

## Engine oil

### *Oil specification:*

Oil for gasoline engines is classified in accordance with the API standard (American Petroleum Institute) into the grade classes SH (since 1993) and SJ (since 1996). The SJ class fulfils more stringent requirements and has a lower level of phosphorous. These grade classes are most often combined with the corresponding classes for diesel engines. The class designations for diesel engines begin with the letter "C" (Commercial). For example, a grade combination suitable for both types of engine could be API SH/CD or SJ/CF.

Under ACEA nomenclature, oils are divided into Class A for gasoline engines and Class B for diesel-engined passenger cars. There is a further class for heavy diesel engines. Each class is divided into three grades: 1, 2 and 3, where grades 2 and 3 normally encompass semi and fully-synthetic oils.

In the same way as in the API system, gasoline and diesel engine specifications are combined for products that can be used in both types of engine. For example, a grade designation could be ACEA A2/B2 or ACEA A3/B3.

To afford Saab engines the best protection with regard to lubrication, the ability to dissolve residues and the neutralization of combustion products, we recommend the following oil grades: API SH/CD/CF or SJ/CD/CF.  
ACEA A2/B2 or A3/B3.

**These oils contain the additives required for the engine to function well. We advise against the use of further additives.**

### *Viscosity:*

The viscosity of oil is classified according to the SAE standard. Nowadays, multigrade oils are always used in car engines. The properties of these oils facilitate starting the car in cold weather but mean that the oil is also viscous enough to coat all moving parts under high pressures and with high outside air temperatures.

Multigrade oils are graded with two viscosities, e.g. 10W-30, where the 10W meets certain viscosity requirements at -20°C, while the 30 fulfils requirements at a temperature of 100°C. Basic recommendations for Saab engines:

- **SAE 10W-30 or 10W-40.**

SAE 5W-30 can also be recommended but in which case the oil must be semi of fully-synthetic and fulfil ACEA grade requirements A3/B3.

Oils which are less viscous, such as 0W/-40/50 are becoming more common and may be used. However, the oil must be fully-synthetic, of a well known brand, and fulfil ACEA grade requirements A3/B3.

This viscosity makes starting in cold weather easier.

Oil capacity incl. filter (on changing):

4-cylinder \_\_\_\_\_ 4.1 qts (4.0 litres)

6-cylinder \_\_\_\_\_ 4.6 qts (4.5 litres)