

# JoshTrans

Natural Ester Synthetic Transformer Fluid

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## Product Description

JoshTrans is a premium High Oleic Natural Ester (Soybean/Rapeseed Derived) Synthetic Transformer Fluid designed for Eco-friendly transformers, retrofill applications, urban substations, renewable energy installations. Meets IEC 62770, IEEE C57.147, FM Approved, USDA BioPreferred specifications and delivers exceptional performance in demanding conditions.

## Technical Specifications

Appearance	<b>Clear light amber liquid</b>
Density at 15°C	<b>0.910-0.930 g/cm<sup>3</sup></b>
Kinematic Viscosity at 40°C	<b>32-40 cSt</b>
Kinematic Viscosity at 100°C	<b>8-10 cSt</b>
Flash Point (COC)	<b>330°C min</b>
Fire Point	<b>360°C min</b>
Pour Point	<b>-18°C max</b>
Breakdown Voltage (BDV)	<b>40 kV min (2.5mm gap)</b>
Dielectric Dissipation Factor at 90°C	<b>0.02 max</b>
Resistivity at 90°C	<b>10<sup>12</sup> Ω-cm min</b>
Acidity (Neutralization Value)	<b>0.06 mgKOH/g max</b>
Water Content	<b>200 ppm max</b>
Water Saturation Limit	<b>1100 ppm</b>
Biodegradability (OECD 301B)	<b>&gt;97% in 28 days</b>
Fire Classification	<b>K Class (Less Flammable)</b>
Carbon Footprint	<b>Lowest among transformer fluids</b>
Renewable Content	<b>100%</b>

## Applications

Eco-friendly transformers, retrofill applications, urban substations, renewable energy installations

## Performance Standards

IEC 62770

## 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