Product Data Sheet

TRANSFORMER OIL - PARAFFINIC UNINHIBITED OIL PU-20



Description

BENZOL® Transformer Oils are manufactured from carefully selected New Generation Right Paraffinic Base Oil with emphasis on product purity at every stage of refining. Base oils offer a high degree of compositional consistency and have an excellent response to antioxidants. They protect transformers from failure by reducing the risk of corrosive Sulphur developing from the insulating oil.

Applications

BENZOL® Transformer oils are suitable for all types of power, Oil-immersed switchgear, Oil-filled capacitors, Electrical reclosures and distribution transformers, X-ray equipment, Power Transformers, Distribution Transformers. It will dissipate heat, insulate windings and quench the spark between the opening contacts when tap changing.

Performance Benefits

- Good transformer component cooling.
- Good low temperature fluidity.
- Better insulation properties.
- Reduced corrosive Sulphur and aromatic contents.
- Long service life.
- It can withstand extreme climatic conditions.

Specifications and Approvals

IEC 296 – Class I & II, IEC 60296, ASTM D3487 Type I & II, BS 148 Class I

Product/Part Number

TR01000513	1 x 20	TR01000533	1 x 25
TR01000563	1 x 200	TR01000573	1 x 208
TR01000603	1x1000		

Technical Specifications

Tests	Method	Results
Appearance	Visual	Clear & Bright
Color	D-1500	Transparent
Kinematic Viscosity @ 40 °C mm^2/sec	ISO-3104	<16.5
Kinematic Viscosity @ -15 °C mm^2/sec	ISO-3104	<800
Pour Point, °C	ISO-3016	<-30
Water Content (PPM) (Bulk supply)	IEC-60814	<30 mg/kg
Breakdown Voltage (delivered)	IEC-60156	>30 kV
Density @20°C, kg/dm^3	ISO-3675	<0.8950
Dielectric Dissipation Factor @ 90 °C & 40 to 60 Hz	IEC-60247	< 0.005
Acidity	IEC 62021-1	<0.01 mg KOH/gm
Inter Facial Tension MN/m	EN 14210	>40
Total Sulphur Content	IP 373	-
Corrosive Sulphur	DIN 51353	Not Corrosive
Potentially Corrosive Sulphur	IEC 62535	Not Corrosive
DBDS (Dibenzyldisulphide) mg/kg	IEC 62697	Not detectable <5mg/kg
Inhibitors of IEC 60666	IEC 60666	(U) Uninhibited Oil; Not Detectable (<0.01%)
Metal Passivator Additives mg/kg	IEC 60666	Not Detectable
2 Furfural Content mg/kg/gm	IEC-61198	Not Detectable
Oxidation Stability @120°C, 164 HRS	IEC 61125:1992 INHIBITED OIL: 164h	

© Copyright 2021 Benzol Lubricants | All Rights Reserved.

CUSTOMER CARE
info@benzollubricants.de
www.benzollubricants.de

TRANSFORMER OIL - PARAFFINIC UNINHIBITED OIL PU-20

(A.) Total Acidity mg KOH /gm (B.) Sludge % (C.) DDF @ 90 °C	1.9.4 of IEC 61125:1992 1.9.1 of IEC 61125:1992 1.9.6 Of IEC 61125:1992 Amendment 1(2004) +IEC 60247	<1.2 <0.8 <0.5
Flash Point	ISO 2719	>140 °C
PCA Content %	BS-2000 PART 346	<3.0%
PCB Content mg/kg/gm	IEC-61619	Not Detectable

HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other BENZOL products, please visit www.benzollubricants.de

© Copyright 2021 Benzol Lubricants | All Rights Reserved.

CUSTOMER CARE
info@benzollubricants.de
www.benzollubricants.de