



Lube Control Pty Ltd



Product Data

Perfecto™ TR IN

Transformer Oil

Description

Castrol Perfecto™ TR IN (previously called Inhibited Transformer Oil) is a pure mineral hydrocarbon oil, specially refined and blended from selected crudes. It is an inhibited product, optimised for high performance to meet the stringent requirements of International Standard IEC 60296, Edition 4.0, 2012 02.

Application

Designed for use as a high performance transformer, switchgear and circuit breaker oil which conforms to the international specification IEC60296:2012, inhibited oil.

Advantages

- High dielectric strength and low power loss.
- Excellent resistance to oxidation leading to enhanced equipment life.
- Excellent cooling properties.
- High purity and flash point.
- Excellent low temperature fluidity allowing use in extreme climates.



Typical Characteristics

Name	Method	Units	TR IN
Kinematic Viscosity @ -30°C	ASTM D445 / ISO 3104	mm ² /s	1080
Kinematic Viscosity @ 40°C	ASTM D445 / ISO 3104	mm ² /s	8.7
Flash Point - closed cup method	ASTM D93 /ISO 2719	°C	144
Pour Point	ASTM D97 / ISO 3016	°C	-60
Density @ 20°C	ASTM D4052 / ISO 12185	kg/m ³	0.882
Neutralisation Value	IEC 62021	mgKOH/g	< 0.01
Corrosive Sulphur	IEC 62535	-	non-corrosive
Polycyclic Aromatic Mass	BS 2000 part 346	%	< 3
PCB Content	IEC 61619	-	not detectable
Water Content: Bulk, Drums	IEC 60814	ppm	< 15, < 25
Dielectric Dissipation Factor at 90°C	IEC 60247	-	< 0.001
Breakdown Voltage on Delivery	IEC 60156	kV	>40
Oxidation Stability at 120°C, 500h	IEC 61125 (Method C)	-	-
- Acidity after oxidation		mgKOH/g	0.08
- Sludge Value		% weight	0.03

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

This product was previously called Inhibited Transformer Oil. The name was changed in 2015.

Perfecto™ TR IN
12 Jul 2019
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