

## ENGLISH (ENG)

# TREATING TWO-STROKE INTERNAL COMBUSTION ENGINES WITH RVS TECHNOLOGY™ 2-STROKE ENGINE PROTECTION & RESTORATION PRODUCTS

With RVS Technology™ 2-Stroke Engine Protection & Restoration, you can treat different gasoline (petrol) driven 2-stroke engines. Note that there is another RVS Technology™ product designed specifically for chain saws.

The package contains high-quality 2-stroke oil and the right amount of the effective RVS Technology™ triboceramic material for an engine of the volume marked on the package. If the engine volume is larger than that indicated on the package, you can use several packages for one treatment procedure. For example, if the cylinder capacity is 250 cm<sup>3</sup>, you need two packages of RVS Technology™ 2-Stroke Engine Protection & Restoration 125cc. When treating smaller engines like 50 cm<sup>3</sup>, use a half of the contents of the bottle for one treatment procedure. Slight overdosing is not detrimental for the mechanism either, and an 350cc engine can be treated with one package of RVS Technology™ 2-Stroke Engine Protection & Restoration 500cc.

The step-by-step instructions below are given for one treatment procedure, in which one whole package is used. If you combine or divide packages in accordance with what is written above, adjust the instructions accordingly.

For a full treatment of a worn 2-stroke engine two treatment procedures are recommendable. The second treatment can be carried out after 4 to 6 hours of engine operation.

### THE TREATMENT

#### step by step

1. Start using the RVS Technology™ 2-Stroke Engine Protection & Restoration when the fuel tank is almost empty. The temperature of the package contents and the fuel in the tank should be over 10 °C (50 °F).

2. Let the engine operate for a few minutes in order for it to be at its normal operation temperature or at least warm before starting the treatment procedure.

3. Shake the bottle well (20–30 se) until the contents are homogenous. There should not remain any significant sediment on the bottom of the bottle. If the sediment is not easily loosened from the bottle bottom, you can put the bottle to a warm water bath and shake it after that again.

4. If the autolube oil is also used for treating gearings as may be e.g. in outboard motors, pour a half of the RVS bottle contents to the autolube oil tank and the remaining half to an amount of fuel that is sufficient for 30 to 60 minutes of engine operation.

In other cases, pour all the contents of the bottle to a small amount of fuel, sufficient for 30 to 60 minutes of engine operation regardless of whether the engine is equipped with an automatic lubrication system or not.

If you do not know if the automatic lubrication system is used for lubricating gearings, you may act in accordance with the first alternative way as the RVS Technology™ compound will ultimately end up in the engine. If the contents of the bottle are mixed with the fuel, the RVS Technology™ material will only affect the engine and leave untreated the gearings that may be lubricated with the autolube oil.

Calculate the RVS product as part of the normal lubricant. Add other 2-stroke oil if the oil-and-fuel mixture ratio is too low. However, you can add the required amount of the RVS product to the fuel even if the amount of oil becomes bigger than normal.

5. Start the engine. If the engine does not run or runs badly, dilute the mixture with so much fuel that the engine starts running properly again.

6. Use the engine in accordance with its use without long pauses until the engine runs out of the fuel and RVS mixture. However, avoid extreme engine loading (using on full throttle) during this running-in stage. As the amount of oil burning in the engine is larger than usually, the engine may smoke. This is normal and is not a sign of any failure.

7. Add fuel and the lubricant that is normally used in the engine in accordance with the manufacturer's instructions, and use the device as usual. At this stage the engine can be stopped without restrictions. The surface modification process will continue for some operational hours even without any RVS Technology™ material being in the fuel.

**Get acquainted with other protective and restoration products of the RVS Technology™ product family as well.**

#### Remark

- Do not treat engines with clear mechanical damages.

#### Storing and safety instructions

- Store at temperatures below +40 °C (105 °F).
- Keep the product out of reach of children.
- In case of skin contact, wash with lukewarm water and soap.
- If the product gets in your eyes, it may cause irritation – flush with water and consult a doctor if the irritation continues.
- If the product is swallowed, rinse mouth with water and consult a doctor. Do not induce vomiting!
- In case of fire, any extinguishing materials except water can be used.

Revised 22.10.2025