

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
<i>Balance Forward</i>			

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

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.



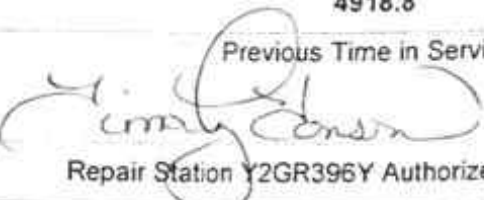
Penn Yan Aero

29 Bath Road, Penn Yan, New York 14527

Telephone: 1-315-536-2333

www.pennyanero.com

FAA Approved Repair Station: Y2GR396Y

21477-06	11/16/2006
Work Order Number	Dated
IO-360-B1E	
Engine Model	
L-912-51A	
Serial Number	
Engine altered from an IO-360-B1B to an IO-360-B1E per FAA Approved Process Spec. PY-EMC-01. Installed new Lycoming P/N: 05K21104 cylinder kits.	
This engine has been remanufactured to Zero Time Tolerances by Penn Yan Aero.	
4918.8	
Previous Time in Service	
 Repair Station Y2GR396Y Authorized Signature	

The accessories listed are either new or were overhauled (as indicated) and supplied with this engine:

IO-360-B1E

Engine Model

L-912-51A

21477-06

11/16/2006

Serial Number

Work Order Number

Date

Repair Station Y2GR396Y Authorized Signature



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4370 (New)

Right Magneto - Part Number

4373 (New)

Left Magneto - Part Number

2524297-10

Injector/Carburetor - Part Number

41234

Fuel Pump - Part Number

149-NL (New)

Starter - Part Number

N/A

Turbocharger - Part Number

N/A

Controller - Part Number

N/A

Controller - Part Number

N/A

Waste Gate - Part Number

06101627

Serial Number

06102028

Serial Number

16090/4

Serial Number

AA21721

Serial Number

FN-360647

Serial Number

N/A

Serial Number

N/A

Serial Number

N/A

Serial Number

N/A

Serial Number

AERO AVIATION MAINTENANCE

DATE 8 DEC 06 ENGINE TIME 4818.8 TACH 4963.8
00.0 SMOH

1. REMOVE OLD ENGINE. CLEAN, INSPECT, AND PAINT MOTOR MOUNT, INSTALL NEW BAFFLE SEALS, INSTALL NEW ENGINE (IO-360-BIE S/N L-912-51A), INSTALL NEW ENGINE LORD MOUNTS, INSTALL ALL NEW SCAT HOSES, INSTALL NEW OIL COOLER, INSTALL NEW ALTERNATOR BELT, RE-INSTALL PROP WITH NEW O-RING SEAL

Christopher Christy

CHRIS CHRISTY A&P 251318865 IA

(803)663-1777

AERO AVIATION MAINTENANCE
 ANNUAL/100 HR INSPECTION

DATE 8 DEC 06 ENGINE TIME 4818.8 TACH 4963.8
00.0 SMOH

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL/100 HR INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

Christopher Christy

CHRIS CHRISTY A&P 251318865 IA

(803)663-1777

AERO AVIATION MAINTENANCE

DATE 8 DEC 06 ENGINE TIME 4818.8 TACH 4963.8
00.0 SMOH

1. C/W 100HR/ANNUAL INSPECTION
2. ADDED 8 QT'S AEROSHELL 100W MINERAL
3. INSTALLED NEW PLUGS
4. R/R BRACKETT AIR FILTER (BA-3)
5. RAN ENGINE. OP'S CHECK OK
6. COMPRESSION 1. 80/76 2. 80/74 3. 80/74 4. 80/75
7. CLEANED ENGINE AND ENGINE COMPARTMENT
8. CHECK AD'S THRU 2006-24 (SEE REAR OF AIRCRAFT LOG BOOK)

Christopher Christy

CHRIS CHRISTY A&P 251318865 IA

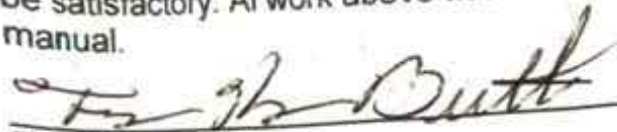
(803)663-1777

Date	Total Time In Service	Since Overhaul	Recording Meter Time	Description of Work Performed	Certificate Number & Signature of Technician Performing Work
				Balance Forward	

Aircraft-N3910T
PA28R-180
TACH-4972.16

Date-12/28/2006

Remove lower plugs, clean and re-install. Check mag timing and adjust left mag. Adjust fuel mixture and idle. Run-up performed on engine after work was found to be satisfactory. All work above was done in accordance with Piper maintenance manual.



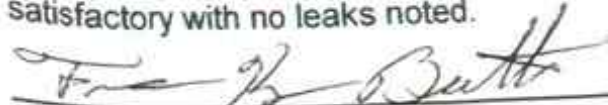
A&P255749386IA

Frank Kinsey Butler

Aircraft-N3910T
TACH-4975.9

DATE-1/19/2007

Perform first oil change on engine since major overhaul. Replace filter with Kelly Aerospace ES48110. Service engine with 8 Qts Aeroshell mineral oil. Filter cut and checked for metal, none found. Replace defective fuel nozzles with overhauled units from Penn Yan Aero. Part#2524107R, REF; W/O# 22092/20852. Operation check performed after work was found to be satisfactory with no leaks noted.



A&P255749386

Frank Kinsey Butler

Totals - Carry Forward

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

Dsk	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time
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Date-3/23/2007

Aircraft-N3910T
TACH-4987.7

Change oil and filter. Service engine with 8 Qts. Aeroshell 15W50 oil. Check performed, Cut filter and check for metal, none found. Operation check performed. And was found to be satisfactory with no leaks noted.



Frank Kinsey Butler A&P25574938

DATE-1/3/2008

AIRCRAFT-N3910T
ENGINE-IO-360-B1E S/N-L-912-51,
TACH-5031.0
TSMOH-67.2

Perform 100 hour/annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with far 43 D. Compressions: #1-80/78 #2-80/78 #3-80/78 #4-80/78. Change current 100 hour inspection check list. Check found. Service engine with 8 Qts. Aeroshell 15W50 oil. Check oil and filter. Check filter for metal, none found. Operation check performed. AD 07-26. no new apply. AD compliance work sheet placed with mag timing. AD's researched through aircraft records. Operation check performed. Operation check performed.

I certify this engine has been inspected, determined to be in airworthy condition, in accordance with a 100 hour/annual inspection and was

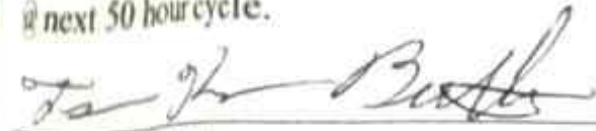

Frank Kinsey Butler A&P2557493861A

Totals - Carry Forward

AIRCRAFT-N3910T
TACH-5041.4

DATE-3/25/2008

Comply with Fuel Servo plug A.D. 2008-06-51. Found plug to be tight. Check again @ next 50 hour cycle.



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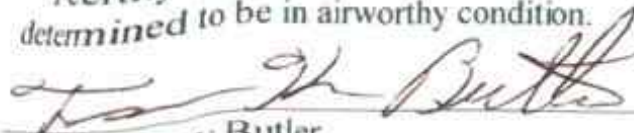
Frank Kinsey Butler

AIRCRAFT-N3910T
ENGINE-10360B1E S/N-L-912-51A
TACH-5105.3
TSMOH-141.5

DATE-1/31/2009

Perform 100 hour/annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform all maintenance on engine as detailed in the manufactures current 100 hour inspection check list. Cut filter for metal check, none found. Service engine with 15W50 Aeroshell. Compressions: #1-80/78 #2-80/77 #3-80/78 #4-80/77. Comply with Fuel servo A.D 2008-6-51 by replacement of gasket. No further action required. Engine A.D. compliance work sheet placed with engine records. Operation check performed on engine was found to be satisfactory with no leaks noted.

I certify this engine has been inspected in accordance with a 100 hour/annual inspection and was determined to be in airworthy condition.



A&P2557493861A

Frank Kinsey Butler

Totals - Carry Forward

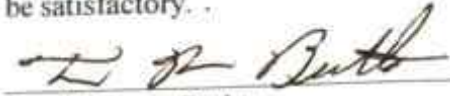
Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Technician Performing Work	Page: 7
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Balance Forward

AIRCRAFT-N3910T
TACH-5156.6

DATE-7/22/2009

Change oil and filter. Service engine with 8 Qts. Aeroshell 15W50 oil. Leak check performed found to be satisfactory.



A&P255749386

Frank Kinsey Butler

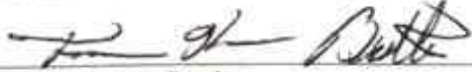
AIRCRAFT-N3910T
ENGINE-IO360B1E S/NL-912-51A
TACH-5182.3
TSMOH-218.5

SOUTHERN AIR REPAIR

DATE-2/15/2010

Perform 100 hour/annual inspection on engine in accordance with the manufactures current maintenance manual, and in accordance wit FAR 43 D. Perform maintenance on engine in accordance with the manufactures current 100 hour inspection check list. Change oil, change filter. Service engine with 7 Qts. Aeroshell 15W50 oil. Filter cut for metal check, none found. Clean and gap spark plugs. Install with new gaskets. Compressions: #1-80/78 #2-80/76 #3-80/76 #4-80/76. Operation check performed on engine found to be satisfactory. A.D's researched through 2010-2. A.D compliance work sheet placed with aircraft records.

I certify this engine has been inspected in accordance with a 100 hour/Annual inspection and was determined to be in airworthy condition.



A&P255749386IA

Frank Kinsey Butler

Totals - Carry Forward

AIRCRAFT-N3910T
TACH-5207.5

SOUTHERN AIR REPAIR

DATE-7/8/2010

Change oil and filter. Service engine with 8 Qts. Aeroshell 15W50 oil. Leak check performed, found satisfactory. Remove all lower plugs. Clean, gap and reinstall. Filter cut and checked for metal, none found.


Frank Kinsey Butler

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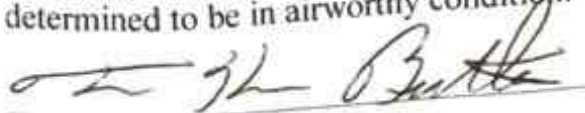
AIRCRAFT-N3910T
ENGINE-IO360B1E S/NL-912-51A
TACH-5244.8
TSMOH-281.0

SOUTHERN AIR REPAIR

DATE-3/7/2011

Perform 100 hour/Annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform maintenance on engine as detailed in the manufactures current 100 hour inspection check list. Compression: #1-80/79 #2-80/78 #3-80/79 #4-80/77. Change oil and filter. Service engine with 8 Qts. Aeroshell 15 W 50 oil. Filter cut for metal check, none found. Clean and gap plugs. Check mag timing. Wash engine and firewall. A.D's researched through 2011-5. None apply at this time. Operation check performed on engine found to be satisfactory.

I certify this engine has been inspected in accordance with a 100 hour/Annual inspection and was determined to be in airworthy condition.


Frank Kinsey Butler

A&P2557493861A

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Totals - Carry Forward

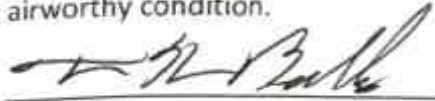
AIRCRAFT-N3910T
Engine IO360B1E S/N-912-51A
TACH: 5262.9
TSMOH: 299.1

SOUTHERN AIR REPAIR

PKB
DATE 3/8/2012

Performed annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform maintenance on engine as detailed in the manufactures current 100 hour inspection check list. Compression: #1- 80/70 #2- 80/77 #3-80/73 #4-80/74. Change oil and filter. Cut filter for metal check, none found. Serviced engine with Aeroshell 15W-50 oil. Operation check was performed on engine and engine was found to be satisfactory. A.D's researched through 2012-5. A.D. compliance work sheet placed with aircraft records. -

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



A&P3617489IA

Frank Kinsey Butler

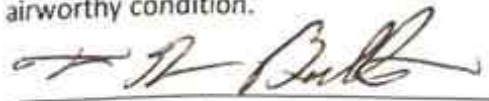
AIRCRAFT-N3910T
IO360B1E S/N-912-51A
TACH-5296.2
TSMOH-332.4

SOUTHERN AIR REPAIR

DATE-4/1/2013

Perform annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform 100 hour maintenance and inspection on engine using manufactures maintenance manual as guide. Compression: #1-80/74 #2-80/78 #3-80/8 #4-80/75. Change oil and filter. Service engine with 7 Qts. Aeroshell 15 W 50 oil. Add Cam Guard. Filter cut for metal check, none found. Clean and gap all plugs. A.D's researched through 2013-6. A.D. compliance sheet placed with aircraft records. Operation check performed, found satisfactory.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.



A&P3617489IA

Frank Kinsey Butler

AIRCRAFT-N3910T
ENGINE
TACH-5360.2

SOUTHERN AIR REPAIR LLC.

11/25/2014

Change oil and filter. Service engine with 7 qts. Aero shell 15W50 oil. Cam guard added. Cut filter for metal check, none found. Leak check performed. No leaks noted.

 A&P3617489

Frank Kinsey Butler

AIRCRAFT-N3910T
TACH-5378.0

SOUTHERN AIR REPAIR LLC.

DATE-2/2/2015

Remove defective ignition harness installed 1/21/2014 and replace with new from Kelly Aerospace P/N-KA14001 REF: W/O# KE51411-76. Operation check performed, found satisfactory.

 A&P3617489

Frank Kinsey Butler

AIRCRAFT-N3910T
IO36081E S/N-912-51A
TACH-5408.4
TSMOH-446.6

SOUTHERN AIR REPAIR LLC.

DATE-7/21/2015

Perform annual inspection on engine in accordance with FAR 43 D. Perform 100 hour inspection/maintenance on engine using Piper PA28R-180 service manual as guide. Change oil and filter. Service engine with 7.5 Qts. Aeroshell 15W50 oil. Cam guard added. Filter cut for metal check, none found. Replace all spark plugs with Tempest pn- UREM 40E's. Compression: #1-80/77 #2-80/77 #3-80/77 #4-80/77. Clean all fuel nozzles. Clean servo strainer. Perform fuel/air mixture adjustment on injection unit and set idle. Remove and replace left & right magnetos with new slick P/N left side 4371 with I.C. P/N right side 4370. Magnetos timed per data tag. Replace no blow exhaust gaskets #1 & #3 cylinder. Replace intake flange gasket #3 cylinder. Operation check performed on engine and was found to be satisfactory. A.D's researched through 2015-14. A.D. compliance work sheet placed with aircraft records.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

 A&P3617489IA

Frank Kinsey Butler

Total Time In Service Date

Perform annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform 100 hour inspection/maintenance on engine using Piper PA28R-180 service manual as guide. Change oil and filter. Service engine with 7 Qts. Aeroshell 15W50 oil. One pint Cam guard added. Filter cut for metal check. None found. Clean, gap and resistance check all plugs. Reinstall in rotation with new gaskets. Compression: #1-80/78 #2-80/78 #3-80/78 #4-80/78. Operation check performed on engine and was found to be satisfactory. A.D's researched through 2018-16. A.D. compliance work sheet placed with aircraft records.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.


A&P3617489IA
Frank Kinsey Butler



N Number: N3910T

Date: 9/1/2019

Model: IO-360-B1E S/N- L-912-51A

Tach 5638.6

TSMOH 676.8

Perform annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform 100 hour inspection/maintenance on engine using Piper PA28-180R service manual as guide. Compression: #1-80/78 #2-80/78 #3-80/78 #4-80/78. Change oil and filter. service engine with 7 Qts. Aeroshell 15W50 oil. One pint Cam guard added. Filter cut for metal check. None detected. Clean, gap and resistance check all plugs. Reinstall in rotation with all new gaskets. Magneto timing checked. Fuel lines inspected. A.D's researched through 2019-16. A.D. compliance work sheet placed with aircraft records. Operation check performed and was found to be satisfactory with no leaks noted.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.


A&P3617489IA
Frank Kinsey Butler

AIRCRAFT-N3910T

SOUTHERN AIR REPAIR LLC.

DATE-10/15/2020

IO-360-B1E S/N-L-912-51A

TACH-5653.1

TSMOH-691.30

Perform annual inspection on engine in accordance with the manufactures current maintenance manual and in accordance with FAR 43 D. Perform 100 hour inspection/maintenance on engine using Piper PA-28R-180 service manual as guide. Change oil and filter. Service engine with 7 Qts. Aeroshell 15w-50 oil. One pint Cam Guard engine oil additive added. Filter cut for metal check. None detected. Clean, gap and resistance check all spark plugs. Reinstall in rotation with new gaskets. Compressions: #1-80/78 #2-80/78 #3-80/78 #4-80/78. Remove and replace fuel hose from fuel servo to fuel distribution valve with new Aeroquip 303-6 hose. Leak check performed. Found satisfactory. Repaired front right hand side rigid baffling with sheet metal patch. Operation check performed on engine and was found to be satisfactory. A.D's researched through 2020-20. A.D. compliance sheet placed with aircraft records.

I certify this engine has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition.



A&P3617489IA

Frank Kinsey Butler