

Product Data Sheet

Voltinol II

Description et Applications

Saheli Voltinol II is a highly refined, non-inhibited, naphthenic type transformer oil of good oxidation stability and high dielectric strength, designed to meet the BS, ASTM and IEC related specifications for electrical insulating oil.

Features and Benefits

- Reduction in energy losses through its excellent electrical insulation and dielectric properties.
- Increased life of switch contacts by rapidly quenching arcs.
- Prolonged equipment life through good heat transfer properties.
- Long lifetime through its good natural oxidation stability.

Applications

Saheli Voltinol II is recommended for electrical insulation oil applications such as transformers and oil-immersed switchgears, regulators, reactors and certain other electrical equipment in which oil is required as an insulator or heat transfer.

Saheli Voltinol II is **NOT** recommended as oil for cables and switchgears requiring high viscosity oils or for special impregnation purposes, and where the use of synthetic dielectric fluids and uninhibited oils are recommended.

Performance Specifications

ASTM D3487: Type 1

BS 148: Class I and II

IEC* 296: Class I and II

- International Electro technical Commission

Test Parameters	Test Method	Typical Results
Density @ 20°C gm/cm ³	ISO 12185	0.883
Acidity, mg KOH/g	IEC 62021-1	<0.01
Viscosity @ 40°C (cSt)	ISO 3104	10.00
Viscosity @ -30°C (cSt)	ISO 3104	1222
Breakdown Voltage, kV, Before treatment	IEC 60156	59
Breakdown Voltage, kV, After treatment	IEC 60156	84
Water Content, mg/kg	IEC 60814	15
Pour Point °C	ISO 3106	-57
Flash Point (COC) °C	ISO 2719	145
Oxidation Stability at 120oC, 164 hours	IEC 61125,C	
Total Stability, mg KOH/g		0.9
Sludge, %		0.2
DDF at 90oC		0.047

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.

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