



**BOA™  
BREAKER OIL ANALYSIS  
OIL CIRCUIT BREAKER  
SAMPLE DATA**

ANALYTICAL SERVICES  
INCORPORATED

ACN 0968 16081

<p><b>RETURN COMPLETED TO:</b></p> <p><b>MAHANGA HOLDINGS LTD</b>  <b>24b WILLIAM PICKERING DRIVE</b>  <b>ALBANY</b>  <b>(PO BOX 40221 GLENFIELD)</b>  <b>AUCKLAND</b>  <b>PH 09 444 0663</b>  <b>FAX 09 444 1526</b></p>	<p><b>CUSTOMER DETAILS</b></p> <p><b>COMPANY</b> _____</p> <p><b>ADDRESS</b> _____</p> <p>_____</p> <p>_____</p> <p><b>ATTENTION</b> _____</p> <p><b>JOB REF</b> _____</p>
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P.O # (If applicable) \_\_\_\_\_ Sampled By: \_\_\_\_\_  
 Syringe Number \_\_\_\_\_

Sample Location (Substation/PHPP)	<b>Notes:</b>		
Sample Date			
Equipment / Company Number			
Serial Number (Nameplate)			
Manufacturer (Nameplate)			
Date of Manufacture (Nameplate)			
Model Number / Type (Nameplate)			
Voltage Rating (Nameplate)			
Fluid Volume (Nameplate)			
Pole (Tank) <input type="checkbox"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	Tank No. 1	Tank No. 2	Tank No. 3
Phase	OA OB OC	OA OB OC	OA OB OC
Interrupting Rating (KA) (KVA) (MVA)			
Amp Rating (Nameplate)			
Present Counter Reading			
Oil Temperature			
Number of switching operations since last internal inspection			
Number of fault operations since last internal inspection			
Present Accumulated Fault Count (ACC)	%		
Date of last internal inspection			
Date oil was last filtered			
Date oil was last replaced			

All Tests below are Required for BOA  
 Diagnostics Dissolved Gas Analysis(IEC-599)  
 Particle Counts Moisture in Oil (IEC-814)  
 Dielectric Breakdown (ASTMD-1816)  
 Interfacial Tension (ISO-6295)  
 Acid Number (IEC-296)  
 Color (ISO-2049)

**Instruction Notes:** The BOA diagnostic requires a one litre oil quality sample and a DGA sample be taken. OCBs containing more than 1400 litres of oil require four litres of oil to be flushed through the fill/drain valve prior to collecting samples. OCBs containing less than 1400 litres of oil require one litre of oil to be flushed through the fill/drain valve prior to collecting samples.

**PLEASE REMEMBER TO MARK 'BOA SAMPLE' ON SAMPLE CONTAINERS. THANK YOU.**

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 Albany, Auckland  
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**Reason for Test**

Routine Test  
 Retest  
 This is a return to Service Test