



eos

TRUSTED PURITY

## Laboratory services

Assessment of transformer  
conditions



## Electrical Oil Services can assess the condition of your transformers

The quality of the insulating oil has to be measured on a regular basis in order to ensure operational safety of the oil-filled electrical equipment. In case of deviations from the standardised limit values, the operational safety and lifetime of the transformers inevitably decreases.

With our many years of experience and based on key findings of our laboratory services, we are in the position to offer you a comprehensive assessment of the condition of your insulating transformer oil. These results can be used as a starting point for making well-founded decisions about the maintenance measures to be carried out.

**Electrical Oil Services offers you regular tests in accordance with DIN EN 60422 assessing the electrical, physical and chemical properties of your insulating oil.** You will receive a comprehensible, summarised condition assessment from us upon completion of the examination. Our technical service is at your disposal for further explanations of the individual parameters.

**We offer you the following insulating oil test measures according to DIN EN 60422:**

- ◆ Appearance and determination of the colour number.....DIN ISO 2049
- ◆ Determination of the breakdown voltage ..... DIN EN 60156
- ◆ Determination of water content ..... DIN EN 60814
- ◆ Determination of acidity.....DIN EN 62021-1
- ◆ Determination of dielectric loss factor (tan  $\delta$ ) .....IEC 60247
- ◆ Inhibitor determination and oxidation stability .....DIN 60422
- ◆ Determination of interfacial tension Ring method..... DIN EN IEC 62961

**In addition, we carry out the following analyses for you:**

- ◆ Gas-in-oil analysis..... DIN EN 60567
- ◆ Furfurol analysis..... DIN EN 61198
- ◆ Determination of PCB content ..... DIN EN 12766-1, -2

**Contact us today for an accurate condition assessment of your transformer.**



## About EOS

Electrical Oil Services (EOS) is a key brand of HCS Group GmbH and a leading supplier of both regenerated and unused electrical insulating oils and associated services in Europe. EOS specialists have 60 years' experience in the production and marketing of insulating oils and supply both large and small customers in the electricity supply industry with tailor-made solutions.

## Electrical Oil Services

[www.electricaloilservices.com](http://www.electricaloilservices.com)

Haltermann Carless UK  
Bridges Road, Ellesmere Port  
Cheshire CH65 4EQ  
Great Britain  
+44 (0)845 602 1003  
EOS@h-c-s-group.com

Electrical Oil Services GmbH  
Oehleckerring 6a  
22419 Hamburg  
Germany  
+49 (0) 40 500 910 850  
sales@electricaloilservices.com

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