S83110A   F   E

Changing oil

1   Place the machine in the service position.

2   Put a container (above 26 liter, 6.9 US gal) under the protecting cap (E) at the bottom of the engine oil pan.

3   Remove protecting cap (E) and attach drain hose (F) provided as a service tool with machine.

4   Drain the oil.

5   Disconnect the hose and install the protecting cap.

6   Fill oil through oil filler port (B).

Oil capacity when changing is approx. 25 liters (6.6 US gal) including filters.

For oil grade, See *Recommended lubricants* on page 211.

Take care of waste oil/fluids in an environmentally safe way!

Replacing engine oil filter

Replace the oil filters each time the oil is changed, i.e. **every 500 hours. CH-4 class: every 500 hours, if lower than CG-4 class: every 250 hours.** See *Checking engine oil level* on page 163. **The oil filter is of the disposable type, i e. it cannot be cleaned, but should be replaced as one unit.**

Removing
1 Loosen and open engine oil filter cap (B)
2 Pull a used filter element out of the engine oil filter housing (A)
   - Use a suitable tool for removing oil filter element.

Installing
3 Put a new filter element into the engine oil filter housing (A).
4 Tighten the engine oil filter cap (B) on the engine oil filter housing (A).
   - Tightening torque is written on the engine oil filter cap (B)
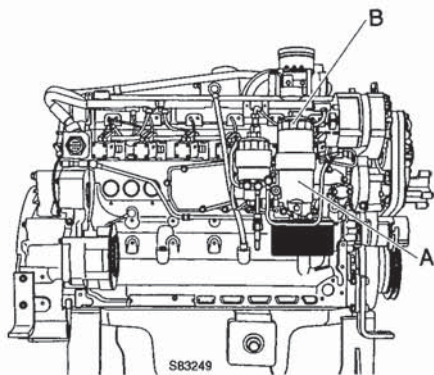
After installing
5 Start up the engine and check that the gaskets are sealed. If it does not, remove the filter and check the sealing surface.

NOTE :
Usually it does not help to further tighten the filter.

IMPORTANT
After replacing oil filters, the engine must run at low idling for at least one minute. It is important that the filters are filled with oil before it is installed. This is to ensure lubrication immediately after starting.

⚠️ **WARNING!**

Take care of waste oil/liquids in an environmentally safe way!

Valve clearance

Valve clearance, adjusting

Check the valve clearance every 1500 hours.

The work should be carried out by an authorized Volvo dealer workshop.