



Transformer Fluid Testing

Laboratory Services

Whether you decide to use our Standard or Advantage package, individual tests for PCB, Corrosive Sulphur, Silicon or Furans or any combination of testing, ALS will provide reliable results in a short lead time so you have the least potential for downtime and can be confident of making decision you can rely on.

Sampling Frequency

General and physical tests are suggested twice a year, dissolved gas analysis once a year, and Furan testing every 2 years for transformers in operation at least 5 years.

Dissolved Gas Analysis

Sampling for Dissolved Gas Analysis (DGA) requires a special sampling syringe, which ALS can help provide. Care should be taken when sampling transformer fluid and should be performed by a trained operator.

Locations

Burlington

5036 South Service Road
Burlington, Ontario L7L 5Y7
905-332-9559

Cleveland

6180 Halle Drive, Suite D Cleveland,
OH 44125
(216) 674-4546

Sydney

2/171-175 Newton Road Wetherill
Park NSW 2164
+61 2 8786 3150

Testing Capabilities

Applicable Test	Method
Dissolved Gases	ASTM D3612 C
Color	ASTM D1500
Dielectric Breakdown (Dielectric Strength)	ASTM D877 (for oil circuit breakers) ASTM D1816 IEC 60156
Visual Inspection	ASTM D1524
Water Content	ASTM D1533
Acid Number (Neutralization Number)	ASTM D974 ASTM D664
Interfacial Tension	ASTM D971
Specific Gravity @ 60/60F, 15/15C	ASTM D1298 D4052
Power Factor (Dissipation Factor)	ASTM D924
Dielectric Constant (Relative Permittivity)	ASTM D924
Furans (Furanic Compounds)	ASTM D5837
Inhibitor Content	ASTM D2668
Dissolved Metals	ASTM D5185
Polychlorinated Biphenyl Content (PCB's)	ASTM D4059
Specific Resistance (Resistivity)	ASTM D1169
Standard	ASTM D117 ASTM D3487 IEEE C57.106 IEEE C57.104 IEC 60422 AS 60422