Transformer & Electrical Oils

hyrax® Maltrans SPX

Description

Hyrax Maltrans SPX is a premium type of inhibited mineral insulating oil (transformer oil) made from severely hydrotreated base oil. It has good dielectric and cooling properties as well as low temperature fluidity, high flash point and high chemical stability.

Performance

- IEC 60296:2012 (Inhibited)

Benefits

Hyrax Maltrans SPX is manufactured from carefully selected high quality base stock and fortified with an approved inhibitor that provides cooling, insulating and arc quenching properties while meeting the requirements defined in IEC 60296:2012. It features:

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

Typical Characteristics

Properties	Method	Min. Spec	Max. Spec	Values
Function				
Viscosity, cSt at 40°C	ISO 3104		12.0	10.64
Viscosity, cSt at -30°C	ISO 3104		1,800	700
Pour Point, °C	ISO 3016		-40	-45
Water Content, PPM	IEC 60814		30 / 40*	<15
Breakdown Voltage , kV	IEC 60156	30 / 70**		>70
Density at 20°C, g/ml	ISO 12185		0.895	0.8345
DDF at 90°C	IEC 60247		0.005	0.0002
Refining / Stability				
Appearance	Visual		Clear & Bright	Clear & Bright
Acidity, mgKOH/g	IEC 62021-1		0.01	0.005
Interfacial Tension, dynes/cm	IEC 62961		No general requirement	46
Corrosive Sulphur	DIN 51353		Non Corrosive	Non Corrosive
Potentially Corrosive Sulphur	IEC 62535		Non Corrosive	Non Corrosive
DBDS	IEC 62697-1		Not Detectable (<5mg/kg)	Not Detectable
Inhibitors of IEC 60666	IEC 60666	0.05	0.4	<0.4
Metal Passivator Additives	IEC 60666		Not Detectable (<5mg/kg)	Not Detectable
2-Furfural Content, mg/kg	IEC 61198		Not Detectable (<0.05mg/kg)	Not Detectable
Performance				
Oxidation Stability at 120°C, 500 hrs	IEC 61125 C			
Total Acidity, mg KOH/g			0.3	0.2
Sludge, %			0.05	<0.03
DDF at 90°C			0.05	0.02
Health, Safety and Environment (HSE)				
Flash Point, °C	ISO 2719	135		180
PCA Content, Wt%	IP 346		3	1.8
PCB Content, mg/kg	IEC 61619		Not Detectable (<2mg/kg)	Not Detectable

Note: *30 / 40 * – 30 PPM for Bulk Delivery / 40 PPM for Drum Delivery*
*30 / 70 ** – 30 kV for untreated / 70 kV for treated*