

AEROPRAKT LTD A-22 LS Model Guide

The AEROPRAKT LTD A-22 LS is a single-engine piston light aircraft. It has fabric-covered wings with fuel tanks in the wings, wing struts and flaperons. A glider and banner tow release is optional. No registry specs were supplied, and the checklist quotes speeds at a 600 kg MTOW. Check the POH and service bulletins against the serial number you are buying.

KEY TAKEAWAYS

- Optional Tost E 85 tow release for glider and banner towing; the towing aircraft's mass may not exceed 500 kg.
- Service bulletin SB A22LS-24 covers landing-gear braking resonance on serials 1-434; check the beam for fatigue cracks.
- Rescue-system bracket SB A22LS-23 is mandatory on listed serials; confirm it was done if a parachute is fitted.
- Pre-purchase run-up at 4,000 rpm: max 300 rpm drop per ignition side, oil pressure 29-73 PSI.

SAFETY NOTES

- Braking: avoid resonant vibration of the main gear legs; hard braking on hard runways may cause fatigue cracks in the gear attachment beam.
- Towing: release the rope or banner before landing and beware of obstacles that may catch it.
- Skipping the rescue-system bracket (SB A22LS-23) will cause incorrect function and injury if the system deploys.

GLIDER AND BANNER TOWING

The optional E 85 tow release fits on the tail fuselage. Glider towing needs one pilot only, and the glider may not exceed 700 kg. The weak link must be 200-300 daN and the rope 40 to 60 m long. Minimum tow speed is 95 km/h and best climb speed is 105 km/h. Takeoff distance to 15 m is under 600 m in the stated conditions. High grass can add up to 25%.

BULLETINS TO VERIFY ON A USED AIRCRAFT

SB A22LS-24 (landing-gear braking resonance) affects serials 1-434. Its text is built into POH for serials over 434. SB A22LS-23 adds a rescue rocket bracket on listed serials and is mandatory. SB A22LS-15 moved some 50 hour checks to 100 hours for serials 1-282. IB A-22LS-08 moved wing and strut inspection to 500 hours. Propeller hub and spinner are checked every 200 h.

WHAT THE PRE-FLIGHT CHECKLIST TELLS YOU TO INSPECT

Check engine mount and vibration dampers for cracks, exhaust springs, and fuel, oil and coolant leaks. Inspect nose and main legs and the tyres and brakes. Check wing and strut attachment fittings, fuel tank caps and vents, flaperon hinges, and the baggage container. Verify the recovery system if fitted. Before takeoff, coolant must read at least 60°C and oil at least 50°C.