Transformer Oil X

REXOIL Transformer Oil X is a high-quality uninhibited electrical insulating oil produced from severely hydrotreated naphthenic base oil. It is specially designed for use in transformers, switchgear, and other oil-filled electrical equipment where excellent dielectric performance, oxidation stability, and cooling efficiency are required. The product is manufactured to meet the general specification requirements defined in IEC 60296, Edition 5 (2020) for mineral insulating oils.

REXOIL Transformer Oil X is recommended for use in power transformers, distribution transformers, oil-filled switchgear, reactors, and circuit breakers. It is also suitable for a wide range of electrical equipment requiring reliable insulating and cooling performance in oil-filled electrical insulating and heat transfer systems.

Technical Specifications

Test Description	Method	Specification	Typical Value
Viscosity, mm^2/s at 40°C	ISO 3104	Max 12.0	10.8
Viscosity, mm^2/s at -30°C	ISO 3104	Max 1800	995
Pour Point, °C	ISO 3016	Max -40	-47
Water Content, mg/kg	IEC 60814	Max 30	15
Breakdown Voltage, kV, Before treatment, 2.5 mm	IEC 60156	Min 30	48
Breakdown Voltage, kV, After treatment, 2.5 mm	IEC 60156	Min 70	75
Density at 20°C, g/ml	ISO 12185	Max 0.895	0.878
DDF at 90°C	IEC 60247	Max 0.005	0.00058
Appearance	IEC 60296	Min PASS	PASS
Acidity, mg KOH/g	IEC 62021-1	Max 0.01	0.0010
Corrosive Sulfur	DIN 51353	Noncorrosive	Noncorrosive
Corrosive Sulfur	IEC 62535	Noncorrosive	Noncorrosive
DBDS, mg/kg	IEC 62697-1	Not detected (<5)	Not detected (<5)
Inhibitors, %	IEC 60666	Not detected (<0.01)	Not detected (<0.01)
Metal Passivator Additives, mg/kg	IEC 60666	Not detected (<5)	Not detected (<5)
Furfural Content, mg/kg	IEC 61198	Not detected (<0.05)	Not detected (<0.05)
Oxidation Stability Total Acidity	IEC 61125 C	Max 1,2	0.0060
Oxidation Stability Sludge %	IEC 61125 C	Max 0.8	0.0061
Oxidation Stability DDF at 90°C	IEC 61125 C	Max 0.5	0.11
Flash Point, PMCC, °C	ISO 2719	Min 135	146
PCA Content, %	IP 346	Max.3	0,18
PCB Content, mg/kg	IEC 61619	Not detected (<2)	Not detected (<2)

REKSOIL PETROKİMYA SAN. VE TİC. A.Ş.
Adres: Birlik Organize Sanayi Bölgesi Doğu Cd. No:19-21 Tuzla – İSTANBUL - TÜRKİYE Tel: +90 216 593 35 70 Fax: +90 216 593 35 78
www.rexoil.com.tr