

Date: 3/05/2025; Aircraft: N132LT; Type: PA46-350P; S/N: 4636493; Hobbs: 1947.20; Total Time: 1947.20; Engine - Type: TIO-540-AE2A, S/N: L-13596-61A, Time: 1947.20; Prop - Type: HC-I3Y1R-1N, S/N: NY9B, Time: 618.60

Shop Order #: SH-25-0051

Discrepancy: 1

PERFORM PRELIMINARY INSPECTION.

CORRECTIVE ACTION

PRELIMINARY INSPECTION COMPLIED WITH AND ANY DISCREPANCIES NOTED ARE LISTED ON WORK ORDER WORK SHEET.

Discrepancy: 2

ANNUAL INSPECTION DUE.

CORRECTIVE ACTION

COMPLIED WITH ANNUAL INSPECTION. NEXT DUE IN 12 MONTHS. SEE THIS WORK ORDER FOR DEFECTS.

Discrepancy: 3

AD AND TECHNICAL RESEARCH DUE.

CORRECTIVE ACTION

COMPLIED WITH THE AD RESEARCH UP TO THE DATE OF THIS ANNUAL INSPECTION.

Discrepancy: 4

MULTIPLE STRIPPED SCREWS AND SCREWS THAT HEADS BROKE OFF OF ON LOWER COWLING

CORRECTIVE ACTION

DRILLED OUT SCREWS AND TAPPED THREADS OF NUTPLATE.

Discrepancy: 5

LEFT BRAKE IS RUBBING

CORRECTIVE ACTION

REMOVED AND REPLACED LH BRAKE LININGS P/N 066-06200 IAW PA46-350P AND

CONDITIONED LININGS. NO OTHER DEFECTS NOTED.

Discrepancy: 6

THE SEATS IN THE BACK NEED TO BE FIXED RECLINE FUNCTION INOP

CORRECTIVE ACTION

REMOVED AND REPLACED LEFT AND RIGHT CENTER SEAT BACK RELEASE CABLES P/N 84255-002 IAW PA46-350P AMM 25-20-00. REMOVED AND REINSTALLED INTERIOR PANELS AS REQUIRED TO FACILITATE MAINTENANCE. NO OTHER DEFECTS NOTED.

Discrepancy: 7

RANGE KNOB COVER IS MISSING

CORRECTIVE ACTION

REPLACED RANGE KNOB COVER WITH NEW FROM KIT K00-00745-00. NO OTHER DEFECTS NOTED.

Discrepancy: 8

PILOT REPORTS EMERGENCY BOOST PUMP FAILURE LIGHT AND FUEL FLOW DROP INTERMITTENTLY.

CORRECTIVE ACTION

COULD NOT DUPLICATE DURING GROUND RUN

Discrepancy: 9

INSPECT THE EMERGENCY LOCATER TRANSMITTER PER FAR 91.207(d)

CORRECTIVE ACTION

COMPLIED WITH THE INSPECTION OF THE EMERGENCY LOCATER TRANSMITTER PART NUMBER ME406 SERIAL NUMBER 197-07477 AS REQUIRED BY F.A.R. 91.207(d). NEXT DUE IN 12 CALENDER MONTHS.

BATTERY DUE DATE IS MARCH 2029.

Discrepancy: 10

PORTABLE FIRE EXTINGUISHER DUE ANNUAL INSPECTION

CORRECTIVE ACTION

FIRE EXTINGUISHER ANNUAL INSPECTION COMPLIED WITH BY PRIORITY ONE FIRE AND SECURITY, LLC. SEE THEIR INVOICE FOR DETAILS. NEXT DUE IN 12 MONTHS. FIRE EXTINGUISHER PART NUMBER A344 SERIAL NUMBER I-14567113.

Discrepancy: 11

AD84-26-02 AMENDMENT 39-4966, DATED 1/29/85 PAPER INDUCTION AIR FILTER REPLACEMENT IS DUE.

CORRECTIVE ACTION

C/W AD84-26-02 AMENDMENT 39-4966, DATED 1/29/85 PAPER INDUCTION AIR FILTER REPLACEMENT WITH NEW P151936. NO DEFECTS NOTED.

NEXT DUE IN 500 HRS.

Discrepancy: 12

AC INOP

CORRECTIVE ACTION

REMOVED LEFT LOWER CABIN PANELS AND FLOOR PANELS TO ACCESS A/C LINES. REPLACED PRESSURE HOSE FROM FORWARD PRESSURE BULKHEAD TO MID CABIN. SERVICED SYSTEM WITH NITROGEN AND FOUND LEAK ON PRESSURE HOSE FROM MID CABIN TO EVAPORATOR/MANIFOLD. CUT OUT DAMAGED PORTION OF HOSE AND CRIMPED ON NEW FITTING. INSTALLED SMALL SECTION OF HOSE TO MAKE UP FOR SECTION THAT WAS CUT OUT. SERVICED WITH NITROGEN AGAIN AND LET SIT FOR 3 DAYS. NO PRESSURE LOSS INDICATED ON GAGES. PULLED VACUUM ON SYSTEM AND THEN SERVICED WITH R134A IAW PA46-350P AMM 21-50-00. REINSTALLED ALL PREVIOUSLY REMOVED INTERIOR PANELS. NO OTHER DEFECTS NOTED.

Discrepancy: 13

REMOVE AND INSPECT PRESSURIZATION CONTROLLER FILTER

CORRECTIVE ACTION

REMOVED, INSPECTED, AND CLEANED CABIN PRESSURIZATION CONTROLLER FILTER AND REINSTALLED IAW PA-46-350P AMM 21-30-00. NO DEFECTS NOTED.

NEXT DUE 100 HRS OR 12 MOS

Discrepancy: 14

PERFORM 100 HR INSPECTION, FIXED OXYGEN GENERATOR SYSTEM 35-20-00

CORRECTIVE ACTION

C/W 100 HR INSPECTION, FIXED OXYGEN GENERATOR SYSTEM. FOUND OXGEN MASK LANYARDS GOING TO INCORRECT MASKS AND TANGLED HOSES/LANYARDS. UNTIED ALL LANYARDS AND UNTANGLED HOSES AND LANYARDS. WRAPPED UP HOSES INTO RESPECTIVE MASKS AND SECURED. TIED ALL LANYARDS TO CORRECT MASKS AND REINSTALLED IN COMPARTMENT IAW PA-46-350P AMM 35-20-00. NO OTHER DEFECTS NOTED.

Discrepancy: 15

50 HR/ANNUAL INSPECTION OF SPEED BRAKES IAW AMM 27-60-00.

CORRECTIVE ACTION

C/W PERFORM 50 HR/ANNUAL INSPECTION OF SPEED BRAKES IAW AMM 27-60-00. NO DEFECTS NOTED

Discrepancy: 16

3 CRACKS FOUND ON PASSENGER COMPARTMENT FLOOR @FS178-186,WL55, CIRCLED WITH RED MARKER

CORRECTIVE ACTION

3 CRACKS STOP DRILLED IAW PIPER AMM SECTION 51-70 NO FURTHER DEFECTS

Discrepancy: 17

LH NAV AND POSITION LIGHTS OUT

CORRECTIVE ACTION

REPLACED BOTH NAV AND POSITION LIGHT BULBS WITH NEW IAW PA46-350P AMM, FUNCTION CHECK GOOD NO DEFECTS NOTED.

Discrepancy: 18

SPEED BRAKE PLACARDS ILLEGIBLE

CORRECTIVE ACTION
REMOVED PLACARDS, CLEANED OFF ADHESIVE AND APPLIED NEW PLACARDS WITH CLEAR POLYURETHANE TAPE TO PREVENT EROSION. NO DEFECTS NOTED.

Discrepancy: 19

GROUNDING PLACARDS IN FRONT FUEL CAPS WORN

CORRECTIVE ACTION

REPLACED BOTH GROUNDING PLACARDS IN FRONT OF INBOARD FUEL CAPS ON EACH WING WITH NEW 100700-006. NO DEFECTS NOTED.

Discrepancy: 20

HYDRAULIC FLUID COMING FROM POWER PACK AND EMERGENCY GEAR RELEASE VALVE (UNDER COPILOT FLOOR)

CORRECTIVE ACTION

CLEANED FLUID FROM AROUND POWERPACK AND EMERGENCY GEAR RELEASE. CLEANED HYDRAULIC FLUID UNDER FLOOR. JACKED AIRCRAFT AND CYCLED GEAR MULTIPLE TIMES IAW PA-46-350P AMM 32-30, NO LEAKS FOUND. NO OTHER DEFECTS NOTED.

Discrepancy: 21

VENT DEFOG SYSTEM KEEPS POPPING CIRCUIT BREAKER

CORRECTIVE ACTION

REMOVED BLOWER P/N EM608 S/N 5293. INSTALLED OVERHAULED BLOWER P/N EM608 S/N 1610. BLOWER OVERHAULED BY MEMPHIS PROPELLER & ACCESSORIES LLC, OLIVE BRANCH, MS UNDER THEIR WORK ORDER BM0924002 CERTIFICATE MPAR349E DATED 09/20/24. FUNCTION CHECK GOOD, NO OTHER DEFECTS NOTED. WORK DONE IAW PA-46-350P AMM 21-20-00.

Discrepancy: 22

VELCRO DISBONDED FROM CARPET IN MULTIPLE LOCATIONS.

CORRECTIVE ACTION

REBONDED AND REPLACE SECTIONS OF VELCRO. IAW PIPER AMM CHAPTER 25. NO

DEFECTS NOTED

Discrepancy: 23

NOSE STRUT NEEDS SERVICED

CORRECTIVE ACTION

SERVICED NOSE STRUT WITH NITROGEN IAW PA46-350P AMM 12-10-00. NO DEFECTS NOTED.

Discrepancy: 24

BROKEN RIVET AND SCREW ON AFT PASSENGER SEAT FRAME AND CRACK GOING THROUGH 2 RIVETS ON FWD RH SIDE

CORRECTIVE ACTION

REPLACED SEAT BRACKET WITH NEW PN: 89989-019. IAW PIPER AMM CHAPTER 25. NO DEFECTS NOTED

Discrepancy: 25

GROMMET FOR FUEL LINE OUT OF RIB ABOVE RADAR (AFT ACCESS HOLE)

CORRECTIVE ACTION

REMOVED RADAR PANEL AND RADAR, REINSTALLED FUEL LINE GROMMET, REINSTALLED RADAR AND RADAR PANEL IAW PIPER PA-460-350P MM CHAPTER 34. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 26

ALT AIR CABLE RUBBING ENGINE/MOUNT

CORRECTIVE ACTION

TIED UP ALTERNATE AIR CABLE IN MULTIPLE SPOTS WHERE IT WAS CHAFING THE ENGINE AND ENGINE MOUNT. NO DEFECTS NOTED.

Discrepancy: 27

PLAY IN NOSE STEERING ARM ON NOSE STRUT

CORRECTIVE ACTION

REMOVED NOSE STEERING ARM AND FOUND MISSING LOWER WASHER ON MOUNTING

BOLT. REMOVED AND REPLACED STEERING ARM SPACER P/N: 452-831 AND BUSHING P/N: 82695-005, REINSTALLED STEERING ARM ALONG WITH WASHER THAT WAS FOUND TO BE MISSING IAW PIPER PA-46-350P MM 32-20-00. PERFORMED FUNCTION CHECK, FUNCTION CHECK GOOD. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 28

LH EXHAUST CLAMP BETWEEN #4 AND #6 NEEDS TIGHTENED

CORRECTIVE ACTION

REMOVED SAFETY WIRE FROM CLAMP, TIGHTENED CLAMP, AND INSTALLED SAFETY WIRE IAW LYCOMING S.I. 1238B. NO DEFECTS NOTED AT THIS TIME.

Discrepancy: 29

PILOT SEAT WILL NOT STAY UPRIGHT

CORRECTIVE ACTION

REMOVED PILOT SEAT, FOUND NIPPLE ON GAS STRUT WAS STAYING DEPRESSED. LUBRICATED NIPPLE AND ACTUATED SEVERAL TIMES TO LOOSEN IT UP. FOUND CLIP FOR RECLINE BUTTON INCORRECTLY INSTALLED. REINSTALLED CLIP ON RECLINE BUTTON CORRECTLY. REINSTALLED PILOT SEAT AND STOPS IAW PA46-350P AMM 25-10-00. NO OTHER DEFECTS NOTED.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was

inspected and repaired in accordance with current regulations of the Federal Aviation Administration and annual inspection. I certify that this aircraft was found

airworthy and is approved for return to service. Pertinent details of the repair are on file at this repair station.

SIGNED: [Signature] DATE: 3/5/25

Tri-State Aero, LLC CRS AHTR102C 6101 Flightline Drive Evansville, Indiana 47725