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AS-ERA

Date: 7/31/2023

Subject: ERA23LA291, Mechanic Checklist

The following is the checklist used by the maintenance shop that completed the condition inspection of PR-ZVL.

Condition Inspection Checklist PR-ZVL

Condition Inspection Checklist Compiled from FAR 43, Appendix D

Aircraft Make/Model: Volato 400 S/N: 001

Engine Make/Model: Ly YD-390-EXP S/N: L-761-80E

Date of Inspection: 5/1/2023 TT Airframe: 156.2

TT Engine: 156.2

Scope and Detail of Items (As Applicable to the Particular Aircraft) to be Included in Annual and 100-Hour Inspections

(a) Each person performing an annual or 100-hour inspection shall, before that inspection, remove or open all necessary inspection plates, access doors, fairing, and cowling. He shall thoroughly clean the aircraft and aircraft engine.

(b) Each person performing an annual or 100-hour inspection shall inspect (where applicable) the following components of the fuselage and hull group:

☒ Pass ☐ Fail (1) Fabric and skin-for deterioration, distortion, other evidence of failure, and defective or insecure attachment of fittings.

☒ Pass ☐ Fail (2) Systems and components-for improper installation, apparent defects, and unsatisfactory operation.

☒ Pass ☐ Fail (3) Envelope, gas bags, ballast tanks, and related parts-for poor condition.

(c) Each person performing an annual or 100-hour inspection shall inspect (where applicable) the following components of the cabin and cockpit group:

☒ Pass ☐ Fail (1) Generally-for uncleanness and loose equipment that might foul the controls.

☒ Pass ☐ Fail (2) Seats and safety belts-for poor condition and apparent defects.

☒ Pass ☐ Fail (3) Windows and windshields-for deterioration and breakage.

☒ Pass ☐ Fail (4) Instruments-for poor condition, mounting, marking, and (where practicable) improper operation.

☒ Pass ☐ Fail (5) Flight and engine controls-for improper installation and improper operation.

☒ Pass ☐ Fail (6) Batteries-for improper installation and improper charge.

☒ Pass ☐ Fail (7) All systems-for improper installation, poor general condition, apparent and obvious defects, and insecurity of attachment.

(d) Each person performing an annual or 100-hour inspection shall inspect (where applicable) components of the engine and nacelle group as follows:

☐ Pass ☐ Fail (1) Engine section\for visual evidence of excessive oil, fuel, or hydraulic leaks, and sources of such leaks.

☐ Pass ☐ Fail (2) Studs and nuts\for improper torquing and obvious defects.

☐ Pass ☐ Fail (3) Internal engine\for cylinder compression and for metal particles or foreign matter on screens and sump drain plugs. If there is weak cylinder compression, for improper internal condition and improper internal tolerances.

☐ Pass ☐ Fail (4) Engine mount\for cracks, looseness of mounting, and looseness of engine to mount.

☐ Pass ☐ Fail (5) Flexible vibration dampeners\for poor condition and deterioration.

☐ Pass ☐ Fail (6) Engine controls\for defects, improper travel, and improper safetying.

☐ Pass ☐ Fail (7) Lines, hoses, and clamps-for leaks, improper condition and looseness.

☐ Pass ☐ Fail (8) Exhaust stacks\for cracks, defects, and improper attachment.

☐ Pass ☐ Fail (9) Accessories\for apparent defects in security of mounting.

☐ Pass ☐ Fail (10) All systems\for improper installation, poor general condition, defects, and insecure attachment.

☐ Pass ☐ Fail (11) Cowling\for cracks, and defects.

(e) Each person performing an annual or 100-hour inspection shall inspect (where applicable) the following components of the landing gear group:

☐ Pass ☐ Fail (1) All units\for poor condition and insecurity of attachment.

NA ☐ Pass ☐ Fail (2) Shock absorbing devices\for improper oleo fluid level.

☐ Pass ☐ Fail (3) Linkages, trusses, and members\for undue or excessive wear fatigue, and distortion.

NA ☐ Pass ☐ Fail (4) Retracting and locking mechanism\for improper operation.

☐ Pass ☐ Fail (5) Hydraulic lines\for leakage.

☐ Pass ☐ Fail (6) Electrical system\for chafing and improper operation of switches.

☐ Pass ☐ Fail (7) Wheels\for cracks, defects, and condition of bearings.

☐ Pass ☐ Fail (8) Tires\for wear and cuts.

☐ Pass ☐ Fail (9) Brakes\for improper adjustment.

NA ☐ Pass ☐ Fail (10) Floats and skis\for insecure attachment and obvious or apparent defects.

(f) Each person performing an annual or 100-hour inspection shall inspect (where applicable) all components of the wing and center section assembly for poor general condition, fabric or skin deterioration, distortion, evidence of

failure, and insecurity of attachment.

Pass ___ Fail ___

(g) Each person performing an annual or 100-hour inspection shall inspect (where applicable) all components and systems that make up the complete empennage assembly for poor general condition, fabric or skin deterioration, distortion, evidence of failure, insecure attachment, improper component installation, and improper component operation.

Pass ___ Fail ___

(h) Each person performing an annual or 100-hour inspection shall inspect (where applicable) the following components of the propeller group:

Pass ___ Fail (1) Propeller assembly for cracks, nicks, binds, and oil leakage.

Pass ___ Fail (2) Bolts for improper torquing and lack of safetying.

Pass ___ Fail (3) Anti-icing devices for improper operations and obvious defects.

Pass ___ Fail (4) Control mechanism for improper operation, insecure mounting, and restricted travel.

(i) Each person performing an annual or 100-hour inspection shall inspect (where applicable) the following components of the radio group:

Pass ___ Fail (1) Radio and electronic equipment for improper installation and insecure mounting.

Pass ___ Fail (2) Wiring and conduits for improper routing, insecure mounting, and obvious defects.

Pass ___ Fail (3) Bonding and shielding for improper installation and poor condition.

Pass ___ Fail (4) Antenna including trailing antenna for poor condition, insecure mounting, and improper operation.

(j) Each person performing an annual or 100-hour inspection shall inspect (where applicable) each installed miscellaneous item that is not otherwise covered by this listing for improper installation and improper operation.

Pass ___ Fail ___

Compression check #1 74/80 #2 72/80 #3 74/80 #4 74/80

Notes and explanation of unairworthy items found:

- Owner advised of engine bracket to firewall mounts need to be changed soon. Showing signs of dryrot.
- RH muffler assembly completely missing from engine compartment.
- Installed auto-pilot equipment but could not satisfactorily mount the auto-pilot servo so removed the servo + the actuating bracket for elevator + secured wiring.
- Initial run-up was not complete due to fuel selector actuating rod being pulled out. Reset rod + fuel flow was restored. Run-up ok.
- Owner wanted his wife + auto-pilot installed after aircraft was turned out of shop and offered double my hourly rate if I could it, explained I did not have time cause I had other aircrafts on schedule.
- Fixed a few sections of baffling due to breaking
- Air Filter removed + cleaned

Finished with Aircraft 6/1/2023