

## ENGLISH (ENG)

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

RVS Technology™ Engine Protection & Restoration products can be used in all engine types in accordance with the instructions provided, including engines with a lubrication system, in which the same oil is used as transmission oil, or in which clutch plates are in contact with the engine oil.

- There is no need to change the oil before starting the treatment procedure.
- If the oil is poured into the engine via a long tube (e.g. in trucks, buses, and recreational vehicles), make sure that the RVS compound does not stay in the tube. In such cases you may add some regular engine oil after applying the RVS compound in order to flush the RVS from the tube to the engine. If there is another oil pouring aperture in the engine, e.g. on the valve cover, its use is recommended.
- Every package includes the quantity of compound required for one treatment of an engine of the indicated type and size. Note that the tube size is not relative to the amount of the active substance in different packages. **We recommend that cars and motorcycles with a mileage of over 40 000 km (25 000 miles) and tractors with more than 1000 operational hours get a restoration treatment, for which you need two packages and which is carried out in two steps with an interval of approx. 300–400 kms (200–250 miles or 6–8 hours).** For the following treatment after a mileage of 100,000 km (60,000 miles) (motorcycles: 60,000 km / 40,000 miles) or 2500 operational hours, one package is sufficient.
- If the lubrication system volume of the engine does not correspond to the size category marked on the packages, you can use several packages for the treatment of the engine. For instance, if the oil capacity is 14 liters, you need two packages that alone are applicable for engines that contain 6 and 8 liters of oil. In such case, use one whole package when the instruction advises you to pour half of the bottle contents into the engine. Attention! It is not recommended to divide the contents of one package for the treatment of several engines as proper distribution of the effective material in the compound cannot be guaranteed.

#### THE FIRST TREATMENT

step by step

1. Warm the engine up to its normal operating temperature. The temperature of the package contents should be over 10 °C (50 °F).
2. Squeeze the contents of the small tube into the bottle and close the cap of the bottle.
3. Shake the bottle well (20–30 sec.) until the mixture is homogenous (the gel has dissolved into the content of the bottle).
4. Pour half of the mixture immediately into the engine.
5. Let the engine idle for 15 minutes.
6. Stop the engine for one minute.
7. Shake the bottle well (20–30 sec.).
8. Pour the rest of the mixture in the bottle into the engine.
9. Drive the vehicle at least for 30 minutes avoiding heavy engine loading. Avoid stopping the engine during this stage and in any case do not stop it for any period of time longer than a few minutes. If you are treating a motorcycle engine with a combined lubrication system with the gearbox, run the cycle on all the gears during this stage.
10. In the future, drive the vehicle as usual for approximately 300–400 kms (200–250 miles) (use a tractor or corresponding equipment for 6–8 hours) but avoid heavy engine loading (run-in). At this stage the engine can be stopped without restrictions.

**The second treatment procedure of a restoration treatment** is carried out 300–400 km (200–250 miles) (or 6 to 8 engine operation hours) after the first procedure.

ATTENTION! It is recommended not to postpone the second treatment further as the dirt removed from the surfaces being treated starts to stick back on the cleaned surfaces.

**If the first treatment was carried out with old oil or if the oil has clearly become dirty as a result of the treatment procedure, replace the engine oil and oil filter before the second treatment.**

Carry out the second treatment in accordance with the first one.

The treatment is complete after approximately 1500–2000 km (1000–1250 miles) (or 20 to 50 engine hours) counted from the last treatment stage. If needed, check and adjust the ignition / fuel injection timing and valve clearances. The RVS compound may be left in the engine until the following regular oil change.

A third treatment with a third package carried out similarly to the first and second ones may be useful for very worn engines.

#### Remarks

- Do not treat engines with clear mechanical damages.
- RVS works with all oils on the market, but separately added additives may affect the functionality and results of the RVS treatment. If you know that active teflon, molybdenum, or other additives have been added into the engine oil, it is advisable to flush the engine thoroughly with products made for it and replace the oil before the treatment.
- Prior to starting the treatment procedure, make sure that there are no major oil leaks in the engine.

#### 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 31.10.2024

Manufacturer:

Oy RVS Technology Ltd, Helsinki, Finland

Email: rvs@rvs.fi

www.rvs.fi

1. Motor t ~ 50°C



2. 10 ml + 190 ml = 200 ml



3. 20 – 30 sec



4. 1/2



5. 800 – 1200 rpm / 15 min



6. 0 rpm - 1 min



7. 20 – 30 sec



8. 1/2



9. 30 min



10. OK!

