

# Analysis of insulating oil

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## Condition monitoring services



## Analysis

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- Analysis of gases dissolved in oil (DGA) acc. to DIN EN 60567, IEC 567
- Analysis of Buchholz gases (BGA) acc. to DIN EN 60567, IEC 567
- Insulating oil analysis acc. to VDE 0370
- PCB analysis acc. to DIN 51527
- DBPC analysis acc. to DIN VDE 0441 T.3
- Furan analysis acc. to DIN EN 61198
- Identification of corrosive sulphur acc. to DIN 51353
- Identification of chlorine/sulphur acc. to DIN ISO 10304-1
- Water content acc. to IEC 814

## Service

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- Sampling, also in the case of faults
- Complete evaluation of the gas balance under normal operating conditions and under fault conditions
- Consulting services and training schemes with regard to optimum transformer monitoring

# Correction methods

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## Condition monitoring services

### Gas correction for open type transformers

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- Determination of the Transformer Openness Number (TON) from TGM data or EGS data (RSP-10)
- Competent valuation in case of missing TON for suspect transformers
- Delivery of graphics for the determination of the Oxygen Consumption Rate (OCR) as well as of the Gas Emission Rate (GER) for H<sub>2</sub> and CO
- Delivery of the FGT software for visualisation of the type of fault

### Buchholz gas correction

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- Carrying out of the Buchholz gas correction on basis of analyses of Buchholz gases, which sampling is technical coupled with the signalisation of Buchholz relay
- Delivery of the FGT software for visualisation of the type of fault