

BARREL TRANS BIO

(Biodegradable electrical insulating oil)

BARREL TRANS BIO is an electrically insulating oil based on a highly biodegradable synthetic ester developed in consideration of the environment.

1. Features

- (1) Highly biodegradable and can reduce the burden on the environment.
- (2) Lower viscosity than conventional high flash point ester-based electrical insulating oil, so it effectively cools the transformer.
- (3) Excellent oxidative stability and can be used for a long time.
- (4) High quality electrical insulating oil that conforms to Japanese Industrial Standards (JIS) .

2. Typical properties

Property	BARREL TRANS BIO
Biodegradability % (OECE301C, 28th)	>75
Appearance	Clear
Density (15°C) kg/l	0.946
Kinematic Viscosity mm ² /s	40°C
	100°C
Pour Point °C	-45>
Flash Point(COC) °C	264
Burning Point(COC) °C	308
Acid Number mgKOH/g	0.01
Corrosive Sulfur (140°C,19h)	non-corrosive
Oxidation Stability (120°C,75h)	Sludge %
	Acid Number mgKOH/g
Water Content mg/kg	100
Dielectric Breakdown Voltage (2.5mm) kV	75
Dielectric Dissipation Factor (80°C) %	0.25
Volume Resistivity (80°C) TΩ·m	0.15
Color (ASTM)	L0.5

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