AVO Diagnostic Services
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www.avodiagnostics.com

For Lab Use Only	

Company Name: _____

Address: _____

Contact: _____ Phone: _____

Email: _____ Fax: _____

P.O.#: _____ Project ID: _____

Special Requests: _____

(●) Routine ( ) Rush

Date Needed:

Date Sampled:	
Sampled By:	
Syringe #:	
Bottle #:	

EQUIPMENT

( ) Transformer ( ) Conservator ( ) Main(Bottom) ( ) Top
( ) OCB [ ]
( ) LTC ( ) Selector ( ) Common ( ) Transfer
( ) Line End ( ) Neutral End
LTC Model:
# of Operations (LTC and OCB only)

( ) Container ( ) Drum ( ) Tanker
( ) Bushing
( ) Regulator
( ) Recloser
( ) Recloser
( ) Cable

( ) Network ( ) Switch ( ) Box ( ) Transformer
( ) Potential Transformer
( ) Wind Power Transformer ( ) Grd Std
( ) InterTie ( ) Grd ZigZag ( ) StepUp
( ) Transformer / Rectifier for Electrostatic Precipitator
( ) Rectifier -- Other

( ) Solar Collector T ( ) Conservator ( ) Main(Bottom) ( ) Top
( ) Solar Inverter T
( ) Solar Ground T ( ) Main(Bottom) ( ) Top
( ) Other _____

Equipment Location: _____ **Serial No.:** _____ **Equipment ID:** _____

SAMPLE

( ) Mineral Oil ( ) Silicone ( ) Cable Oil ( ) Askarel ( ) Natural Ester Type (i.e. BioTemp, Envirotemp FR3, Midel eN 1204, Midel eN 1215) _____
( ) Synthetic Ester [ ] Envirotemp®200 [ ] MIDEL 7131 [ ] Other _____ ( ) LFH [ ] R-Temp® [ ] Other _____
( ) Perchloroethylene [ ] WECOSOL [ ] Transclean [ ] Other _____ ( ) 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)	
	( ) US Gallons ( ) Imp. Gallons ( ) Liters	kV High		Known PCB Content (ppm)	

Equipment Fluid Quality

Transformer Fluid Analysis Test Packages

[ ] Basic(ASTM D3612C, D1533, D971, D974, D1500/D1524, D1816, & D4052) Oil, Ester
[ ] Enhanced ("Basic" Plus ASTD924 @ 25°C & D2668) Mineral Oil Only
[ ] Comprehensive ("Enhanced" Plus ASTM D6786 & D5837) Mineral Oil Only.
[ ] Silicone (ASTM D3612C, D1533, D974, D2129/D1524, D21816, & D4052)
[ ] Ester Enhanced (ASTM D3612C, D1533, D971, D974, D1500/D1524, D1816, & ASTM D924@25°C)
[ ] Ester Comprehensive("Ester Enhanced" Plus (ASTM AD6786 & D5837)

For non-transformer diagnostic evaluation packages please visit us at www.avodiagnostics.com to access the sample data sheet for your specific need and location.

Analysis Listed Individually

[ ] Dissolved Gas Analysis (ASTM D3612C)
[ ] Resistivity (ASTM D1169) [ ] 100°C [ ] 25°C
[ ] Color # / Visual (ASTM D1500/D1524) (oil, esters)
[ ] Color # / Visual (ASTM D2129/D1524) (Silicone, Askarel, and Perc Only)
[ ] Specific Gravity
[ ] ASTM D4052 [ ] ASTM D1298
[ ] Moisture in Oil (ASTM D1533)
[ ] Dielectric Breakdown (ASTM D1816)
[ ] 1mm [ ] 2mm
[ ] Dielectric Breakdown (ASTM D877)
[ ] Power Factor (ASTM D924)
[ ] 25°C [ ] 100°C [ ] Other _____
[ ] Interfacial Tension (ASTM D971)
[ ] Acid Number (ASTM D974)
[ ] Corrosive Sulfur
[ ] ASTM D1275(copper) [ ] ASTM D1275(silver)
[ ] IEC62535 (CCD)

[ ] Furan Analysis (ASTM D5837)
[ ] Methanol / Ethanol (ASTM D806)
[ ] Oxidation Inhibitor (ASTM D2668)
[ ] PCB (EPA 8082a /ASTM D4059)
[ ] Viscosity (ASTM D445)
[ ] 40°C [ ] Other _____
[ ] Fire Point (ASTM D92)
[ ] Flash Point (ASTM D92)
[ ] Microscopic Evaluation (AVO Diagnostics))
[ ] Particle Count (ASTM D6786)
[ ] Passivator (IEC 60666)
[ ] Pour Point (ASTM D97)
[ ] Refractive Index (ASTM D1807)
[ ] Sediment & Soluble Sludge (ASTM D1698)
[ ] Metals-Fault (ASTM D7151) [ ] All (or pick below)
[ ] Ag [ ] Al [ ] Cu [ ] Fe [ ] Pb [ ] Si [ ] Sn [ ] Zn
[ ] Metals-Wear (ASTM D7151) (18 Metal Package)
[ ] DBDS (IEC 62697)

Notes: :

[ ] Other _____

Solid Insulation

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