# Technical Bulletin

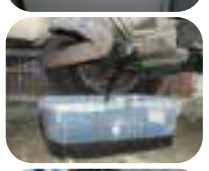
## How to Take the Right Oil Sample?

### Why Is It Important To Take The Right Oil Sample?

Just like blood tests, the analysis of used oils is very important to get information about the condition of the vehicle/equipment and take early action before major failures.
It is very important that oil samples be taken from the right place with the right method to represent the product used in the vehicle/equipment, so that accurate interpretation of the oil and the vehicle/equipment used can be made.

### Matters to Consider for Oil Sampling Process:

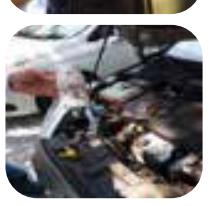
It is recommended to take the oil sample by vacuum pump. Sample containers and labels should be asked from Opet Fuchs Mineral Oils. Thus, it is guaranteed that the sample container to be used will be clean. Each hose and sample container is disposable.



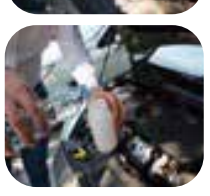
Where vacuum pump is not available or cannot be used, the plug at the bottom of crankcase or oil container will be opened and after some oil is allowed to be discharged, oil sample should be placed to Full-check sample vessel.

The sample should be taken from the active system. If this is not possible, the system should be started for a while and stopped and then, the sample should be taken as soon as possible..

The sample should never be taken from the inside of the oil filter or the container through which oil is discharged .If possible, it should taken after filtration



In a dusty-windy environment, oil sample should not be taken with the sampling vessel/hose that is contaminated with soil and dirt.



Do not rinse with water to clean the sample container.

Do not use containers other than Fullcheck sample container.

### How To Get The Right Oil Sample With Vacuum Pump?

The hose to be placed into the crankcase is cut twice as large as the size of the oil dipstick.

If the system does not have any oil dipstick, the hose is cut in the length corresponding to the centre of the oil chamber.

The hose is passed through the head of the vacuum pump and tightened by tightening the bolt.

The hose should project about 4 cm from the pump's head.

The unused sample vessel is connected to the head of the pump, so that the hose end remains inside the vessel.

The other end of the hose is placed into the crankcase and pumped to create a vacuum.

The pump should be held as shown in the figure.

The sampling container should be completely filled.

When the sample container is full, it is disconnected from the pump and the lid is immediately attached.

Fullcheck sample label is completely filled and glued onto the container..

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