

## ELECTRICAL OIL SERVICES LTD

### INHIBITED INSULATING OIL IEC 60296/2003

**DS2511 14/5/2009**

Application

Electrical Oil Services Ltd Inhibited Insulating Oils are pure mineral hydrocarbon based oils specially refined and blended from selected crudes to surpass the limiting values of the International Industry Standard, and further protect against oxidation by the inclusion of carefully chosen inhibiting additives. Conforms to IEC 60296/2003

PROPERTY	UNIT	TEST METHOD	SPECIFICATION		TYPICAL DATA
			Min	Max	
<b>1. PHYSICAL</b>					
Appearance		IEC 296	Clear, free from sediment		
Viscosity @ -15°C	cSt	BS 2000.71		800	400
Viscosity @ 40°C	cSt	BS2000.71		16.5	9
Closed Flash Point	°C	EN 22719	135		140
Pour Point	°C	BS 2000.15		-40	< -45
Density @ 20°C	Kg/dm <sup>3</sup>	BS 4714		0.895	0.88
<b>2. CHEMICAL</b>					
Neutralisation value	mgKOH/g	BS148.98		0.01	<0.01
Antioxidant additive	%	IEC 60666	0.08	0.40	0.40
Corrosive Sulphur		IEC 62535 ASTM1275	Non corrosive Non corrosive		
Polycyclic Aromatics mass	%	BS 2000 Part 346		3	< 3
PCB content	mg/kg	IEC 61619	Not detectable		Not detectable
Water content Bulk Drums	mg/kg	IEC 814: 1985		30 40	< 15 < 25
<i>Oxidation stability at 120°C</i> 500h Acidity after Oxidation 500h Sludge Value	mgKOH/g wt %	IEC 1125 C		1.2 0.8	0.5 0.1
<b>3. ELECTRICAL</b>					
Dielectric Dissipation Factor @ 90°C		BS 5737		0.005	0.001
Breakdown Voltage	kV	IEC 156	30		> 40

Health and Safety information sheets are available for all Electrical Oil Services Ltd products from the address below:  
Electrical Oil Services Ltd, PO Box 79, Bridges Road, Stanlow Works, Ellesmere Port, Cheshire, CH65 4WD.

Orders/Enquiries - Telephone: (0845) 602 1003, Fax: (0845) 602 1004

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