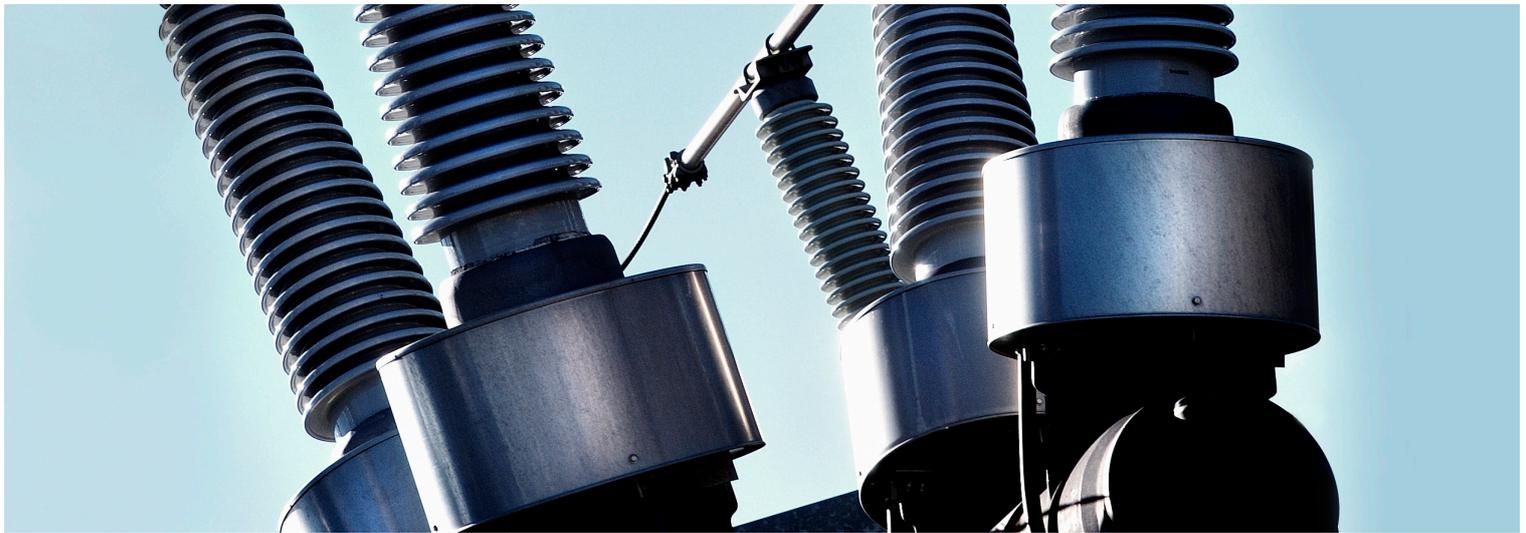


BUREAU VERITAS

Oil & Petrochemicals



Transformer Oil Analysis

Expert Analytical Services for
Power Generation Companies



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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 provide transformer oil analysis to determine: functional parameters, stability characteristics, insulation performance and health, safety and environmental concerns.

Key Features

Minor outlays for major cost savings

No interruption to the production process

150 years of technical excellence in the Oil & Petrochemicals market

Precise, dependable and prompt reporting

Independent and impartial testing results

Customer Benefits

Transformer Oil Analysis incurs a small cost when compared with the cost of even a single transformer failure

The required oil samples can be taken from your transformer while it is in full operation

Your product expert for transformer oils

Accurate results, the first time, every time

Quality assurance executed to the highest standards, trusted by all parties



Testing & Analysis

Transformer oils require a specific range of testing to determine the electrical insulation properties of the fluid. The early identification of a potentially dangerous transformer status will reduce the risk of costly transformer failure.

Bureau Veritas' developed expertise on the transformer specific operating challenges is helping our clients with the independent assessment of transformer oil quality for new and used oils. Combining information on the chemical composition of the fluid and the insulating properties can provide a lot of insight into the condition of the oil and the potential risks on operations. The accurate timing of the replacement or regeneration of the oil can overcome maintenance costs and assure the maximum utilisation of the plant.

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

Key Capabilities

Acid Number / Neutralization Value

Hydrocarbon Type

Aniline Point

Interfacial Tension

Copper Corrosion

Metal Passivator

Corrosive Sulphur

Moisture Content

Dibenzyl Disulphide (DBDS)

Oxidation Inhibitor

Dielectric Breakdown Voltage (DBV)

Oxidation Stability

Dissolved Gas Analysis (DGA)

Polychlorinated Biphenyls (PCB)

Electrostatic Charging Tendency (ECT)

Polycyclic Aromatics (PCA)

Furanic Compounds / Furans

Power / Dissipation Factor

BUREAU VERITAS

Oil & Petrochemicals Global Network



- Regional Centres
- Oil & Petrochemical Locations

Contact our Global Sales Team using the numbers below:

United States	Tel: +1 281 848 5829	UAE	Tel: +971 4 899 8100
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Singapore	Tel: +65 6866 3019		



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