



Gulf Transcrest U

Uninhibited Electrical Insulating Oil

Product Description

Gulf Transcrest U is high performance uninhibited electrical insulating oil specially designed for use in transformers, switchgears and other electrical equipment. This oil is formulated with high quality severely hydroprocessed naphthenic base oils and do not contain antioxidant or metal passivating additives. It possess good dielectric properties and heat transfer characteristics due to the low viscosity and is free from detrimental traces of water, dust and fibrous material to provide reliable operation with reduced down-time and improved service life. **Gulf Transcrest U** exceeds the performance requirements of major transformer and switchgear specifications.

Features & Benefits

- High dielectric strength ensures excellent insulation and quenching of electric arc between switchgear contacts when opening the switch.
- Low power-loss contributes to overall efficiency
- Free from traces of water, dust and fibrous material and hence has no detrimental effects on the electric properties of the oil leading to maximizing oil and equipment life.
- Low viscosity and high interfacial tension ensures good wettability of oil and removal of air gaps to insulate windings and dissipate heat.
- Effective long term protection from rust and corrosion to critical system components

Applications

- Insulating and cooling oil for electrical transformers, switchgears, circuit breakers, capacitors and automotive ignition coils.
- Used where inhibited insulating oils meeting IEC 60296: Uninhibited type (U) are required.

Specifications, Approvals & Typical Properties

Meets the following Specifications		
IEC 60296 Uninhibited Type (U)		X
Typical Properties		
Test Parameters	Test Method	Typical Values
Viscosity @ 40 °C, cSt	ISO 3104	10.0
Viscosity @ -30 °C, cSt	ISO 3104	1222
Flash Point, PMCC, °C	ISO 2719	145
Pour Point, °C	ISO 3016	-57
Density @ 20°C, Kg/l	ISO 12185	0.883
Breakdown Voltage, kV, Before Treatment	IEC 60156	59
Breakdown Voltage, kV, After Treatment	IEC 60156	84
Acid Number, mg KOH/g	IEC 62021-1	<0.01
DDF @ 90°C	IEC 60247	0.002
Interfacial Tension, mN/m	ASTM D 971	50
Corrosive Sulphur	IEC 62535	Noncorrosive
Furfural Content, mg/kg	IEC 61198	<0.1
Antioxidant Additive, wt%	IEC 60666	Not Detected
Water Content, mg/kg	IEC 60814	15
Oxidation Stability @ 120°C, 164 hrs		
- Total Acidity, mg KOH/g	IEC 61125,C	0.9
- Sludge, %		0.2
- DDF @ 90°C		0.047
PCB Content	IEC 61619	Not Detected

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

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