

### **Diesel boosters**

Many manufacturers of additives on the market (known as diesel boosters) promise reduced fuel consumption and improved lubrication properties without any demonstrable effect whatsoever on either the fuel consumption or the lubrication properties.

Volvo is not responsible for any possible warranty claims when any such additives are used and it is not Volvo's policy to test and evaluate these additives.

**Important:** It is not permitted to add diesel boosters to the fuel.

### **Biodiesel/RME**

Vegetable oils and/or esters of vegetable oils, also called "biodiesel", such as for example rape methylester (RME) are available on certain markets both as in its pure state and as a mixture in diesel fuel.

Volvo Truck Corporation does not accept more than 5% RME in diesel ready mixed from the oil company since nitric oxide emissions increase drastically and the injection system can be damaged. Volvo does not intend carrying out long-term tests on engines for these fuels as no standard exists. If, in spite of this, the customer wishes to use fuels based on vegetable oils, we recommend that the oil changing intervals be halved in order to eliminate the risk of dilution of the engine oil. It is oil companies who are responsible for ensuring that the mixture of biodiesel meets the diesel standards. The customer must not add mixtures in the biodiesel in the diesel tank afterwards.

The cold properties for these fuels are not particularly good. Pure REM can produce deposits already at -10°C. They even have washing like characteristics which causes faster clogging of the fuel filters.

### **Used oil**

Used oil and two-stroke oil shorten the injection mechanism's life time considerably. In addition, the exhaust emissions increase with mixtures of these oils.

**Important:** It is not permitted to add used oil or two-stroke oil into the fuel tank.

### **Fuel used at airports and for military operations**

It is normal that vehicles used within airports and for military operations use aircraft fuel or various qualities of military diesel. It is important to follow the specifications of the particular fuel and it is necessary to determine the correct data regarding all the additives that have been added to the particular fuel. For any queries, contact Volvo Truck Corporation!