Naphthenic Transformer Oil

Description

Goncord naphthenic transformer oil is crafted from carefully refined low coagulation naphthenic narrow distillate base oil and isomeric hydrocarbons. It utilizes high-performance synthetic base oils, incorporating cycloalkanes and aromatic hydrocarbons, fortified with highly efficient composite antioxidants. The production process involves supplementary refining, blending, vacuum degassing, dehydration, and high-precision filtration.

Goncord naphthenic transformer oil is available in various types, including 25-grade, 45-grade transformer oils, ultra-high-pressure transformer oil, as well as long-life transformer oil and high-flashpoint transformer oil. The 25-grade and 45-grade transformer oils find wide applications in power equipment below 330kV, while ultra-high-pressure transformer oil is suitable for equipment with a rating of 500kV and above. The types and concentrations of antioxidants can be tailored to meet specific user requirements.

Goncord naphthenic transformer oils have been successfully employed in large transformers of major companies and power grids across China such as Northeast Power Grid, North China Power Grid, East China Power Grid, South China Power Grid, and China Ministry of Railways.

Our naphthenic transformer oils comply with international standards such as GB2536-91, Petrochemical SH0040-91, International Electrotechnical Commission (IEC) 60296, British Standard BS148, and American Society for Testing and Materials (ASTM) D3487.

Properties

Items	No. 25	No. 45
Density(20℃) kg/m3	875	868
Kinematic viscosity 40℃ mm2/s	10.2	9.8
Pour point, ℃	-28	-48
Flash point(PMCC),℃	145	142
Dielectric dissipation factor(90℃)	<0.001	<0.001
Interfacial tension mn/m	45	45