

Section 1 Service and maintenance

Group 17 Service

Oil grade:	Petrol engines:	Diesel engines:
According to API	SJ, SL	CH-4
According to ACEA	A1 Turbocharged engines: A3	B4
According to Global DLD ..	diesel only	DLD-3

Oil grade

Petrol engines: ACEA A1

Oil meeting ACEA A3 specifications can also be used.

Note that the same oil can meet both ACEA A1 and ACEA B1 specifications.

This applies whether the oil is mineral, semi-synthetic or fully synthetic.

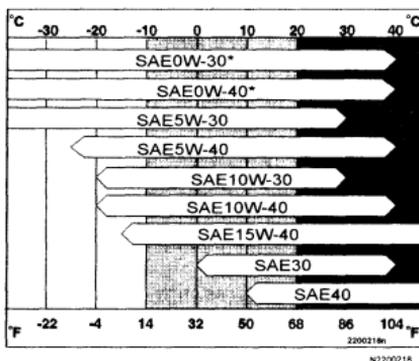
Diesel engines: ACEA B4.

Note that the same oil can meet the specifications for ACEA A3, ACEA B3 and ACEA B4.

This applies whether the oil is mineral, semi-synthetic or fully synthetic.

Do not use oil additives. Additives may damage the engine.

Volvo fully synthetic engine oil is recommended for turbocharged petrol and diesel engines.



Viscosity

(assumes constant air temperature.)

In extreme driving conditions resulting in abnormally high oil consumption, for example when driving in mountains with excessive engine braking or high-speed motorway driving, ACEA A3 grade oil is recommended (petrol engines).

* Oils with a viscosity of 0W-30 and 0W-40 must meet the ACEA A3 requirements (petrol engines).

R-Line, B5254T4

B5254T4 has an active engine oil level warning system which informs the driver if the engine oil level is too low. If there is an alert message for low oil level, add a litre of oil. Then use the dip stick to check that the oil level is within the markings before starting the engine.

Oil volume litres				
Engine type:	Including oil filter	Volume difference max – min, approximately	Volvo P/N:	Viscosity
B52X4 TX Exclusive: B5244 T4	5.5	1.5	11 61 631 Fully synthetic ACEA A3/B3/B4 (4 litres/4.2 qts) 11 61 630 Fully synthetic ACEA A3/B3/B4 (1 litres/1.06 qts)	5W-40
B52XXS,S2	5.5	1.5	11 61 634 Mineral ACEA A1/B1 (4 litres/4.2 qts) 11 61 633 Mineral ACEA A1/B1 (1 litres/1.06 qts)	5W30
D5244 T/T2	5.85	2.0	11 61 709 Fully synthetic ACEA A3/B3/B4 (4 litres/4.2 qts) 11 61 708 Fully synthetic ACEA A3/B3/B4 (1 litres/1.06 qts)	0W-30
D5252 Only V70/S80	6.0	1.5	11 61 631 Fully synthetic ACEA A3/B3/B4 (4 litres/4.2 qts) 11 61 630 Fully synthetic ACEA A3/B3/B4 (1 litres/1.06 qts)	5W-40
B5254T4 "R"	5.5	1.2	11 61 709 Fully synthetic ACEA A3/B3/B4 (4 litres/4.2 qts) 11 61 708 Fully synthetic ACEA A3/B3/B4 (1 litres/1.06 qts)	0W-30

If the oil level is at MIN fill with:
1 litres

V70

Group 17 Service

Manual gearbox: M56, M58 and M66

Gearbox oil, synthetic	Volvo P/N.	11 61 745 (1 litres/1.06 qts)
Oil change volume:		
M56		2.1 litres/2.2 qts
M58		2.1 litres/2.2 qts
M66		2.0 litres/2.1 qts
Tightening torques for oil plugs		35/26 Nm/lbf ft.

Automatic gearbox: AW 55-XX

Oil grade:		
Only recommended special oil may be used		
Volvo P/N (1 litres/1.06 qts)		11 61 540
Oil volume		7.2 litres/7.6 qts
Oil change volume (only draining)	approximately	3.0 litres/3.17 qts

Steering gear

Lubricants:		
Grease	Volvo P/N.	11 61 669
Power steering fluid, power steering gear		
Oil type: Pentosin, CHF:		
Power steering fluid	Volvo P/N.	11 61 529
Quantity	SMI	0.9 litres/0.95 qts
.....	ZF	1.0 litres/1.05 qts

The oil does not normally need to be changed.

Brake and clutch fluid

Grade		DOT 4+
Volume	litres	0.6

Change oil every other year

Washer fluid

Volume	litres	4.5