

TOTALS brought forward from previous page

Edgardo Rivera A&P

Sean Tillet

DATE

N595ND
ANNUAL INSPECTION - MAINTENANCE ACTIONS - RIGHT ENGINE
3/24/202 TSO: 1953.1 O TTIS: 8964.1 MX HOBBS 3271.0

- Fuel flow transducer removed in serviceable condition. Reinstalled new fuel flow transducer all work done in accordance with Piper Maintenance Manual.
- Right hand Engine rear muffler removed in serviceable condition. Installed new rear muffler on right hand Engine with serviceable exhaust risers. All work done in accordance with Piper Maintenance Manual.
- Right hand Engine exhaust shroud from Carburetor nut cracked. Shroud was sent out and repaired of same Part # 89.64-003. Installed and repaired right hand carburetor heat shroud all work done in accordance with Piper Maintenance Manual.
- Right hand Alternator removed for Engine Change. Installed new Alternator Part # ALX-8521 Serial # EO51718, All work done in accordance with Lycoming Maintenance Manual.
- Oil cooler line under oil filter loose. Torqued oil line all work done in accordance with Piper Maintenance Manual.
- Cylinder #1 oil return line leaking at B0nut. Torqued Cylinder #1 oil return line B-nut. All work done in accordance with Lycoming Maintenance Manual.
- RPM Sensor removed on Right Engine. Install RPM sensor on left hand magneto of right hand engine.
- Right hand Engine Left hand Magneto needs to be timed. Timed Right hand Engine left hand magneto. To 25 ° BTDC Cylinder #1 all work done in accordance with Lycoming Maintenance Manual.

NAME Sean Tillett

SIGNATURE

CERT#

- Removed right hand starter. Compliance with install of right hand starter with new Part # on 149NL Serial # H-W091205. All work done in accordance with Piper Maintenance and Lycoming Maintenance Manual and

DISCREPANCY

MAINTENANCE ACTION

AIRFRAME
PROP

ENGINE R/H
AVIONICS

R/H engine exhaust
shroud for carb heat
cracked

Shroud was sent out
and repaired. Installed
repaired R/H carb heat shroud
JAB Piper Man.

P/N ON

89364-003

S/N ON

P/N OFF

89364-003

S/N OFF

APPRENTICE INITIALS

A&P SIGNATURE

A&P CERT #

NAME Rafael Salverredy

SIGNATURE

N 595ND

MAINTENANCE ACTION

RIGHT ENGINE

Date 4/4/2023

MX HOBBS: 3271.0

Maintenance observed high oil pressure on right hand Engine. Maintenance adjusted oil pressure right hand Engine. All work done in accordance with Lycoming Maintenance Manual. Performed ground run oil pressure was within limits.

Aircraft deemed serviceable and returned for service.

CERT#

NAME

SIGNATURE

Sean Tillett

N 595ND

MAINTENANCE ACTION

RIGHT ENGINE

Date : 04/04/2023

MX HOBBS: 3271.0

Maintenance observed Engine RPM high during take off. Maintenance adjusted Propeller low pitch stop in accordance with Hartzell Maintenance Manual. Performed ground run static rpm, within limits.

Aircraft deemed serviceable and returned for service.

CERT#

NAME

SIGNATURE

Sean Tillett

N 595ND

MAINTENANCE ACTION

ENGINE

DATE: 04/14/2023

MX HOBBS: 3272.4

Maintenance observed right hand Engine Propeller rpm high on take off. Maintenance adjusted propeller governor, high rpm setting. All work done in accordance with Piper Maintenance Manual. Pilot performed test, rpm within limits.

Aircraft deemed serviceable and returned to service.

CERT#

NAME

SIGNATURE

Sean Tillett

DATE _____

WO: WO_009479
TOTAL TIME IN SERVICE OVERHAUL

RECORDING METER TIME

SAVANNAH

Savannah, GA 31408

April 20, 2023

Savannah Aviation

LYCOMING, LO-360-A1H6, S/N: L-809-71E

N595ND
HOBBS: 3298.6

1. Pilot complaint of R/H magneto backfiring. Removed magneto and inspected. Found component to be full of oil and the coil was shorted. Overhauled magneto with kit PN:MK401. Timed magneto and then reinstalled magneto to engine and timed to engine. Ops check good.
2. Pilot complaint of R/H alternator not functioning. Found alternator belt loose and found bottom half of alternator not secured to engine. Secured alternator to engine and tightened belt. Ops check good.

All maintenance completed in accordance with applicable sections of the manufacturer's maintenance manual. All operational, rigging and functional checks tested satisfactorily. I certify that the maintenance identified above has been inspected and the items are approved for return to service. Details of work performed are on file with Savannah Aviation under work order: WO_009479.

Jonas Perry A&P

N 595ND
DATE: 05/05/2023
MAINTENANCE ACTION
RIGHT ENGINE
MX HOBBS: 3329.8
Pilot reports oil pressure went up to red arc during normal cruising. Maintenance adjusted oil pressure regulator for right hand Engine, performed ground run found no discrepancy. All work done in accordance with Lycoming and Piper Maintenance Manual. 1pc.

Aircraft deemed serviceable and returned for service.

NAME: Sean Tillett
SIGNATURE: _____
CERT#: _____

N 595ND
DATE: 06/08/2023
MAINTENANCE ACTION
RIGHT ENGINE
MX HOBBS: 3364.1
Pilot reports left Magneto, left Engine 300 rpm drop. Right Magneto, right Engine 250 rpm drop. Maintenance adjusted left and right Engine Magnetos cleaned, gapped and replaced three spark plugs on right Engine and 1 spark plug on left Engine. Run-up and operation check good. All work done in accordance with Lycoming Maintenance Manual.

Aircraft deemed serviceable and returned for service.

NAME: Frederick Spence
SIGNATURE: _____
CERT#: _____

N 595ND
DATE: 05/23/2023
MAINTENANCE ACTION
ENGINE
MX HOBBS: 3398.9
Pilot reported right Engine Right magneto drop in rpm and hesitation of the motion. Right Alternator does not pick up load when left alternator is tested. Maintenance removed and cleaned gapped and tested spark plugs reinstalled and torque to specification all work done in accordance with Lycoming Maintenance Manual 1pc. Adjusted alternator belt tension all work done in accordance with Lycoming Maintenance Manual. Perform ground run and found no discrepancy.

Aircraft deemed serviceable and returned for service.

NAME: George Kelso
SIGNATURE: _____
CERT#: _____

N 595ND
100 HOUR INSPECTION
RIGHT ENGINE
DATE: 6/24/23
TTIS: 7038.3
TSO: 96.9
MX HOBBS: 3367.9
I certify this Engine s/n L-809-71E has been inspected in accordance with the Seminole M.M. and current FAR's for an **100 HOUR Inspection** and is in an Airworthy Condition at this time. The inspection forms have been added to the maintenance records. All A.D.'s have been checked and reviewed and were found to be up to date at this time, All recurring A.D.'s have been complied with, and records have been updated
Engine is returned to service.

NAME: George Kelso
SIGNATURE: _____
CERT#: _____

Inspection Continued Next Page

100 HOUR INSPECTION - N595ND
6/24/2023 TTIS: 7038.3
MAINTENANCE ACTIONS - RIGHT ENGINE
TSO: 96.9
MX HOBBS: 3367.4

- Cylinder leak check #1 72/80 #2 70/80
- Complied with Oil and Filter Change/ Inspection Part # CH48111-1 W100 6 qts.
- Cleaned, Gapped Inspected, two spark plugs were replaced Part # RHM38E
- Post run leak check good.
- Right hand magneto removed, Installed serviceable right hand magneto Part # 402 Serial # 106070750. All work done in accordance with Lycoming Maintenance Manual.
- Cylinder #2 Primer line missing clamp. Installed clamp on primer line. Part # LW-18959-175-25 std-583, M521044N06.
- Alternator wire needs re-positioned. Re-positioned Alternator wire harness. All work done in accordance with Piper Maintenance Manual.
- Starter harness need to be secured. Re-secured starter harness. All work done in accordance with Piper Maintenance Manual.
- Reseal harness at lower inboard firewall. Resealed harness at lower inboard firewall.

NAME George Kelso
SIGNATURE [redacted]
CERT# [redacted]

N 595ND
MAINTENANCE ACTION
DATE: 06/24/2023
RIGHT ENGINE
MX HOBBS: 3367.3

Pilot reports right Engine right magneto drop of 200 rpm. Maintenance reports work was completed during 100HR dated 6/24/2023. Please refer to 100 HR for description of work performed.

Aircraft deemed serviceable and returned for service.

NAME [redacted]
CERT# [redacted]

George Kelso [redacted]

N 595ND
MAINTENANCE ACTION
DATE: 07/12/2023
RIGHT ENGINE
MX HOBBS: 3388.0

Pilot reports left magneto from Right Engine rpm drops 190rpm, after cleaning it drops same rpm. Maintenance Removed and replaced right engine right magneto and set timing. Removed, cleaned, gapped, and installed spark plugs in accordance with Piper Maintenance Manual. Part # on 4302 Serial # 16030519, Part # off 4302 Serial # 16070759.

Aircraft deemed serviceable and returned for service.

NAME [redacted]
SIGN [redacted]
CERT# [redacted]

Rafael Salverredy [redacted]

N 595ND
MAINTENANCE ACTION
DATE: 08/16/2023
RIGHT ENGINE
MX HOBBS: 3388.0

Left and right Magnetos from Right Engine drop more than 200 rpm. Maintenance removed and replaced right hand Magneto of same Part # 4302 Serial # on K-11542, Serial # off 16030519 retime both left and right Magneto. All work done in accordance with Lycoming Maintenance Manual 1pc. Performed ground run and found no discrepancy.

Aircraft deemed serviceable and returned to service.

NAME [redacted]
CERT# [redacted]

Rafael Salverredy [redacted]

N595ND
1100 HOUR MAINTENANCE ACTIONS - RIGHT ENGINE
DATE: 12/20/2023 TTIS: 7062.7 TSO: 121.3 TSO: 0.0 TACH: 3392.3

- Install Right Hand Magneto on right hand Engine. Installed Right Hand Magneto on Right Hand Engine and timed Engine. All work done in accordance with Lycoming Maintenance Manual.
- Post-run and leak checks good. No leaks found. Operational checks good.

NAME Frederick Spence
SIGNATURE [redacted]
CERT# [redacted]

N 595ND
ANNUAL INSPECTION
DATE: 3-29-24 TTIS: 7137.8 TSO: 196.4 MX HOBBS: 3467.4
L809-71E

I certify this Engine s/n [redacted] has been inspected in accordance with the Seminole M.M. and current FAR's for an ANNUAL Inspection and is in an Airworthy Condition at this time. The inspection forms have been added to the maintenance records. All A.D.'s have been checked and reviewed and were found to be up to date at this time, All recurring A.D.'s have been complied with, and records have been updated
Engine is returned to service.

NAME Chris Speer
SIGNATURE [redacted]
CERT # [redacted]

N 595ND
Maintenance Actions - Annual - AIRFRAME
03/29/2024 Ttis: 6980.8 MX HOBBS: 3467.4

- A.D. 2004-25-16 R1 fuel regulator shut off valve. Complied with A.D. 2004-35-16 R1. No defects noted.
- Aileron I.B. bushing and rod end worn. left wing. Removed and replaced Aileron I.B. bushing (**part# CA352-584**) All work done in accordance with Piper Maintenance Manual.
- Nose gear found sezer bolt need to be replaced. Removed and replaced nose gear bolt and hardware. (**Part# bolt- 400-191, washer- 690-628, washer- 690-619, nut- 404-102**). All work done in accordance with Service bullera 1156
- Nose steering cam rod has play. Removed and replaced nose steering cam bushing and hardware (**part# Bolt 400-231, Washer 408-106, nut 404-103, cotter pin 424-059, washer 62833-10, washer 80122-27, bushing 65003-15**). All work done in accordance with Piper Maintenance Manual.
- Nose gear down lock O.B. cam worn. Cam arm also worn. Removed and replaced nose gear down lock and cam (**part# 36766-02**). All work done in accordance with Piper Maintenance Manual.
- Nose gear upper roller for doors worn. Removed and replaced nose gear upper roller for door (**part# 452-386**). All work done in accordance with Piper Maintenance Manual.
- Both main dog bone has play. Removed and replaced both main gearing bearings and bushings (**part# bearing 78722-02, bushing 67026-12, bushing 65003-41**). All work done in accordance with Piper Maintenance Manual.
- Balance cable for airleron needs to be pulled and replaced. Removed balance cable and inspected cable is in serviceable condition. All work done in accordance with Piper Maintenance Manual.
- Nose gear down lock not locking. Adjusted during previous squawk.
- Nose wheel steering horn has play. See previous squawk.
- Nose wheel rollers corroded. Removed and replaced nose wheel rollers and hardware (**part# bolt 400-779, washer 690-628, nut 404-531, bushing 95061-188, bearing 95061-187, bushing 95061-189**). All work done in accordance with Piper Maintenance Manual and IPC
- Nose gear arm springs rusty. Removed and replaced both inner and outer nose gear springs (part# outer- 67169-00, inner 67168-00). All work done in accordance with Piper Maintenance Manual.

Name: Chris Speer Signature: _____ cert# [REDACTED]

- Nose wheel needed to be replaced. Removed (**part# 40-77B serial# 8068500150**) and replaced (**part# 40-77B serial# 51892112**) nose wheel with new assymby. All work done in accordance with Piper Maintenance Manual.
- Nose down lock spring worn. Removed and replaced nose landing gear down lock spring with new down lock spring (**Part# 487-487**). All work done in accordance with Piper Maintenance Manual.
- Nose gear shimmy damp is rusty. Shimmy damper rust treated and re-painted, damper re-installed. All work done in accordance with Piper PA44-180 Maintenance Manual.
- Airleron center hing bracket has corrosion on ground screw. Removed corrosion on left hand and right hand center flap brackets. All work done in accordance with AC43.13-1B. Replaced hardware. All work done in accordance with Piper Maintenance Manual.
- Air temp probe panel corroded. Removed corrosion and painted air temp probe panel. All work done in accordance with AC43.13 1-B
- Left main down lock not falling during free fall. Removed and cleaned left main gear locking components and reinstalled . Reinspected lock falling free. All work done in accordance with Piper Maintenance Manual.
- Data tag rivets corrosion on head. Clean prepped and painted corrosion and installed data tag. All work done in accordance with AC43.13 1-B and Piper Maintenance Manual.
- Removed spinner for SN. installed spinner All work done in accordance with Piper Maintenance Manual.

Name: Frederick Spence Signature: _____ cert#: [REDACTED]

- Rudder trim rod end rusty at jam nut. Removed and treated. All work done in accordance with Piper Maintenance Manual.

Name: Lance Capate Signature: _____ cert#: [REDACTED]

N 595ND

Maintenance Actions - Annual - LEFT ENGINE

03/29/2024 Ttis:9367.6 TSO: 196.4 MX HOBBS: 3467.4

Cylinder leak check/80. #1-74/80 #2-72/80 #3 76/80 #4 74/80

Name: Chris Speer Signature: _____ cert# _____

- Oil and filter change/inspection. Changed and inspected oil filter and oil sump screen. No debris found. Added 8 quarts. (part# off CH48111-1, Part# CH48111-1)
- Clean, gap, and test spark plugs replace as needed. Cleaned gapped and tested all left engine spark plugs. All work done in accordance with Lycoming Maintenance Manual.
- Left engine filler loose. Replaced oil filler gasket, tightened and safety wired (part# SL72059). All work done in accordance with Lycoming Maintenance Manual and AC43.13 1-B
- Alternator bracket missing bolt. Replaced missing bolt (part# LW31-094). All work done in accordance with Piper Maintenance Manual.
- Oil leaking at nose of engine, oil covering alternator. Replaced left hand engine oil sump bolt. All work done in accordance with Lycoming Maintenance Manual.
- Cylinder #3 hold down nut missing, found a nut at I.B. lower firewall. Installed new nut (part# STD-2090). All work done in accordance with Lycoming Overhaul Manual.
- Left engine D.A.N. hold screw not fully installed. Tightened.
- Alternator upper safety wire loose. Removed and installed new safety wire. All work done in accordance with AC43.13 1-B
- Missing hardware left hand engine oil sump (forward). Installed left hand engine oil sump hardware. All work done in accordance Lycoming Overhaul Manual.

Name: Frederick Spence Signature: _____ cert#: _____

- Rust left engine firewall upper engine mount on firewall. Removed rust left hand engine firewall engine mount. All work done in accordance with Piper Maintenance Manual.

Name: Lance Capate Signature: _____ #: _____

N 595ND

Maintenance Actions - Annual - RIGHT ENGINE

03/29/2024 Ttis: 7137.8 TSO: 196.4 MX HOBBS: 3467.4

- Cylinder leak check/80. #1-70/80 #2-74/80 #3-72/80 #4-76/80
- Oil and Filter change/inspection. Changed and inspected oil filter and sump screening, No debris found. Added 8 quarts (part# off CH48111-1, Part# CM48111-1). All work done in accordance with Lycoming Maintenance Manual.
- Grommet missing on prop gov cable at engine baffle. Installed grommet on prop gov cable at engine.

Name: Chris Speer Signature: _____ cert# _____

- Clean, gap, test spark plugs, replace as needed. Cleaned, gapped and tested spark plugs. replaced on cylinder #1 plug (part# REM38E) all work done in accordance with Lycoming Maintenance Manual.
- Right engine main line loose and not connected. Installed and tightened M.A.P. line. All work done in accordance with Lycoming Maintenance Manual.
- Oil filler gasket leaking. Removed and replaced oil filler gasket with new gasket (part# SL72059). All work done in accordance with Lycoming Maintenance Manual and IPC

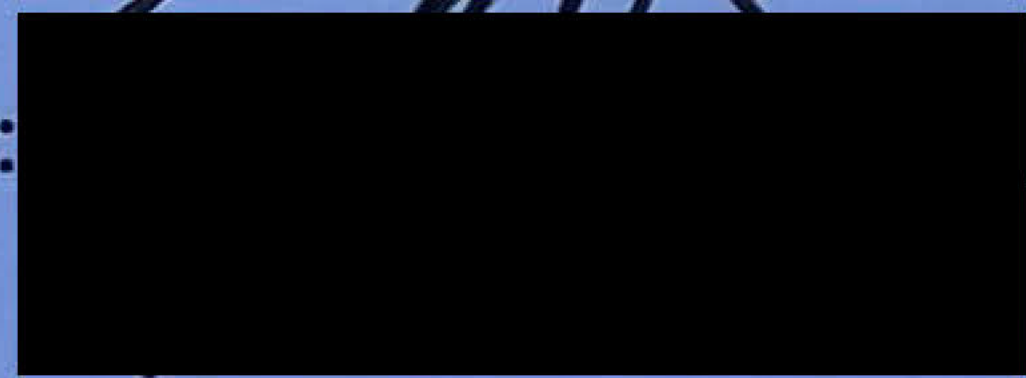
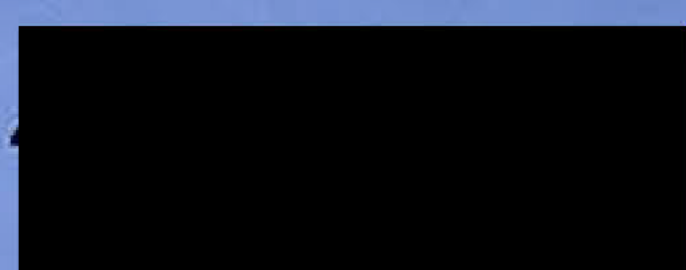
Name: Frederick Spence Signature: _____ cert#: _____

- Right engine prop gov gas oil around fittings. Inspected right engine prop gov found hardware to be loose, tightened. All work done in accordance with Piper Maintenance Manual.

Name: Lance Capate Signature: _____ cert#: _____

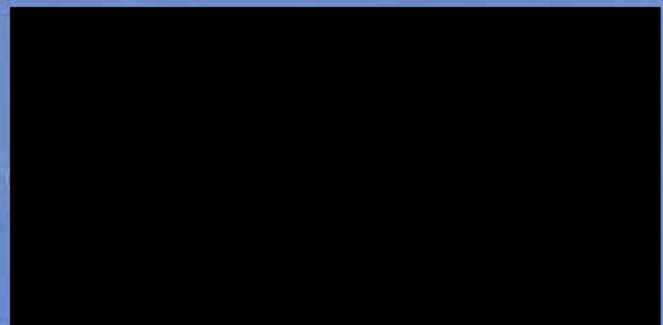
N 595ND
Maintenance Actions - Annual - LEFT Propeller
03/29/2024 Ttis: unk TSO: 75.1 MX HOBBS: 3467.4

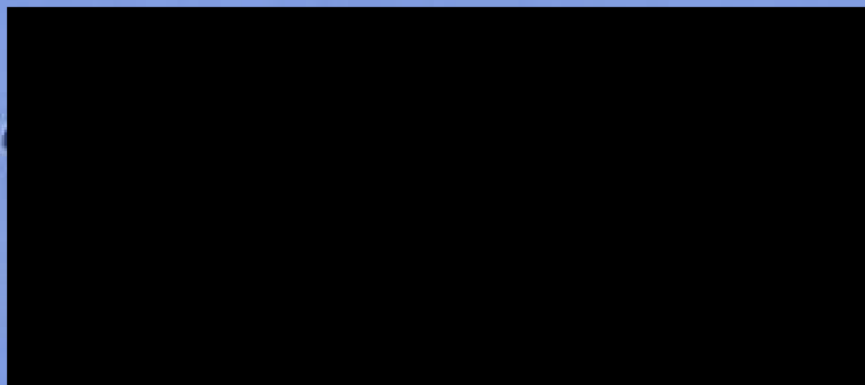
- Service propeller dome and accumulator left hand engine. Propeller dome and Accumulator pressure found to be low, pressurized to correct pressure. All work done in accordance with Piper PA44-180 Maintenance Manual.

Name: Frederick Spence Signature:  cert#: 

N 595ND
Maintenance Actions - Annual - RIGHT Propeller
03/29/2024 Ttis: 6955.7 TSO: 172 MX HOBBS: 3467.4

- Service Propeller dome and accumulator right hand engine. Prop dome and accumulator pressure found to be low, pressurized to correct pressure. All work done in accordance with Piper PA44-180 Maintenance Manual.

Name: Frederick Spence Signature:  cert#: 

Name: Frederick Spence Signature: _____ cert#: 
Name: George Kelso Signature: _____ cert#: 