



<b>RETURN COMPLETED TO:</b> <b>MAHANGA HOLDINGS LTD</b> <b>24b WILLIAM PICKERING DRIVE</b> <b>ALBANY</b> <b>(P O BOX 40221 GLENFIELD)</b> <b>AUCKLAND</b> <b>PH 09 444 0663</b>	<b>SEND REPORT TO:</b> Company: _____ Name: _____ Email: _____
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Please complete all steps of table below.

**Instructions:** One liter of oil is required to complete all the above tests. Depending on tank volume and oil condition, flush at least one liter (max: four liters) of oil through the drain valve prior to collecting samples. PLEASE REMEMBER TO MARK 'TCA SAMPLE' ON SAMPLE CONTAINERS. THANK YOU.

P.O # (If applicable) \_\_\_\_\_ Job # \_\_\_\_\_ Sampled By: \_\_\_\_\_

Sample Date				
Syringe #	(From Box)			
Sample Location	(Substation/PH/PP)			
Transformer ID/Number				
Serial Number	(Nameplate)			
Manufacturer	(Nameplate)			
Date of Manufacture	(Nameplate)			
Where Manufactured	(Nameplate)			
kVA Rating	(Nameplate)			
Primary kV	(Nameplate)			
Secondary kV	(Nameplate)			
Tertiary kV	(Nameplate)			
Fluid Volume	(Nameplate)			
Fluid Preservation	(Free/Sealed/Conser vator)			
Cooling	(Nameplate)			
Core & Coil Weight	(Nameplate)			
Oil Filtered/Unit Serviced	(Yes/No)			
Transformer Temperature				
Sample Temperature				
PCB Level (if known)				

**TRANSFORMER CONDITION ASSESSMENT (TCA) PACKAGE TESTS:**

Tests Required for Diagnostics	Reason for Test
<ul style="list-style-type: none"> <li>• Dissolved Gas Analysis (ASTM D3612)</li> <li>• Dielectric Breakdown (IEC60156)</li> <li>• Interfacial Tension (ASTM D971)</li> <li>• Particle Count</li> <li>• Furan Analysis (ASTM D5837)</li> <li>• Moisture in Oil (ASTM D1533)</li> <li>• Acid Number (ASTM D974)</li> <li>• Colour (ASTM D1500)</li> <li>• Dielectric Dissipation Factor at 25degC (IEC 60247)</li> <li>• Oxidation Inhibitor (ASTM D2668)</li> </ul>	<input type="checkbox"/> Routine Test <input type="checkbox"/> Retest <input type="checkbox"/> This is a return to Service Test <input type="checkbox"/> URGENT
	<b>ADDITIONAL TESTS</b> <input type="checkbox"/> Dielectric Dissipation Factor at 90degC (IEC 60247) <input type="checkbox"/> Resistivity (IEC 60247) <input type="checkbox"/> PCB Content <input type="checkbox"/> Others: please specify <input type="checkbox"/> Corrosive Sulphur (IEC 65235)