



AVO Diagnostic Services  
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 www.avodiagnosics.com

|                  |  |
|------------------|--|
| For Lab Use Only |  |
|------------------|--|

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_ Fax: \_\_\_\_\_  
 P.O.#: \_\_\_\_\_ Project ID: \_\_\_\_\_  
 Special Requests: \_\_\_\_\_

|  |                            |
|--|----------------------------|
| <input checked="" type="radio"/> Routine | <input type="radio"/> Rush |
| Date Needed: _____                       |                            |
| Date Sampled: _____                      |                            |
| Sampled By: _____                        |                            |
| Syringe #: _____                         |                            |
| Bottle #: _____                          |                            |

|           |   |
|-----------|---|
| EQUIPMENT | <input type="radio"/> Transformer <input type="radio"/> Conservator <input type="radio"/> Main(Bottom) <input type="radio"/> Top <input type="radio"/> Container <input type="radio"/> Drum <input type="radio"/> Tanker <input type="radio"/> Network <input type="radio"/> Switch <input type="radio"/> Box <input type="radio"/> Transformer<br><input type="radio"/> OCB <input type="checkbox"/> <input type="radio"/> Bushing <input type="radio"/> Potential Transformer<br><input type="radio"/> LTC <input type="radio"/> Selector <input type="radio"/> Common <input type="radio"/> Transfer <input type="radio"/> Regulator <input type="radio"/> Wind Power Transformer <input type="radio"/> Grd Std<br><input type="radio"/> Line End <input type="radio"/> Neutral End <input type="radio"/> Recloser <input type="radio"/> InterTie <input type="radio"/> Grd ZigZag <input type="radio"/> StepUp<br>LTC Model: _____<br><input type="radio"/> Recloser <input type="radio"/> Transformer / Rectifier for Electrostatic Precipitator<br><input type="radio"/> Cable <input type="radio"/> Rectifier -- Other<br><input type="radio"/> Solar Collector T <input type="radio"/> Conservator <input type="radio"/> Main(Bottom) <input type="radio"/> Top <input type="radio"/> Solar Inverter T <input type="radio"/> Solar Ground T <input type="radio"/> Main(Bottom) <input type="radio"/> Top<br><input type="radio"/> Other _____ |
|           | # of Operations (LTC and OCB only) _____  |
|           | Equipment Location: _____ Serial No.: _____ Equipment ID: _____   |

|        |   |
|--------|---|
| SAMPLE | <input type="radio"/> Mineral Oil <input type="radio"/> Silicone <input type="radio"/> Cable Oil <input type="radio"/> Askarel <input type="radio"/> Natural Ester   Type (i.e. BioTemp, Envirotemp FR3, Midel eN 1204, Midel eN 1215) _____<br><input type="radio"/> Synthetic Ester <input type="checkbox"/> Envirotemp®200 <input type="checkbox"/> MIDEL 7131 <input type="checkbox"/> Other _____ <input type="radio"/> LFH <input type="checkbox"/> R-Temp® <input type="checkbox"/> Other _____<br><input type="radio"/> Perchloroethylene <input type="checkbox"/> WECOSOL <input type="checkbox"/> Transclean <input type="checkbox"/> Other _____ <input type="radio"/> Other _____ |
|--------|---|

**BREATHING**    Sealed    Conservator    Free Breathing / Vented    Unknown

**STATE**    In Service    New Oil (Bulk Only)    Processed    Reclaimed    New Equipment

|              |  |         |  |                         |  |
|--------------|--|---------|--|-------------------------|--|
| Manufacturer |  | KVA     |  | Impedance               |  |
| Year         |  | Bank    |  | Phase                   |  |
| Volume       |  | kV Low  |  | Sample Temp.(°C)        |  |
|              | <input type="radio"/> US Gallons <input type="radio"/> Imp. Gallons <input type="radio"/> Liters | kV High |  | Known PCB Content (ppm) |  |

**Equipment Fluid Quality**

|   |  |   |
|---|--|---|
| <p><b>Transformer Fluid Analysis Test Packages</b></p> <input type="checkbox"/> Basic (ASTM D3612C, D1533, D971, D974, D1500/D1524, D1816, & D4052) Oil, Ester<br><input type="checkbox"/> Enhanced ("Basic" Plus ASTM D924 @ 25°C & D2668) Mineral Oil Only<br><input type="checkbox"/> Comprehensive ("Enhanced" Plus ASTM D6786 & D5837) Mineral Oil Only.<br><input type="checkbox"/> Silicone (ASTM D3612C, D1533, D974, D2129/D1524, D21816, & D4052)<br><input type="checkbox"/> Ester Enhanced ("Basic" Plus ASTM D924@25°C)<br><input type="checkbox"/> Ester Comprehensive ("Ester Enhanced" Plus (ASTM D6786 & D5837))<br><br><i>For non-transformer diagnostic evaluation packages please visit us at <a href="http://www.avodiagnosics.com">www.avodiagnosics.com</a> to access the sample data sheet for your specific need and location.</i> | <p><b>Analysis Listed Individually</b></p> <input type="checkbox"/> Dissolved Gas Analysis (ASTM D3612C)<br><input type="checkbox"/> Resistivity (ASTM D1169) <input type="checkbox"/> 100°C <input type="checkbox"/> 25°C<br><input type="checkbox"/> Color # / Visual (ASTM D1500/D1524) (oil, esters)<br><input type="checkbox"/> Color # / Visual (ASTM D2129/D1524) (Silicone, Askarel, and Perc Only)<br><input type="checkbox"/> Specific Gravity <input type="checkbox"/> ASTM D4052 <input type="checkbox"/> ASTM D1298<br><input type="checkbox"/> Moisture in Oil (ASTM D1533)<br><input type="checkbox"/> Dielectric Breakdown (ASTM D1816) <input type="checkbox"/> 1mm <input type="checkbox"/> 2mm<br><input type="checkbox"/> Dielectric Breakdown (ASTM D877)<br><input type="checkbox"/> Power Factor (ASTM D924) <input type="checkbox"/> 25°C <input type="checkbox"/> 100°C <input type="checkbox"/> Other _____<br><input type="checkbox"/> Interfacial Tension (ASTM D971)<br><input type="checkbox"/> Acid Number (ASTM D974)<br><input type="checkbox"/> Corrosive Sulfur <input type="checkbox"/> ASTM D1275(copper) <input type="checkbox"/> ASTM D1275(silver) <input type="checkbox"/> IEC62535 (CCD)<br><input type="checkbox"/> Other _____ | <input type="checkbox"/> Furan Analysis (ASTM D5837)<br><input type="checkbox"/> Methanol / Ethanol (ASTM D806 )<br><br><input type="checkbox"/> Oxidation Inhibitor (ASTM D2668)<br><input type="checkbox"/> PCB (EPA 8082a /ASTM D4059)<br><input type="checkbox"/> Viscosity (ASTM D445) <input type="checkbox"/> 40°C <input type="checkbox"/> _____<br><input type="checkbox"/> Fire Point (ASTM D92)<br><input type="checkbox"/> Flash Point (ASTM D92)<br><input type="checkbox"/> Microscopic Evaluation (AVO Diagnostics)<br><input type="checkbox"/> Particle Count (ASTM D6786)<br><input type="checkbox"/> Passivator (IEC 60666)<br><input type="checkbox"/> Pour Point (ASTM D97)<br><input type="checkbox"/> Refractive Index (ASTM D1807)<br><input type="checkbox"/> Sediment & Soluble Sludge (ASTM D1698)<br><input type="checkbox"/> Metals-Fault (ASTM D7151) <input type="checkbox"/> All (or pick below)<br><input type="checkbox"/> Ag <input type="checkbox"/> Al <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Pb <input type="checkbox"/> Si <input type="checkbox"/> Sn <input type="checkbox"/> Zn<br><input type="checkbox"/> Metals-Wear (ASTM D7151) (18 Metal Package)<br><input type="checkbox"/> DBDS (IEC 62697) |
|---|--|---|

Notes : \_\_\_\_\_

**Solid Insulation**

 Degree of Polymerization (IEC 60450)    Moisture in Cellulose (IEC 60814)