CEYPETCO
ENERGIZING THE FUTURE

Product Information

Ceypetco- Hypertrans Transformer Oil (IEC 60296 :2020) –Edition 5

Product Description:

Ceypetco Hypertrans transformer oil is a premium uninhibited mineral electrical insulating oil made from severely hydrotreated wax-free naphthenic oil which is good as a dielectric and coolant. It has very good low temperature fluidity, high flash point and chemical stability.

Features and Benefits:

Ceypetco Hypertrans is manufactured from carefully selected naphthenic base stock that provides cooling, insulating, arc quenching and cleaning properties while meeting the requirements defined in IEC 60296:2012.

Its inherent cooling, chemical stability and high sludge solubilizing effects provides excellent performance in transformers, switchgears, capacitors and other liquid filled electrical equipment. It features:

- Excellent impulse strength
- Excellent oxidation stability
- Low dielectric dissipation factor (power factor)
- Low electrostatic charging tendency
- Non carcinogenic
- Non corrosive sulphur
- PCB and DBDS free

Specification

Ceypetco Hypertrans transformer oil meets or exceeds the following specifications:

- IEC 60296 : 2020- Edition 5 (Table B)
- TNB-KEJ 04405-2016

Packages Sizes

- Available in bulk and 209L Steel Drums

Supply is also tailored to meet customers' requirement

Health, Safety and Environment

Based on available information, this product is not expected to produce adverse effects on health when used for applications referred to above and the recommendations provided in the Safety Data Sheet (SDS) are followed. SDS is available upon request through your sales contact office. This product should not be used for purpose other than the applications referred to above. If disposing of used product, take care to protect the environment, follow the local rules and regulations of your local Authority.

Our Safety Data Sheet is prepared in accordance with **Globally Harmonized System** for Classification and Labelling of Chemicals (GHS) as recommended by the Industry Code of Practice on Chemical Classification and Hazard Communication 2013 (ICOP)- Section 37 of Occupational Safety and Health Act 1994 (OSHA 1994).

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Typical Characteristics

PROPERTY	TEST METHOD	GUARANTEED VALUE	
		Min	Max
Function			
Viscosity, cSt at 40 °C	ISO 3104		12
Viscosity, cSt at -30° C	ISO 3104		1800
Pour Point, °C	ISO 3016		-40
Water Content, PPM	IEC 60814		30
Breakdown Voltage , kV	IEC 60156	30 / 70**	
Density at 20°C, g/ml	ISO 3675		0.895
DDF at 90°C	IEC 60247		0.005
Refining /Stability			
Appearance	Visual	Clear & Bright	
Acidity, mgKOH/g	IEC 62021-1 /2		0.01
Interfacial Tension, dynes /cm	ASTM D971	40	
Corrosive Sulphur	DIN 51353	Non Corrosive	
Potentially Corrosive Sulphur	IEC 62535	Non Corrosive	
DBDS, mg/kg	IEC 62697-1	Not Detectable (<5mg/kg)	
Inhibitors of IEC 60666, mg/kg	IEC 60666	Not Detectable (<0.01%)	
Metal Passivator Additives of IEC 60666, mg/kg	IEC 60666	Not Detectable (<5mg/kg)	
2-Furfural Content, mg/kg	IEC 61198	Not Detectable (<0.05mg/kg)	
Other Additive		See[a]	
Performance			
Oxidation Stability at 120°C, 164 hrs	IEC 61125 C		
Total Acidity, mg KOH/g			1.2
Sludge, %			0.8
DDF at 90°C			0.5
Health, Safety and Environment (HSE)			
Flash Point, °C	ISO 2719	135	
PCA Content, %	IP 346		3
PCB Content, mg/kg	IEC 61619	Not Detectable (<2mg/kg)	

Remark :

**30 kV - Before Treatment / 70 kV- After Treatment

Note: All information supplied by or on behalf of **Hyrax Oil** in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by rigorous laboratory work and research and believed to be reliable. Typical test data are average values only. Minor variations to typical properties not affecting the performance of the product are to be expected in normal manufacturing circumstances.

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