

JoshTrans

I Standard Inhibited Transformer Oil

Product Description

JoshTrans is a premium Highly Refined Naphthenic Oil + DBPC Inhibitor (0.3%) Inhibited Transformer Oil designed for Distribution transformers, industrial transformers, free-breathing transformers, retrofit applications. Meets IEC 60296 Type B (I), IS 335:2018 Type I Inhibited, ASTM D3487 Type I-I specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Clear pale yellow liquid
Density at 15°C	0.870-0.890 g/cm³
Kinematic Viscosity at 40°C	9.0-11.0 cSt
Kinematic Viscosity at -30°C	800 cSt max
Flash Point (PM)	140°C min
Pour Point	-40°C max
Breakdown Voltage (BDV)	30 kV min (2.5mm gap)
Breakdown Voltage (BDV) after treatment	70 kV min
Dielectric Dissipation Factor at 90°C	0.005 max
Resistivity at 90°C	10 ¹² Ω·cm min
Interfacial Tension at 25°C	40 mN/m min
Acidity (Neutralization Value)	0.01 mgKOH/g max
Water Content	20 ppm max
Oxidation Stability (IEC 61125C)	500+ hours
Oxidation Inhibitor (DBPC)	0.25-0.35%
Corrosive Sulphur	Non-corrosive
Extended Service Life	2-3x uninhibited oils

Applications

Distribution transformers, industrial transformers, free-breathing transformers, retrofit applications

Performance Standards

IEC 60296 Type B (I)

Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants