T.HANSEN                                                                                                                                                                                                                                                                                                                                                                                  |         | DATE: 03/15/2016 |                       |
| Final Inspection: T.HANSEN                                                                                                                                                                                                                                                                                                                                                                           |         | DATE: 03/15/2016 |                       |
| Technician:                                                                                                                                                                                                                                                                                                                                                                                          |         | DATE: / /        |                       |
| Inspector:                                                                                                                                                                                                                                                                                                                                                                                           |         | DATE: / /        |                       |

PENN YAN AERO  
2499 Bath Road  
Penn Yan, New York 14527

# WORK ORDER FORM 100

# \*43386\*

FAA ID NO. Y2GR396Y

WORK ORDER #43386-16

315/536-2333

Dept #ENG Page NO. 2

Customer IAS01 / IASCO FLIGHT TRAINING, IN

Location ENG

Cust RO#

Step AWAITING INSPECTION.

Warranty Code 00 / 0

Work Req OUTRIGHT

Goodthru AD# 16-05

P/N IO-360-L2A / ENGINE

S/N L-29325-51A

Mfg TEX01

## ADDITIONAL COMMENTS:

(1)

(2)

## PARTS DETAIL:

| Line# | PART NUMBER   | DESCRIPTION               | CD | Qty   | Serial Number |
|-------|---------------|---------------------------|----|-------|---------------|
| 1     | 07A23032      | BRACKET                   | NE | 2.00  |               |
| 2     | 07A28507      | BRACKET ASSY              | NE | 1.00  |               |
| 3     | 149-NL/EC     | STARTER, 24 VOLT SUPER DU | NE | 1.00  | FNE-491571    |
| 4     | 15B21319      | SOCKET - HYD. TAPPET      | NE | 8.00  |               |
| 5     | 15B26588      | LIFTER BODY               | NE | 8.00  |               |
| 6     | 15F19957-36   | ROD ASSY (4) *            | NE | 2.00  |               |
| 7     | 18A26093      | BEARING                   | NE | 2.00  |               |
| 8     | 18D26098      | BEARING                   | NE | 4.00  |               |
| 9     | 18M26105      | BEARING, ROD              | NE | 8.00  |               |
| 10    | 204418-156    | OIL FILTER ADAPTER        | NE | 1.00  |               |
| 11    | 23D26777      | PLUNGER                   | NE | 1.00  |               |
| 12    | 2524864R      | NOZZLES                   | OH | 4.00  |               |
| 13    | 2576536-2R    | FUEL INJECTOR REBUILT - P | OH | 1.00  | 30884         |
| 14    | 2576564-1R-AV | FLOW DIVIDER EXCHANGE     | OH | 1.00  | 0262741       |
| 15    | 2650-7        | FIRESLLEEVE               | NE | 38.00 |               |
| 16    | 2650-8        | FIRESLLEEVE               | NE | 19.00 |               |
| 17    | 27A22099      | GEAR                      | NE | 1.00  |               |
| 18    | 300-4S        | ST FLARED -STEEL          | NE | 2.00  |               |
| 19    | 300-6S        | FITTING -STEEL            | NE | 2.00  |               |
| 20    | 303-4         | HOSE                      | NE | 37.00 |               |
| 21    | 303-6         | HOSE *                    | NE | 18.00 |               |
| 22    | 61247         | ROCKER BOX COVER          | NE | 4.00  |               |
| 23    | 61665         | GEAR                      | NE | 2.00  |               |
| 24    | 70484         | FINGER SCREEN             | NE | 1.00  |               |
| 25    | 71610         | HOOK                      | NE | 2.00  |               |
| 26    | 71611         | RETAINER                  | NE | 2.00  |               |
| 27    | 72566         | GEAR STARTER RING         | NE | 1.00  |               |
| 28    | 73161         | SPACER                    | NE | 1.00  |               |
| 29    | 73966         | SPACER                    | NE | 2.00  |               |
| 30    | 74887         | THRU BOLT SPACER          | NE | 2.00  |               |
| 31    | 75761         | TUBE, OIL LEVEL 4-1/2"    | NE | 1.00  |               |
| 32    | 75767         | TUBE                      | NE | 1.00  |               |

# WORK ORDER FORM 100

**\*43386\***

PENN YAN AERO  
2499 Bath Road  
Penn Yan, New York 14527

FAA ID NO. Y2GR396Y

WORK ORDER #43386-16

315/536-2333

Dept #ENG Page NO. 3

Customer IAS01 / IASCO FLIGHT TRAINING, IN

Location ENG

Cust RO#

Step AWAITING INSPECTION.

Warranty Code 00 / 0

Work Req OUTRIGHT

Goodthru AD# 16-05

P/N IO-360-L2A / ENGINE

S/N L-29325-51A

Mfg TEX01

|    |                |                            |        |       |                   |
|----|----------------|----------------------------|--------|-------|-------------------|
| 33 | AEL11485       | SHROUD, PUSHROD            | NE     | 8.00  |                   |
| 34 | AEL11750-S     | CONN ROD ASSY 360-540      | SER NE | 1.00  | 198/16            |
| 35 | AEL11750-S     | CONN ROD ASSY 360-540      | SER NE | 1.00  | 198/29            |
| 36 | AEL11750-S     | CONN ROD ASSY 360-540      | SER NE | 1.00  | 198/37            |
| 37 | AEL11750-S     | CONN ROD ASSY 360-540      | SER NE | 1.00  | 196/49            |
| 38 | AEL18109-S     | GEAR KIT, OIL PUMP         | NE     | 1.00  |                   |
| 39 | AEL19646       | GEAR, CRANKSHAFT           | NE     | 1.00  |                   |
| 40 | AEL25C10       | STUD, 1/4 X 1-1/4 LONG     | NE     | 1.00  |                   |
| 41 | AEL383-B       | NUT, 3/8-24 CRANKCASE      | NE     | 16.00 |                   |
| 42 | AEL68759       | TUBE ASSY, OIL DRAIN       | NE     | 1.00  |                   |
| 43 | AEL68760       | TUBE ASSY, OIL DRAIN       | NE     | 1.00  |                   |
| 44 | AEL68761       | TUBE ASSY, OIL DRAIN       | NE     | 2.00  |                   |
| 45 | AEL75072       | GEAR ASSEMBLY, FUEL PUMP   | NE     | 1.00  |                   |
| 46 | AEL75339       | BAFFLE ASSY, INT. CYLINDER | NE     | 1.00  |                   |
| 47 | AEL76121       | SHAFT, TACHOMETER          | NE     | 1.00  |                   |
| 48 | AEL78290       | PLUNGER ASSY               | NE     | 8.00  |                   |
| 49 | AELSTD2090     | NUT, CYLINDER DECK         | NE     | 18.00 |                   |
| 50 | AELSTD2213     | CRANK GEAR BOLT            | NE     | 1.00  |                   |
| 51 | CCL360IOWP-PYA | CASE                       | RE     | 1.00  | K2207             |
| 52 | CH48110-1      | FILTER                     | NE     | 1.00  |                   |
| 53 | K4527-40       | KIT, (2EA 4371/M4002/REM40 | NE     | 1.00  | 15120870/15120865 |
| 54 | LOG-PYA        | PYA YELLOW LOGBOOK         | NE     | 1.00  |                   |
| 55 | LW-12098-0-170 | TUBE ASSY *                | NE     | 1.00  |                   |
| 56 | LW-12098-0-180 | TUBE, FUEL                 | NE     | 3.00  |                   |
| 57 | LW-13389       | BAFFLE ASSY                | NE     | 1.00  |                   |
| 58 | LW-14768       | DIP STICK                  | NE     | 1.00  |                   |
| 59 | LW-15473R      | FUEL PUMP O/H H-PRESS      | OH     | 1.00  | 0A9X07            |
| 60 | LW-18840       | CAMSHAFT                   | NE     | 1.00  |                   |
| 61 | MISC           | IO-360-L2A RING GEAR       | AR     | 1.00  |                   |
| 62 | MS16625-2081   | SNAP RING                  | NE     | 1.00  |                   |
| 63 | SL53E19600     | VERNATHERM                 | NE     | 1.00  | 49087             |
| 64 | SL75439-1      | GASKET SET                 | NE     | 1.00  |                   |
| 65 | STD-1420       | NUT                        | NE     | 3.00  |                   |
| 66 | STD-1856       | SCREW                      | NE     | 3.00  |                   |
| 67 | STD-1882       | SCREW                      | NE     | 2.00  |                   |
| 68 | STD-872        | NUT                        | NE     | 1.00  |                   |
| 69 | 05K21104       | CYLINDER KIT               | NE     | 4.00  |                   |
| 70 | AEL13790       | ROCKER SHAFT               | NE     | 4.00  |                   |
| 71 | AEL36002-2     | C.SHAFT ASSY 4.375 STR 36  | NE     | 1.00  | 112807            |

# WORK ORDER FORM 100

# \*43386\*

**PENN YAN AERO**

2499 Bath Road

Penn Yan, New York 14527

315/536-2333

FAA ID NO. Y2GR396Y

WORK ORDER #43386-16

Dept #ENG Page NO. 4

Location ENG

Customer IAS01 / IASCO FLIGHT TRAINING, IN

Cust RO#

Step AWAITING INSPECTION.

Warranty Code 00 / 0

Work Req OUTRIGHT

Goodthru AD# 16-05

P/N IO-360-L2A / ENGINE

S/N L-29325-51A

Mfg TEX01

72 SL74637

BUSHING

NE 2.00

## 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

Date Mar 15, 2016

WOPSTM