

MAKE: Extra
MODEL: EA 400
S/N: 010
REG. NO: N13EP
WORK ORDER:
1078-01-2018

Tubreaux Aviation Maintenance, LLC.



DATE: 3/23/2018
A/C TSN: 1140.1
HOBBS: 353.7

Airframe Entries

- Annual Inspection... Completed a 100 hr. Inspection in accordance with the EA-400 maintenance manual doc.-no. Ea-05702 as revised thru issue 10, 13 September 2001, chapter 05-20-00-100hr. Inspection checklists pgs. 1-27.
- Opened all applicable inspection panels, cowlings and fairings. Inspected all structures, plumbing, wiring, and control systems for continuity, security, proper attachment, and proper operation thru specified range limitations.
- Placed aircraft on jacks, inspected landing gear to include wheels, brakes, plumbing, and fixtures. Performed retract tests both normal and emergency, no defects found. Conducted complete lubrication service of all greaseable fittings, and oiled all necessary links and rod ends. Cleaned and repacked all wheel bearings. Inspected all brake components.
- Inspected all fuel system plumbing, fittings, and attachments. Overpressure relief valve, Checked for leaks, proper quantity indication, fuel drain operation, and fuel selector operation. Removed and inspected fuel gascolator strainer for contamination. No defects found. Torque and re-safety.
- Complete ELT Inspection in accordance with FAR 91.207 (d)... Inspected ELT per far 91.207 as follows. Proper installation: battery corrosion; operation of the controls and crash sensor; and the presence of a sufficient signal radiated from its antenna. Op's checked normal. Elt battery exp date: 05/2021. Unit: ME406 S/N: 242-00937 HEX Id: ADCC4 00EA4 003C9 .
- No cabin pressure.... Troubleshooting cabin pressure problem, performed pressure test. Found the outflow valve was not properly sealing. Removed Outflow valve and controller and sent to Dukes for test/repair. Reinstalled and tested, Op's checked normal. Removed all test equipment and aircraft was test flown. Op's checked normal.
- No cabin heat in the rear cabin.... Troubleshooting found heater internal fuse has failed. Packed and shipped to the manufacturer for repair. Reinstalled after repair by Enviro Systems Inc. Ground run and Op's checked normal.
- Check Freon refrigerant level in the Enviro System compressor pack. Spec is 2.3 lbs... Checked Freon refrigerant level in the Enviro System compressor pack. Spec is 2.3 lbs. Recovered Freon 1.9lb and serviced system with 2.3 pounds. Ground run, Op's checked normal.
- FAR 91.411 and FAR 91.413 Inspections are due.... FAR 91.411 and FAR 91.413 Inspections completed by Sparrow Inspections per Work Order 7879. Next due 03/2020

I certify that this aircraft has been inspected IAW an Annual inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date.

DATE: 3/23/2018

SIGNED:



Work Order: 1078-01-2018

Claude Bonner, IA:



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ENGINE MODEL:
TSIOL-550-C1
ENGINE S/N: 803304
REG. NO: N13EP
WORK ORDER:
1078-01-2018

Tubreaux Aviation Maintenance, LLC.



DATE: 3/23/2018
A/C TSN: 1140.1
ENG TT: 572.9
TSMOH: 572.9
HOBBS: 353.7

Engine Entries

- Comply with Engine 100 hour inspection. (Charge time to item #1)... Completed a 100 Hr. inspection in accordance with the Ea-400 Service Manual P/N EA-05702 chapter 05-20-00-100hr. Inspection checklists Pgs. 1-27.
Drained oil and changed oil filter conducted, no defects found.
Performed compression check as follows,
A1:72 A2:71 A3:68 A4:72 A5:71 A6:69
Cleaned, gapped, and tested all spark plugs, no defects found. Rotated and reinstalled.
Checked magneto to engine timing, No defects were found.
Removed all fuel injection nozzles, ultrasonic cleaned and reinstalled with all new gaskets and seats.
Serviced Engine with 9qts Aeroshell W100 Plus oil

Pressurized and inspected the exhaust system, no defects were found.

SB03-3 Differential Pressure Test and Borescope Inspection Procedures for Cylinders. C/W and no defects were found.

CSB01-1 Fuel Pump Inspection and Seal Leak Test. C/W and no defects were found.

MSB94-8A Magneto To Engine Timing. C/W and no defects were found.

SB96-12 Continued Airworthiness Instructions For Tcm Cylinders. C/W and no defects were found.

SB653 Hot Magneto Test C/W and no defects were found.

Complied With A.D. Summary thru Biweekly 2018-06, 3/5/2018 - 3/18/2018. No AD's Are due at this time.
· Coolant leak... Troubleshooting coolant leak, Pressurized system and identified the leak. Drained coolant, Replaced bad O-Ring with new, Installed new part. Serviced with Fresh Dex-cool Coolant. Bled system per TCM procedure. Safety all coolant bleeders. Performed High power ground run test. Op's checked normal for return to service.
· Manifold Pressure not stable... Removed and installed Overhauled Slope Controller. P/N 481058-9004 S/N JCN00434. Ground run and set controller in accordance with Continental Engine Manual M-0ELEC Ch. 6-4.10.3.3. Sloped Controller Adjustment

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date.

DATE: 3/23/2018

SIGNED:



Work Order: 1078-01-2018

Claude Bonner, IA:



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PROP MODEL: MTV-14-D
PROP S/N: 99276
REG. NO: N13EP
WORK ORDER:
1078-01-2018

Tubreux Aviation Maintenance, LLC.

DATE: 3/23/2018
A/C TSN: 1140.1
PROP TT: 1049.8
TSPOH:
HOBBSS: 353.7

Prop Entries

· Comply with Propeller 100 hour inspection. (Charge time to item #1)... Completed a 100hr inspection in accordance with the Ea-400 Service Manual P/N EA-05702 chapter 05-20-00-100hr. Inspection checklists Pgs. 1-27.

Removed spinner assembly, inspected hub, and related parts, No defects found.

Inspected blades for defects, no defects found.

Reinstalled Spinner Assy.


Complied With A.D. Summary thru Biweekly 2018-06, 3/5/2018 - 3/18/2018. No AD's Are due at this time.

I certify that this propeller has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition. Aircraft was returned to service this date.

DATE: 3/23/2018

SIGNED: 

Work Order: 1078-01-2018

Claude Bonner, IA 

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