

## Section 1 Service and maintenance

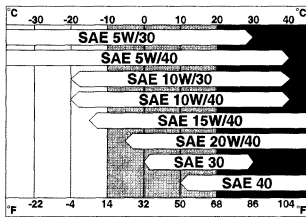
### Group 16 Lubrication

Engine oils, classifications:

Petrol engines	ACEA A2 or A3	API SH, SJ
Petrol engines with turbocharger (TC)	ACEA A3	API SH, SJ

Note! All engines may also use oils with the designation ACEA A2 or A3

The temperature range refers to a constant air temperature.



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### Viscosity

Note! Synthetic or semi-synthetic oils may be used if they meet the above specifications.

Volvo does not recommend the use of oil additives as they can adversely affect the engine service life.

In extreme driving conditions resulting in high oil consumption (when driving in mountains using engine braking a lot or high speed motorway driving for example) use only ACEA A3.

### Oil capacities

litres/US quarts:

Engine type:	Excluding oil filter	Including oil filter	Volume difference max – min, approximately	Volvo P/N:
B 52X4 TX	5.3/5.6	5.8/6.1	1.5/1.6	11 61 466 (4 litres/4.2 qts) 11 61 465 (1 litres/1.06 qts)
B 52XXS, S2	5.3/5.6	5.8/6.1	1.5/1.6	11 61 466 (4 litres/4.2 qts) 11 61 465 (1 litres/1.06 qts)

## Manual gearbox: M56

Gearbox oil, synthetic . . . . . Volvo P/N.	11 61 423 (1 litres/1.06 qts)
Oil change volume: M56 . . . . .	2.1 litres/2.2 qts
Tightening torques for oil plugs . . . . .	35/26 Nm/lbf ft.

Note! Oil including final drive. Use only recommended Volvo oil. Oil change interval: 105 000 km. If the car is used as a taxi or frequently used for towing the interval for changing the oil should be: 45 000 km.

## Automatic gearbox: AW 55-50

Oil grade: AW 55-50: Only recommended special oil may be used Volvo P/N (1 litre/1.06 qt) . . . . .	11 61 540
Oil capacity: AW 55-50 . . . . .	7.5 litres/7.5 qts
Oil change volume (only draining): AW 55-50 . . . . . approximately	3.0 litres/3.17 qts

Note! Oil. Use only recommended Volvo oil. No oil change is required with normal driving. Oil changes should be carried out however, in cars used as taxis or used frequently for towing. Replacement interval: 75 000 km.

## Steering gear

Lubricants:	
Grease . . . . . Volvo P/N.	11 61 001
Quantity . . . . .	100 grammes/ 3.5 oz
Power steering fluid, power steering gear	
Oil type: Entosin, CHF:	
Power steering fluid . . . . . Volvo P/N.	11 61 529
Quantity . . . . .	0.9 litres/0.95 qts