

Registration No. _____

USAirports Flight Support 1265 Scottsville Road Rochester, NY 14624 UG6R0850
LOG ID# 1172 06-November-2014 WO# 6129 AC TT 1294.5
N819TB S/N 4697117 PIPER PA46-500TP

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DISCREPANCY: Customer reports overtemp of engine on start.

ACTION: Performed borescope of engine IAW P&WC PT6A-42A MM 72-00-00. Results sent to P&WC for evaluation. HSI performed by Dallas Airmotive WO RPR36482 IAW P&WC letter
PAA2014-640-PT6A-42A-RM0122. Work accomplished by Engine and Airframe Solutions worldwide LLC -- see
EAS WO012092

DISCREPANCY: Battery capacity check

ACTION: Performed capacity check of main battery per Concorde RG series CMM 24-30-71 and found satisfactory. Charged battery and reinstalled.

DISCREPANCY: Annual inspection

ACTION: Performed an Annual Inspection (Event #1 and Event #2) using a checklist that meets the requirements of CFR 43 appendix D.

DISCREPANCY: AD research required

ACTION: Performed and completed AD research IAW Tdata disc up to and including 2014-22.

DISCREPANCY: Beta ring carbon block worn

ACTION: Removed carbon block p/n A-3026. Installed new carbon block p/n A-3026 IAW 61-10-00.

DISCREPANCY: Prop deice boot has nick and delaminating

ACTION: Found nick and separation acceptable per PA46-500TP MM 30-60-00. Nick and separation sealed with edge sealant.

DISCREPANCY: wing and prop deice boots missing edge sealer

ACTION: Applied edge sealant to prop and wing deice boots per 30-10-00 and Hartzell manual 61-12-82.

DISCREPANCY: Crew and Pax oxygen generators due 10 yr service life replacement.

ACTION: Removed crew O2 generator P/N 471-025 S/N 00004125. Installed new O2 generator P/N 471-025 S/N A14062686. Removed both PAX O2 generator P/N 471-025 S/N 00004157 and S/N 00004159. Installed new O2 generators P/N 471-025 S/N A14071286 and A14071289. IAW Piper PA-46-500TP MM 35-20-00. PAX MFG date 07/2014 and crew MFG date 06/2014.

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DISCREPANCY: Post light for oxygen level inop

ACTION: Replaced lamp p/n 327 in oxygen level post light. Operational check was satisfactory.

DISCREPANCY: Passenger windows have sealant cracking and peeling

ACTION: Removed all sealant from all cabin and pilot side windows. Cleaned windows and reapplied sealant as required. IAW PA 46-500TP MM 56-20-00.

DISCREPANCY: Several broken wires above pilot yoke

ACTION: Repaired wiring to pilot's MFD as needed. Operational check was satisfactory.

DISCREPANCY: Emergency exit door seal cut in multiple locations

ACTION: Replaced emergency door seal p/n 686-045.

DISCREPANCY: Hydraulic reservoir requires servicing

ACTION: Serviced hydraulic reservoir to within normal limits as required.

DISCREPANCY: Fuel filter element due replacement in 31.5 hrs

ACTION: Removed and replaced fuel filter element P/N 601-809. IAW PA46-500TP MM 12-10-00. Due again @ 1894.5hrs.

DISCREPANCY: Rudder trim rods are corroded slightly due to missing paint

ACTION: Removed control rods and treated the surface corrosion. Installed rudder trim control rods IAW 27-20-00.

DISCREPANCY: LH fuel cap lanyard broken

ACTION: Removed and replaced broken lanyard with new P/N MS27380-1.

DISCREPANCY: RH fuel cap lanyard broken

ACTION: Removed and replaced broken lanyard with new P/N MS27380-1.

DISCREPANCY: LH MLG trunnion has forward and aft play

ACTION: Placed aircraft on jacks. Removed fwd trunnion pin and installed shim P/N 83698-002. Reinstalled and secured fwd trunnion pin. Performed gear swing satisfactory at this time. IAW PA-46-500TP MM 32-10-00.

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DISCREPANCY: Multiple static wick discharges failed resistance check

ACTION: Removed and replaced all failed static dischargers with P/N 456-904. IAW PA46-500TP MM 33-60-00.

DISCREPANCY: LH MLG brake has two worn linings

ACTION: Removed and replaced worn linings with new P/N 066-06200 IAW PA46-500TP MM 32-40-00

DISCREPANCY: LH & RH MLG brake pad spacers / shims damaged

ACTION: Removed and replaced damaged shims with new P/N 068-01100 IAW PA46-500TP MM 32-40-00

DISCREPANCY: Standby attitude power supply failed capacity check

ACTION: Removed standby attitude indicator power supply p/n 501-1682-01 s/n 1704. Performed capacity check on power supply and it failed. Installed overhauled standby attitude indicator power supply p/n 501-1682-01 s/n 1014.

DISCREPANCY: Owner request compliance of MSB 1183. Inspection of emergency exit door.

ACTION: Complied with service bulletin #1183 Inspection of Emergency Exit Door as requested. Rework of upper R/H corner C/w.

DISCREPANCY: L/h exhaust stack chaffed

ACTION: Found L/H exhaust stack does not contact cowling due to previous trimming of the cowling on 11/14/2004.

DISCREPANCY: Nose strut requires servicing

ACTION: Serviced nose strut IAW Piper PA46-500TP MM 12-10-00.

DISCREPANCY: External power door latch sticking

ACTION: Cleaned and lubed latch for external power door.

DISCREPANCY: Alternator belt tension low

ACTION: Tightened alternator belt and safety wired.

AIRCRAFT LOG

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DISCREPANCY: A/C compressor has play at mounting hardware

ACTION: Replaced bolt, bushings and washers to air conditioner compressor mount. Adjusted belt tension.

DISCREPANCY: Courtesy entry light switch broken.

ACTION: Replaced courtesy entry light switch p/n 89878-002. operational check was satisfactory.

DISCREPANCY: Yaw bridle cable tension low

ACTION: Adjusted yaw bridle cable tension per PA46-500TP MM 22-10-00.

DISCREPANCY: Pitch bridle cable tension low

ACTION: Adjusted pitch bridle cable tension per PA46-500TP MM 22-10-00.

DISCREPANCY: On auto start starter kicks out

ACTION: Accessed auto start relay in overhead panel and found circuit boards not fully seated due to a stand off. Secured stand off to board and seated boards in correct position. Cleaned corrosion from terminals on manual/auto and start buttons. Operational check was satisfactory.

DISCREPANCY: Multiple damaged fasteners at both LH and RH inbd lower wing fairings.

ACTION: Removed and replaced all damaged LH and RH inbd lower wing fairing fasteners as required.

DISCREPANCY: Oxygen annunciator illuminated

ACTION: Reattached wire to copilot seat oxygen generator. Oxygen annunciator no longer illuminated.

DISCREPANCY: Customer request erosion boot installation on radar pod.

ACTION: Installed erosion boot P/N PM-158 as required to radar pod IAW installation manual.

DISCREPANCY: Operational check of cabin pressure controller failed.

ACTION: Performed operational check of cabin pressure controller per PA46-500TP MM 21-30-00. Found that following procedures in 21-30-00 it is not possible to pressurize aircraft while on the ground unless the cabin pressure dump circuit breaker is pulled. After pulling cabin pressure dump circuit breaker the operational check was satisfactory.

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and Remarks	Signature	Certificate No.
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DISCREPANCY: Starter turns slowly on battery power
ACTION: Checked battery connections and found no faults. Removed starter/generator p/n 200GSL145Q s/n 9153. Found starter/generator failed insulation check per PA46-500TP MM 24-30-00. Installed overhauled starter/generator p/n 200GSL145Q s/n 7526 per PA46-500TP MM 24-30-00. Operational check was satisfactory.

Items approved for return to service. Pertinent details are on file at this repair station under the work order mentioned above.

Dennis Gray 11/6/2014
RS UG6R0850 Dennis Gray Date

USAirports Flight Support 1265 Scottsville Road Rochester, NY 14624 UG6R0850 LOG ID# 1178 12-November-2014 WO# 6129/38 HOBBS 1294.5 N819TB S/N 4697117 PIPER PA46-500TP	Pg 1
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*** ITEM # 6129-38 Auto ignition failed operational check. ***
DISCREPANCY: Auto ignition failed operational check.
ACTION: Troubleshoot system and found broken wire at connector P427 of the torque switch. Repinned connector and reinstalled. Operational check was satisfactory.

*** ITEM # 6129-39 Auto start intermittent ***
DISCREPANCY: Auto start intermittent
ACTION: Replaced relays K2 and K3 in overhead panel with p/n RTE24024F. Replaced relay 1012 in pilot side panel below circuit breakers with p/n PS50203-1. Operational check was satisfactory.

Items approved for return to service. Pertinent details are on file at this repair station under the work order mentioned above.

Dennis Gray 11/12/2014
RS UG6R0850 Dennis Gray Date

AIRCRAFT LOG

USAirports Flight Support 1265 Scottsville Road Rochester, NY 14624 UG6R0850
 LOG ID# 1184 05-December-2014 WO# 6316/1 HOBBS 1317.8
 N819TB S/N 4697117 PIPER PA46-500TP

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**** ITEM # 6316-1 Standby attitude power supply heater fail ****

DISCREPANCY: Standby attitude power supply heater fail annunciated

ACTION: Removed power supply P/N 501-1682-01 S/N 1014 installed power supply P/N 501-1682-01 S/N 2043 IAW 34-20-00. Operational test was satisfactory.

Items approved for return to service. Pertinent details are on file at this repair station under the work order mentioned above.

CRS UG6R0850 Dennis Gray

Date



200 Airport Dr. Westminster, MD 21157

Phone (410) 574-4144 / Fax: (410) 846-1111

Aircraft Log Entry

Date: February 26, 2015
 W/O: DMW-102199

Hobbs: 1347.2
 Total Time: 1347.2
 Cycles: -----


Registration #: N819TB
 Make/Model: PA46-500TP
 S/N: 4697117

- C/W Malibu Aerospace STC SA03188CH by installing LED taxi light assemblies p/n 100100-2 and p/n 100100-1 IAW Malibu Aerospace master data list L46-DL5000 Rev D dated Feb 25, 2013 and Installation Instructions document MA-L46-D3150 Rev C dated Feb 25, 2013. Weight and balance record revised to reflect these changes. Reference document MA-L46-D3150 Rev C dated Feb 25, 2013 or later approved revision for instructions for continued airworthiness - No periodic inspections required at this time beyond the scope of PA-46-500TP MM. See FAA form 337 dated 2/26/15.
- Removed and replaced forward lower cabin door cable with new unit p/n 304-36-0563 IAW Piper PA46-500TP AMM 52-10-00.
- Removed and replaced RH taxi light control module with new unit p/n 102227-007 IAW Piper Mandatory SB 1132.
- Performed 100 hour power recovery and turbine wash IAW Piper PA-46-500TP MM chapter 12-00-00 and P&WC PT6A-42A MM chapter 71-00-00.

Total To
 Carry Forward

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service with respect to the work performed. Pertinent details of the repair are on file at this agency under Work Order No: DMW-102199

Signed  for Skytech, Inc. 200 Airport Dr. Westminster, MD 21157.

CRS# LF1R294