

**Subject:** Preservation of LIMBACH Aero Engines

**Affected engine models:** All engine models:

L 1700  
L 2000  
L 2400

Any engine that had been subject to a production or maintenance inspection is internally preserved by the manufacturer. For shipping purposes, the oil has been drained from these engines. If an engine is stored for more than 3 months, preservation has to be performed according to the manufacturer's instructions.

## A Preservation of Removed Engine

### 1 Performance

- 1.1 Charge 2.5 l of anticorrosive oil
- 1.2 Remove spark plugs and spray anticorrosive oil into the combustion chambers so that the upper part of the cylinder barrel is wetted, too. **Do not fill up.**
- 1.3 Crank the engine manually or with starter several times.
- 1.4 Spray spark plugs with anticorrosive oil, install and tighten spark plugs.
- 1.5 Wet all carburettor hinges with anticorrosive oil.
- 1.6 Seal all openings - exhaust pipe, breather pipe and induction air filter - to prevent dirt or moisture from entering.
- 1.7 Spray engine surface with anticorrosive oil.  
Before spraying, parts and areas to be preserved have to be cleaned thoroughly. Take care of not exposing rubber parts - drive belts, hoses, tubes - to anticorrosive oil.
- 1.8 Attach a placard to the engine, indicating the date of preservation. The carburettor does not get any preservation. Repeat preservation according to item 2 to 8 any 3 months.

### 2 Storage

The engine must be stored in a heated, dry room. Do not place it directly on the ground. Cover wooden support and engine. If storing engines in wooden boxes, the wooden box should be placed on planks and the cover be opened approx. 1/2 in for better ventilation.

### 3 Packing

Shipping of the engine must be performed using a wooden box, which allows proper storage of the engine and prevents the engine from being damaged during transport. The external surfaces of the engine are preserved by sprayed-on engine oil; the oil inside the engine **has to be drained**. Ignition harness connectors and alternator must be protected against oil and grease. Accessories, which are separately packed but shipped in the same container, must be shock and impact protected.

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## B Preservation of Installed Engine

If the engine will not be operated for an extended period, corrosion protection has to be performed according to the following instructions.

- 1 Warm up engine and drain engine oil after engine shutdown.
- 2 Refill 2.5 l of anticorrosive oil (3.5 l for series L 2400) and run engine for approx. half an hour at slightly increased idle power.
- 3 Remove induction air filter , fill approx. 25 - 30 cm<sup>3</sup> of anticorrosive oil into the carburettor of the running engine and shut down the engine.
- 4 Remove spark plugs and spray anticorrosive oil into the combustion chambers so that the upper part of the cylinder barrel is wetted, too. Do not fill up.
- 5 Crank the engine manually or with starter several times.
- 6 Spray spark plugs with anticorrosive oil, install and tighten spark plugs.
- 7 Wet all carburettor hinges with anticorrosive oil.
- 8 Seal all openings - exhaust pipe, breather pipe and induction air filter - to prevent dirt or moisture from entering.
- 9 Spray engine surface with anticorrosive oil.  
Before spraying, parts and areas to be preserved have to be cleaned thoroughly. Take care of not exposing rubber parts - drive belts, hoses, tubes - to anticorrosive oil.

Engines, which run at least 20 min. under load every two weeks, do not require corrosion protection.

**Remarks:**

This document has been translated to the best of our knowledge. In case of doubt however only the German original shall be considered authoritative.

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