



Product Information

Hyrax Maltrans SPX Transformer Oil

Product Description:

Hyrax Maltrans SPX transformer oil is a premium inhibited mineral insulating oil made from a severely hydrotreated wax-free base 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:

Hyrax Maltrans SPX is manufactured from carefully selected of high quality base stock that provides cooling, insulating and arc quenching properties while

meeting the requirements defined in IEC 60296:2003.

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

- Excellent impulse strength
- Excellent oxidation stability
- Low dissipation power factor (power factor)
- Low static charging tendency
- Non carcinogenic & PCB free

Typical Characteristics

PROPERTY	TEST METHOD	SPECIFICATION		VALUES
		Min	Max	
Function				
Viscosity, cSt at 40 °C	ISO 3104		12	11.12
Viscosity, cSt at -30° C	ISO 3104		1800	400
Pour Point, °C	ISO 3016		-40	<-40
Water Content, PPM	IEC 60814		30 / 40*	20
Breakdown Voltage , kV	IEC 60156	30 / 70**		60
Density at 20°C, g/ml	ISO 12185		0.895	0.856
DDF at 90° C	IEC 60247		0.005	0.0002
Refining /Stability				
Appearance	Visual	Clear & Bright		Clear & Bright
Acidity, mgKOH/g	IEC 6201-1		0.01	0.001
Interfacial Tension, dynes /cm	ISO 6295	No general requirement		45
Total Sulfur Content	BS 20000 Part 373	No general requirement		No general requirement
Corrosive Sulfur	DIN 51353	Non Corrosive		Non Corrosive
Antioxidant Additive, wt %	IEC 60666		0.4	0.3
2-Furfural Content, mg/kg	IEC 61198		0.1	< 0.1
Performance				
Oxidation Stability at 120 °C, 500 hrs	IEC 61125 C			
Total Acidity, mg KOH/g			1.2	0.085
Sludge, %			0.80	0.008
Health, Safety and Environment (HSE)				
Flash Point, °C	ISO 2719	135		155
PCA Content, %	BS 2000 Part 346		3	< 3
PCB Content, mg/kg	IEC 61619	Not Detectable		Not Detectable

Note: 30 / 40 * :- 30 PPM for Bulk Delivery and 40 PPM for Drum Delivery

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Specification:

Hyrax Maltrans SPX transformer oil meets or exceeds the following specifications:

- IEC 60296 : 2003- Inhibited Oil

Packages Sizes

- Available in bulk and 209L Steel Drums
- Supply is also tailored to meet customers' requirements

Health and Safety

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 Material Safety Data Sheet (MSDS) are followed. MSDS's are 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.

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.