



## Transformer Diagnostics and PCB Testing

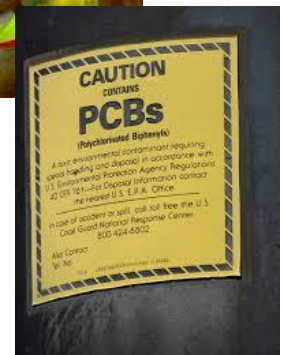
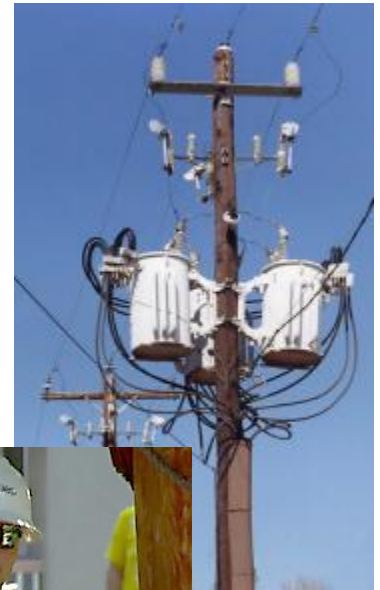
Power transformers are a critical component in energy distribution and transmission. Maintaining them is vital for reliable, fault-free operation. Any failures can have serious consequences. The resulting overloads of grid sectors can lead to far-reaching supply failures, as well as personal injury and property damage.

Preventive replacement after a certain number of operating years is costly, and unnecessary where good maintenance systems are employed. These systems include condition- or time-based asset monitoring. Diagnostic testing is a cost-effective tool, especially if problems are suspected or the transformers are positioned at strategically important locations (such as in a power plant).

In conjunction with utility clients from across the country, Meridian Labs has developed a wide range of testing for power transformers that are in line with ASTM and IEEE practices.

### Our test list includes:

- Acid Number, **ASTM D9074**
- Color & VIS, **ASTM D1500, D1524**
- Corrosive Sulfur, **ASTM D1275**
- Dielectric Breakdown, **ASTM D877**
- Dissolved Gas Analysis, **ASTM D3612**
- Interfacial Tension, **ASTM D9714**
- Fault Metals, **ASTM D7151**
- Moisture Content, **ASTM D1533**
- Oxidation Inhibitor, **ASTM D2668**
- PCBs in Oil, **ASTM D4059**
- PCBs in Solids, Surface Wipes, **EPA 3550, 8082**
- Pour Point, **ASTM D97**
- Power Factor, **ASTM D924**
- Specific Gravity, **ASTM D1298**
- Viscosity, **ASTM D445**



Wichita Facility  
 2626 South Rock Rd., Suite 124  
 Wichita, Kansas 67210  
 316-618-8787

Mound Valley Corporate Office  
 111 East 5<sup>th</sup> Street  
 Mound Valley, Kansas 67354  
 620-328-3222