

## 8.1) Engine preservation

### General note



Risk of burnings and scalds!

Hot engine parts!

Always allow engine to cool down to ambient temperature before start of any work.

Due to the special material of the cylinder wall, there is no need for extra protection against corrosion for the ROTAX aircraft engines. At extreme climatic conditions and for long out of service periods we recommend the following to protect the valve guides against corrosion:

Step	Procedure
1	Operate the engine until the temperatures have stabilized for a period of 5 min (engine oil temperature between 50 to 70 °C (122 to 160 °F)).
2	Switch the engine OFF.
3	Allow the engine to cool down.
4	Change oil.
5	Remove the air intake filters and insert approx. 30 cm <sup>3</sup> (1 fl oz) of corrosion inhibiting oil into the carburetor throat with the engine running at increased idle speed. Shut off engine.
6	Drain carburetor float chamber.
7	Apply oil to all joints on carburetors.
8	Close <b>all</b> openings on the cold engine, such as exhaust end pipe, venting tube, air filter etc. against entry of dirt and humidity.
9	Spray all steel external engine parts with corrosion inhibiting oil.

## 8.2) Engine back to operation

If preservation (including oil change) took place within a year of storage, oil renewal will not be necessary. For longer storage periods repeat preservation annually.

Step	Procedure
1	Remove all plugs and caps.
2	Clean spark plugs with plastic brush and solvent.
3	Reinstall.