

# SAMPLE TAKING PROCEDURE FOR INSULATING OILS

using the OELCHECK all-inclusive analysis kit

## CONDITION

To guaranty for a correct gas-in-oil analysis the sample should not be contaminated by the ambient air during sample taking or transportation.

Each all-inclusive ISO-analysis kit for insulating oils contains:

- Glas syringe and 3-way valve
- Special box for return shipment
- Sampling tube
- Sample Information Form
- UPS-pick-up-ticket
- Kit ISO 2 – 5 contains additionally
  - 1-liter alu- sample container
  - Shipment box for this bottle

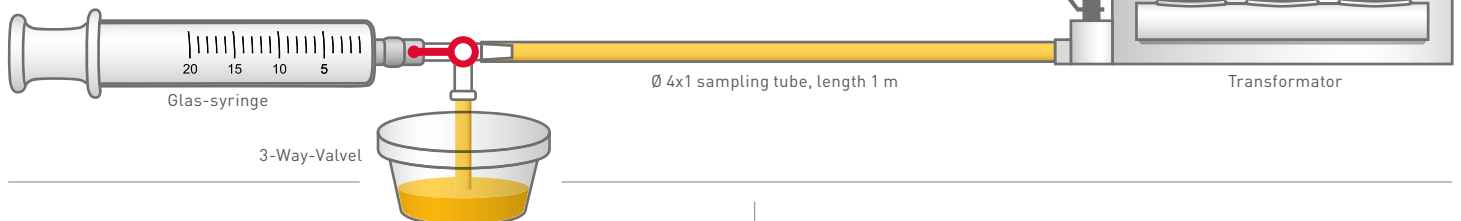
**CAUTION:** Please take your sample

- Shortly after the switch-off
- At normal operating temperature
- Always at the same location using the same procedure

## SAMPLE TAKING OUT OF TRANSFORMER

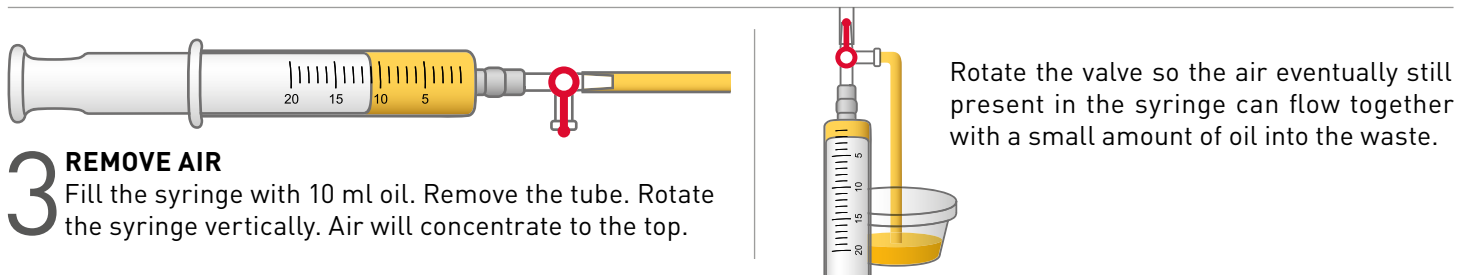
### 1 FLUSH TUBE AND VALVE

Place the 3-way valve in a way that the insulating oil is flowing out of the transformer directly into a container for waste oil.



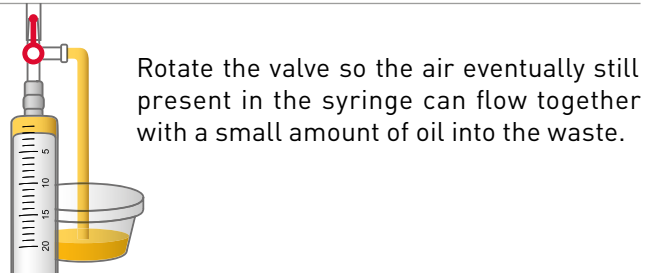
### 2 SYRINGE FLUSHING

Rotate the valve so that the insulating oil is entering the syringe. Fill up to the 20 ml-scale. Empty the syringe into the waste oil container. Repeat the process 2 times.



### 3 REMOVE AIR

Fill the syringe with 10 ml oil. Remove the tube. Rotate the syringe vertically. Air will concentrate to the top.

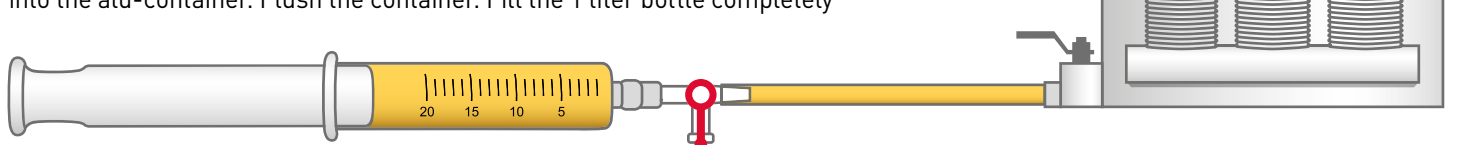


### 4 TAKE THE SAMPLE

Connet the tube to the transformer. Rotate the valve into tube-flushing mode (see 1). Rotate the valve into the syringe filling mode. Fill syringe up to the 20 ml scale.

For samples of Kit ISO 2 – 5:

Keep the sampling tube connected. Open the sampling valve at the transformer. Fill some oil into the alu-container. Flush the container. Fill the 1 liter bottle completely



### 5 SHIPPING

Peel-off the sticky Barcode-Label from the Sample Information Form. Stick it onto the syringe. For kit ISO 2 – 5 peel-off the number from the 2nd form and stick the number ontu the Alu-Bottle.

Complete only one SIF or enter the data for the sample online at [www.lab.report](http://www.lab.report).

Place syringe and eventually the Alu-sample bottle into the provided cartons.

Shipp it by usual procedures or by UPS to OELCHECK.