



TECHNICAL DATA

GB TRANSFORMER OIL

An uninhibited insulating oil for transformers and other electrical equipment

APPLICATIONS

GB TRANSFORMER OIL is a severely hydro-treated insulating oil for use in oil-filled transformers, switch-gear contacts, welding sets and high voltage electrical equipment.

PERFORMANCE FEATURES

GB TRANSFORMER OIL is suitable for use in oil-filled transformers and other electrical equipment and offers the following features:

- High oxidation-resistance
- Low sludge-formation
- Low pour point
- High di-electric (insulating) properties
- Excellent heat-transfer to aid cooling

PERFORMANCE DETAILS

GB TRANSFORMER OIL may be used where the following specification is required:

IEC 60296 Edition 4.0 (2012) general specifications

Cont'd.../...

GB LUBRICANTS

Albany Road Gateshead NE8 3BP

Tel: 0191 490 4312

Fax: 0191 477 9544

e-mail: gblsales@gblubricants.co.uk

www.gblubricants.co.uk

Trading Name of Goodall Bates & Todd Ltd



GB LUBRICANTS

GB TRANSFORMER OIL

CHARACTERISTICS

TEST	UNIT	METHOD	TYPICAL PHYSICAL CHARACTERISTICS
Appearance	-	IEC 60296	Clear and free from sediment
Density @ 20°C	kg/m ³	ISO 12185	877
Viscosity @ 40°C	mm ² /s	ISO 3104	9.5
Viscosity @ -30°C	mm ² /s	ISO 3104	1050
Flash Point, PM	°C	ISO 2719	150
Pour Point	°C	ISO 3016	-51
Neutralisation value	mg KOH/g	IEC 62021	<0.01
Corrosive Sulphur	-	DIN 51353	Non corrosive
Total PCB content	mg/kg	IEC 61619	Not detectable
<u>ELECTRICAL</u>			
Dielectric Dissipation Factor @ 90°C	-	IEC 60247	<0.001
Interfacial Tension	mN/m	EN 14210	48
Breakdown Voltage – as delivered	kV	IEC 60156	40-60
<u>OXIDATION STABILITY @ 120°C 164h</u>			
Total Acidity	mg KOH/g	IEC 61125C	0.57
Sludge	Wt%		0.18

STORAGE AND HANDLING

GB TRANSFORMER OIL should be stored indoors at ambient temperatures to avoid the risk of moisture and dust ingress. If it is not, the catalytic influence can increase the formation of sludges and acids, whilst affecting the di-electric strength of the product.

Further information on GB TRANSFORMER OIL can be obtained by referring to the corresponding Safety Data Sheet.

The Company policy is to ensure that a range of products is supplied which complies with the latest specifications and codes within the relevant industry. As part of this development process, we therefore reserve the right to amend formulations without prior notice.

TDS178.0525.06