



Oil level, checking

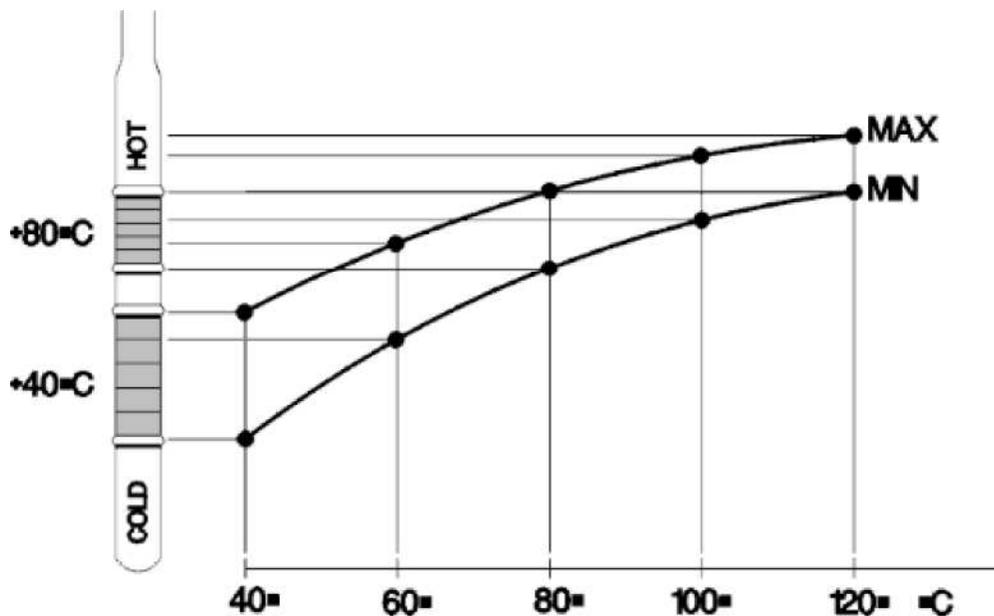
Warning!

Avoid skin contact with the transmission fluid.

Note!

Use only transmission oil, Volvo P/N 116 1540-8 (1liter container), 116 1640-6 (4liter container).

Conditions



The difference between the MAX and MIN volumes is 0.2 litres. Check the oil temperature in the gearbox.

At room temperature (+20 °C) the oil level is close to the MIN mark on the "cold area".

At room temperature (+20 °C) and **low oil level** the oil barely reaches the dipstick.

The "cold range" (+40 °C) is reached after approximately 15 minutes idling in the workshop, while the "hot range" (+80 °C) is reached after approximately 30 minutes highway driving at an air temperature above +15 °C.

Note!

Carry out the check at an oil temperature of +80 °C. Go to car communication function group 4. Select the digital display parameter. Select the parameter for the gearbox oil temperature.

Preparing to check the oil level

Park the car on a level surface.

Apply the handbrake.

Apply the foot brake.

Let the engine idle.

Move the gear selector lever to position P.



Move the gear selector through all positions. Wait in each position for approximately 3 seconds

Move gear selector to position P and wait approximately 2 minutes before checking the oil level. The dipstick must be pushed down **as far as possible** into the dipstick tube.

Caution!

Wipe the dipstick with a nylon cloth or similar. Do not use a cloth which may leave fluff or threads.

Low level (topping up)

Top up with oil through the dipstick pipe

Take account of the temperature when topping up with oil. See [Oil level, checking:Preparing to check the oil level](#).

High level (overfilling)

Warning!

The oil may be very hot if the car has just been driven. Avoid skin contact with transmission fluid.

Warning!

The transmission must not be operated if the oil level is too high. This can cause increased operating temperatures and oil leakage.

Drain off oil

Undo the drain plug.

Allow some of the oil to drain out and reinstall the plug. Tighten to **40 Nm**.

Check the level taking account of the temperature. See [Oil level, checking:Conditions](#), [Oil level, checking:Preparing to check the oil level](#) and [Oil level, checking:Move the gear selector through all positions. Wait in each position for approximately 3 seconds](#).

The oil can also be sucked out through the dipstick pipe using an oil suction syringe with a narrow gauge hose.

Note!

Strict cleanliness is important.

