

**Date of Receipt:** 24 June 2009  
**Customer:** Sims, Corus Corby

**Date of Report:** 26 June 2009  
**Laboratory Reference:** UTO 6143

Sequential Results Serial Number Unit	UTO 6143/09 64824 Transformer	<b>BS 5730:2001 Maintenance of Insulating Oil Requirements</b>
Rating Voltage Volume	1000 kVA 11/0.433 kV 220 Gallons	
Sample Point Sample Date Temperature (°C)	Drain Valve 22/06/2009 16	
Acidity (mg KOH/g) Electric Strength (kV) (2.5mm gap) Water Content (mg/Kg) Colour Appearance Odour Sediment Fibres	0.04 65 8 Yellow Clear Satisfactory Clear Verv Faint Trace	<b>0.50 max 30 min 30 max Not Dark Clear Not Acrid None -</b>
Resistivity (giga ohm.m @ 20°C) Dissipation Factor Furans (mg/Kg) Estimated D.P. Total PCB's (mg/Kg) Interfacial Tension (mN/m) Corrosive Sulphur		<b>60 min 1.0 max (@90°C) 0.1 max Per Annum 300 min E.C. 50 max 18 min IEC62535</b>
Hydrogen (µl/l) Methane (µl/l) Ethylene (µl/l) Ethane (µl/l) Acetylene (µl/l) Carbon Monoxide (µl/l) Carbon Dioxide (µl/l) Oxygen (%) Nitrogen (%) Total Gas (%)		
Rodgers Ratio Oxides	0 0 0	



**Transformer Unit**      **Hydrocarbon Gases:**

**Oxides of Carbon Gases:**

**Insulating Medium:**      acidity, electric strength, water content, colour, appearance, odour and sediment, meet the requirements for the standard, Category 'C'.

**Recommendations:**      sample represents insulating oil in satisfactory condition for continued service.

**Date of Next Sample:**      22/06/2010