

OIL SAMPLING

Instructions on using the OELCHECK sampling pump



A very easy way to take oil samples is to use the OELCHECK sampling pump. It is optimised for use with the sample bottles from our all-inclusive analysis kits. You can use this vacuum pump and the tube supplied to draw even highly viscous oil directly into the screwed-on OELCHECK sample bottle.

The pump stays clean and can be re-used as often as you like. Only the tube is disposed as oil-polluted waste. A new tube must be used each time a sample is taken.

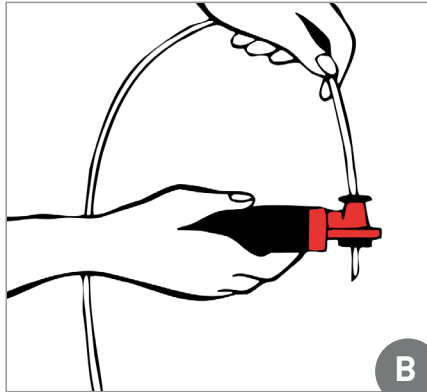
Parts of the OELCHECK sampling pump (Fig. A):

- | | | |
|--------------------------------|--------------------------------|--------------|
| 1. Tube (Ø 6 mm or rather 5mm) | 2. Screw connection | 3. Seal ring |
| 4. Pump thread | 5. Valve ball (Don't lose it!) | 6. Cylinder |

The all-inclusive analysis kit is not included:

- | | |
|---------------------|---------------------------|
| 7. Cap in kit-color | 8. Sample bottle (100 ml) |
|---------------------|---------------------------|

PROCEDURE



- Clean the sampling point to avoid impurities.
- Use the enclosed knife to shorten the length of the tube. Dipstick length plus 20 cm is ideal.

■ Once you have loosened the pump screw connection, push the tube through the opening. Allow the end of the tube to protrude approx. 1 cm beyond the thread. In doing so, no oil can enter the pump and the oil can drop into the bottle unimpeded. **(Fig. B)**

■ Secure the system by tightening the screw connection.

■ Remove the sample bottle from the protective film, screw off the lid and screw the bottle onto the pump thread. **(Fig. C)**

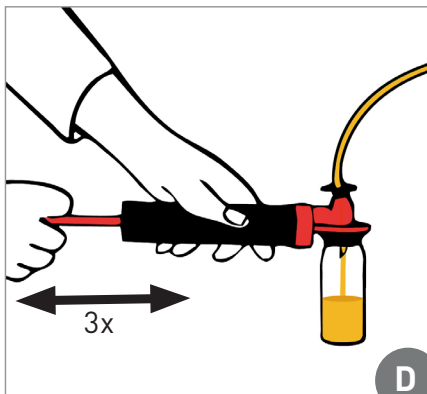
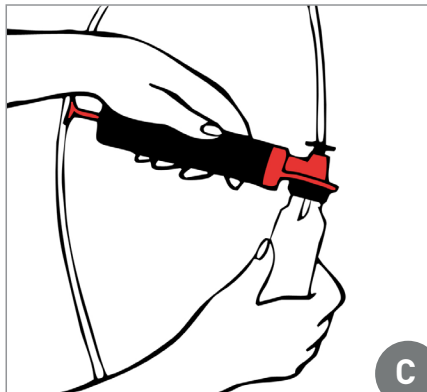
■ Pull the tube straight. Place the tube in the oil. It should not touch the ground. If necessary, fix it with cable ties to a support (e.g. oil dipstick).

■ Pump the oil evenly into the sample bottle using three full strokes of the pump. **(Fig. D)**

■ The vacuum created by three pump strokes should be sufficient to fill the bottle up to the 80 ml mark.

■ Wait! Keep the bottle upright and the pump level.

i If the screw connection is tightened and the sample bottle is screwed on, but no vacuum is created, the small valve ball is likely to be missing. This could happen when the pump was opened during cleaning on a previous occasion. **(Fig. A point 5)**



■ If you have pumped too frequently, eliminate the vacuum by loosening the screw connection as soon as the sample bottle is filled up to the mark – 1 cm below the edge.

■ Remove the tube after draining and wipe it. Dispose the tube and cloth.

■ Unscrew the sample bottle and place it on a horizontal surface.

■ Secure the bottle tightly with the lid.

■ Mark the sample bottle with the laboratory number from the Sample Information Form.