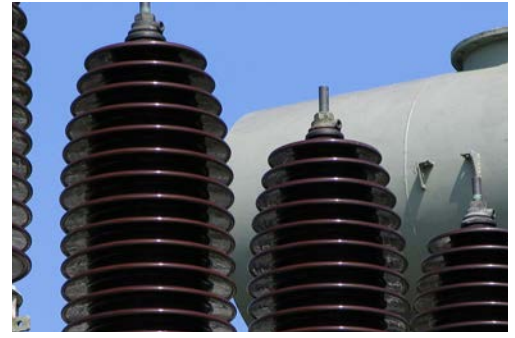


Bureau Veritas
Oil & Petrochemicals

Transformer Oil Analysis





Transformer Oil Analysis

Transformers can self-destruct if neglected over time and failure to conduct regular transformer oil testing can allow problems to go undetected. Transformer and insulating oils are subject to electrical and mechanical stresses while a transformer is in operation. As a result, the original chemical properties of transformer oil change gradually, often rendering it ineffective for its intended use after some time. Regular monitoring of the oil enables potential problems with both the transformer and the oil to be diagnosed.

Bureau Veritas provides transformer oil analysis to power generating companies enabling them to monitor the health of their transformers. In order to assist our clients to take early remedial action before possibly dangerous and costly unit failure occurs, our laboratories are able to offer the following transformer oil analysis to determine: functional parameters, stability characteristics, insulation performance and health, safety and environmental concerns.

Key Features	Customer Benefits
Minor outlays for major cost savings	Transformer Oil Analysis incurs a small cost when compared with the cost of even a single transformer failure
No interruption to the production process	The required oil samples can be taken from your transformer while it is in full operation
150 years of technical excellence in the Oil & Petrochemicals market	Your product expert for transformer oils
Precise, dependable and prompt reporting	Accurate results, the first time, every time
Independent and impartial testing results	Quality assurance executed to the highest standards



Testing & Analysis

Determining the purity of recovered, recycled and reclaimed refrigerants is vital. We can help identify contaminant and wear before they lead to a host of problems including high head pressures, acid formation, capillary restrictions, and oil migration and bearing failure.

Alternative refrigerants can be incompatible with old system components and used refrigerants are more likely to be contaminated. These contaminants can be incompatible with compressor metals, gaskets, seals or other system components, thus reducing the overall energy efficiency of the unit, and increasing the risk of system damage.

The quality of the analysis is as good as the sample drawn. We offer a complete portfolio of services for used transformer oil clients including sampling kits and on-site services, analytical testing, data analysis & reporting, and advisory and consulting services.

Key Capabilities

Aniline Point

Gassing Tendency

Copper Corrosion

Hydrocarbon Type

Corrosive Sulphur

Interfacial Tension

Denaturation

Metal passivator

Dielectric Breakdown Voltage (DBV)

Oxidation Inhibitor

Dissolved Gas Analysis (DGA)

Oxidation Stability

Dissolved Gases

Passivator

Dissipation Factor

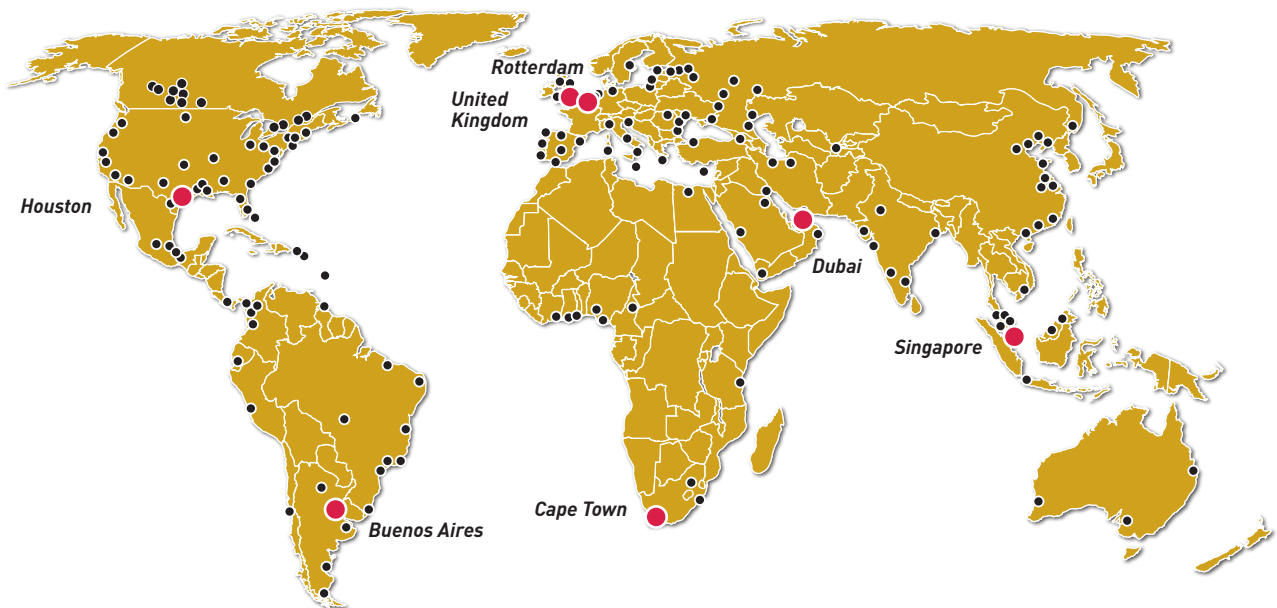
Power / Dissipation Factor

ECT

Resistivity

BUREAU VERITAS

Oil & Petrochemicals Global Network



- Regional Centres
- Oil & Petrochemical Locations

Contact our Global Sales Team using the numbers below:

United States	Tel: +1 800 248 7778	UAE	Tel: +971 4 899 8100
United Kingdom	Tel: +44 1376 536 800	Australia	Tel: +61 8 8416 5237
Benelux	Tel: +31 10 472 04 22	South Africa	Tel: +27 21 425 1800
Singapore	Tel: +65 6866 3019		



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