

SAMPLING FOR OIL QUALITY TEST AND DISSOLVED GAS ANALYSIS

OIL QUALITY TEST – to be noticed at sampling

Make sure the hose from the transformer is clean both on the inside and outside.

Remember to enter the aluminium bottle index number on the questionnaire.

Use protection gloves, preferably made of nitrile rubber.

This document must not be copied without our written permission, and the contents thereof must not be imparted to a third party nor be used for any unauthorized purpose. Contravention will be prosecuted. ABB Power Technology Products AB Transformers



1 Draw off a volume of at least three times the volume of the valve and the hose. Let the oil flow during the whole sampling process. Immerse the hose about 15 cm into the bottle.



2 Hold the hose in the bottle and let three litres of oil flow. While the oil is flowing, slowly take the hose out.



3 Leave about 0,5 cm of airspace.



4 Screw the cap on tightly.



GAS ANALYSIS

Make sure that the syringe piston is clean. If not, wipe it off before it is operated. Always take two samples from the same place. Remember to enter the syringe index number on the questionnaire. Used hoses and T-pieces shall not be returned. Use protection gloves, preferably made of nitrile rubber.



1
Connect the hose, the T-piece and the syringe.



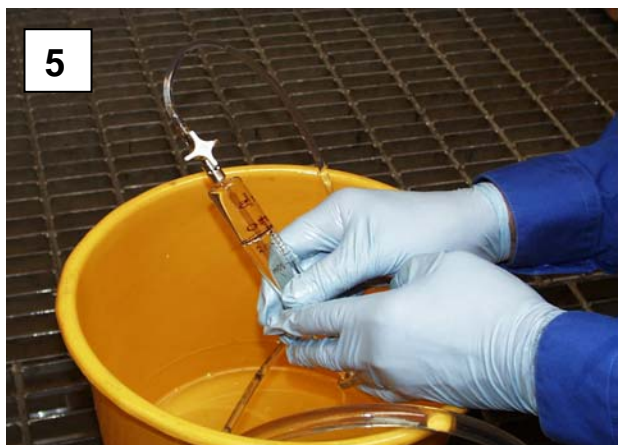
2
Connect the hose from the sampling valve to the T-



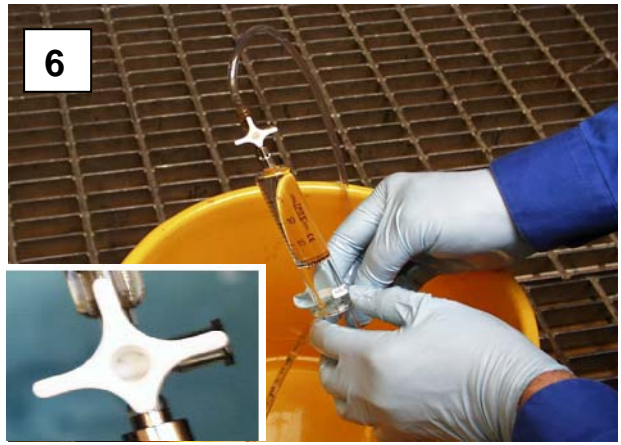
3
Put the hose and T-piece in a bucket. Open the transformer valve. Draw off at least three times the volume of the valve and the hose. Let the oil flow during sam-



4
Turn the handle of the syringe valve as on the picture. Carefully collect about 20 ml of oil in the syringe.



5
Hold the syringe so that the valve is turned upwards. Press the air and the oil out. Remove all air bubbles by turning the syringe to and fro.



6
Carefully collect 20 ml of oil in the syringe. Make sure no air is present in the syringe. Close the valve on the syringe by turning the valve handle as on the picture.