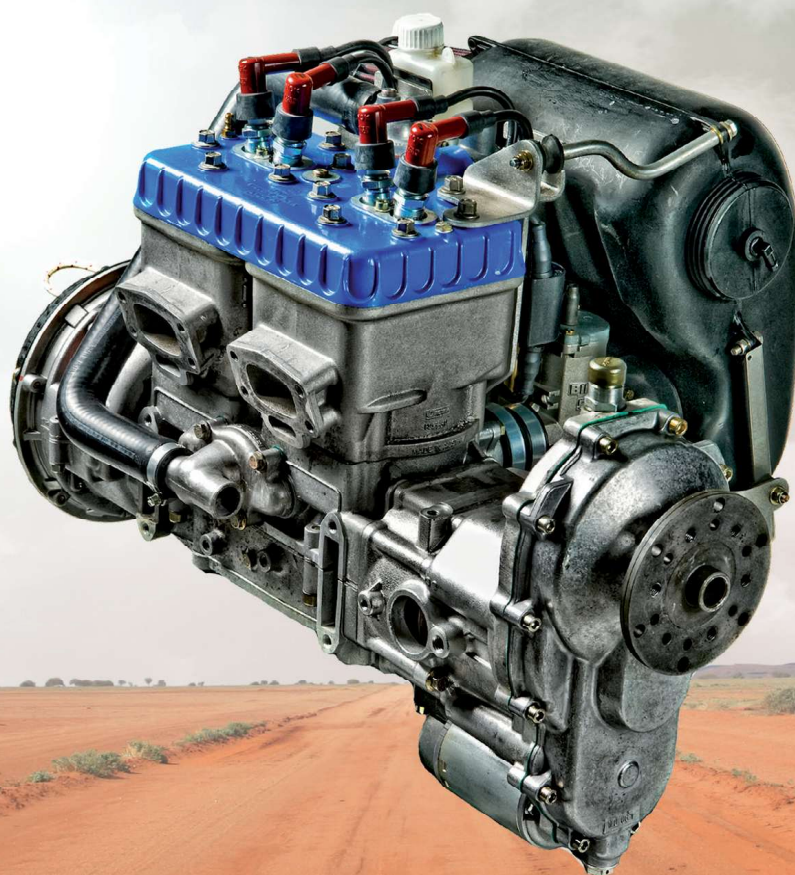


OPERATORS MANUAL

FOR ROTAX® ENGINE TYPE 582 UL SERIES



ROTAX® 582 UL DCDI Mod. 99 WITH OPTIONS

ROTAX® 582 UL DCDI Mod. 17 WITH OPTIONS

8.1) Engine preservation

If the engine is not going to be used for an extended period of time, certain measures must be taken to protect engine against heat, direct sun light, corrosion and formation of residues and ingress of contaminants.

In particular the water bonded by the alcohol in the fuel causes increased corrosion problems at engine stops or storage. Especially affected are essential engine components such as crankshaft bearings and conrod bearings as well as crank pins and piston pins.

8.1.1) After each flight

- Activate choke for a moment before stopping engine
This will draw a richer fuel/air mixture along with additional lubrication into the engine. This additional lubrication will aid in protecting internal engine components from corrosion.
- Close all engine openings like exhaust pipe, carburetor and fuel tank vents, venting tube and air filter to prevent entry of contamination and humidity.

8.1.2) At engine stoppage of 1 to 4 weeks

- Let the engine run at increased idle speed
- Shut engine down and secure against inadvertent engine start
- Remove air filters and inject approx. 3 cm³ of preservation oil or equivalent oil into the air intake of each carburetor
- Restart engine and run at increased idle speed for 10 - 15 seconds
- Shut engine down and secure against inadvertent engine start
- Close all engine openings such as exhaust pipe, carburetor and fuel tank vents, venting tube and air filter to prevent entry of contamination and humidity.

8.1.3) At out of service periods or storage of engine for longer than 4 weeks up to 1 year

- Let the engine run at increased idle speed
- Remove air filters and inject approx. 6 cm³ of preservation oil or equivalent oil into the air intake of each carburetor
- Stop engine and secure against inadvertent engine start

⚠ WARNING

Non-compliance can result in serious injuries or death!
Verify ignition "OFF".

- Remove spark plugs and inject approx. 6 cm³ preservation oil or equivalent oil into each cylinder and slowly turn crankshaft 2 to 3 turns by hand to lubricate top end parts. Refit spark plugs
- Drain gasoline from float chambers, fuel tank and fuel lines

ENVIRONMENTAL NOTE

Protect the environment!
Generally comply with standard rules for handling of chemicals. Dispose of chemicals as per local environmental regulations.

- Lubricate all carburetor linkages
- Close all openings of the engine like exhaust end pipe, carburetor and fuel tank vents, venting tube and air intake to prevent entry of dirt and humidity
- Spray all external steel parts with engine oil or appropriate preservation oil