Synthetic Ester High Ignition Point Transformer Oil

Description

Goncord has formulated a high-ignition point transformer oil by using ester base oil and incorporating a high-efficiency, high-temperature anti-oxidation additive. The transformer oil meets the standards of DIN EN61099-2010. This transformer oil boasts a wide temperature range, excellent electrical properties, and superior cooling performance. Notably, even with higher water content, its electrical properties remain largely unaffected.

Furthermore, this transformer oil is biodegradable and functionally comparable to MIDEL 7131 and DSI ECO transformer oils.

Properties

Items	Specification	Test value	Test method
Appearance	Transparent without mechanical impurity	Transparent without impurity	Visual
Density (20°C) kg/m3	1000	967	SH/T0604-2000
Kinematic viscosity mm2/s 40°C -20°C	 35 3000	 29.22 1335	GB/T265-1988
Pour point, °C	-45	-56	GB/T3535-2006
Flash point (Open Cup), °C	250	265	GB/T267-1988
Ignition point	300	312	GB/T267-1988
Acid value, mgKOH/g	0.03	0.0103	NB/SH/T0836-2010
Corrosive sulfur	Non- corrosive	Non -corrosive	SH/T0804-2007
Oxidation stability, 120°C, 164h Acid value, mgKOH/g Sediment, %(m/m)	 0.3 0.01	 0.089 0.0056	IEC61125 MethodC
Breakdown voltage (2.5mm)	45	57	GB/T507-2002
Water-soluble acid/alkali	None	None	GB/T259-1998
Dielectric dissipation factor (90°C)	0.03	0.01	GB/T5654-2007
Volume resistivity 90°C G Ω m	2*10^9	1.2*10^9	GB/T5654-2007
Water content, mg/kg	200	40	GB/T7600-2014
	Conclusion: it meets the requirement of DIN EN 61099-2010 Standard.		

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