



Various Transformer Oil Tests

(Comprehensive lab analysis with Recommendations)

- **Acid:**
Determines when service aged oil should be reclaimed
- **Dielectric Strength**
Measures the oil's insulating strength
- **Moisture**
Check the moisture content of your insulating oil
- **DGA**
Abnormal electric & thermal stresses on apparatus are invariably accompanied by degradation of insulating materials.
- **PCB**
Are good dielectric liquids for transformers, as well as good heat transfer agents – Unfortunately because of their good stability and Degradability they tend to accumulate, and are therefore considered environmental hazard.
- **Furans**
Early detection of paper insulation breakdown can prevent major damage or outright failure.
- **Corrosive Sulphur**
Corrosiveness of Transformer insulating oil.

SPECIALISED TEST

(No Diagnosis, Only report with values on)

- **Calcium Hydride** (Emulsified Oils/Diesel)
- **Karl Fischer** (Oils/Diesel)
- **Spectrometric Analysis – ICP** (Transformers)
- **Bacterial & Fungal Test** (Diesel Only)
- **Viscosity @ 100°C** (Engine/Compressor Oils)
- **Total Base Number (TBN) Test** (Engine Oil)
- **Particle Count** (New Oils/Clean Oils)
- **Total Acid Number (TAN) Test** (Oils/Diesel)
- **Flashpoint** (Oils/Diesel)
- **Sulphur (ICP)** (Oils/Diesel)
- **Corrosive Sulphur** (Transformer Oils/Diesel/Grease)
- **Density** (Oils/Diesel)