

ENOC ARC TRANSFORMER OIL (Inhibited)

PRODUCT DESCRIPTION

ENOC ARC Transformer oil (Inhibited) is an inhibited premium quality transformer and switchgear insulating oil manufactured from high quality virgin mineral oil stocks with high purity and stability. **ARC** Transformer oil (Inhibited) possesses excellent oxidation stability due to its antioxidant formulation, high dielectric strength and resistance to acid and sludge formation to meet the technical requirements of the transformer manufacturers.

APPLICATIONS

- ◆ All makes of Power transformers, Distribution transformers
- ◆ Oil immersed electrical switch-gear
- ◆ Circuit breakers
- ◆ Oil filled capacitors
- ◆ X-ray equipment

PERFORMANCE STANDARDS - INHIBITED

IEC 60296- 2012 – Special application High grade
 ASTM D3487 Type II

BENEFITS

ENOC ARC Transformer oil (Inhibited) provides:

- ◆ Excellent oxidation stability
- ◆ High dielectric impulse strength
- ◆ Low electrostatic charging in operation
- ◆ Good resistance to breakdown voltage

STORAGE PRECAUTIONS

Transformer Oils require special handling and storage. ENOC strongly recommends that drums are stored horizontally inside a warehouse. The transfer of **ARC** in bulk and its storage must be in dedicated containers. Electrical oil service equipment must be available when the product is transferred. These precautions are necessary to ensure the transformer oil is protected against moisture and dirt. The oil must be kept clean and dry.

Technical Data*		
Transformer Oil Type		
Density, g/cm ³ @ 20°C		0.85
Viscosity, mm ² /s @ 40°C, ISO 3104		9.5
Viscosity mm ² /s @ -30°C, ISO 3104		1500
Flash Point, PMCC, °C, ISO 2719		146
Pour Point, °C, ISO 3016		≤-40
Breakdown Voltage, KV After treatment, IEC 60156		70-80
Acidity, mgKOH/gm, IEC 62021-1		<0.01
Corrosive Sulphur, Silver strip, 100°C, 18 hrs	DIN 51353	Non Corrosive
Corrosive Sulphur Copper strip, 150°C, 48 hrs	ASTM D 1275 B	Non Corrosive
Corrosive Sulphur Copper strip & Paper 150°C, 72 hrs	IEC 62535	Non corrosive
Gassing Tendency IEC 60628 Method A IEC 60628		Pass
Dielectric Dissipation Factor (DDF @90 °C) Max. IEC 60247		0.005
Water content mg/kg, IEC60814		30
Anti Oxidant Additives (Inhibitors) %, Max. IEC 60666		0.08
Product Code		243003

*The information prepared provides the typical properties that are considered as representative. Some variation which will not affect performance is possible

HEALTH AND SAFETY, ENVIRONMENT

The information on this product is available in the ENOC Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. Handled correctly there are no special precautions suggested.