Transformer Oil Inhibited

Efficient performance transformer oil

Product description

Transformer Oil Inhibited is an efficient performance inhibited transformer oil, designed to provide good dielectric strength, robust oxidation stability, and good low temperature properties. Transformer oil fulfils the requirements for IEC 60296 edition 5.0 and is Type A, classified as TVAI. It has also passed primary corrosion tests including ASTM D1275, IEC 62535, and DIN 51353.

Transformer Oil Inhibited is formulated with a naphthenic base stock and is 100% recyclable.

Customer benefits

- High dielectric strength
- Good low temperature properties
- Oxidation stability helps ensure long oil service life
- Oil passes 2006 Oil/Copper interactions tests as described in ASTM D 1275B

Product highlights

- **High dielectric strength**
- **Good low temperature performance**
- **Long service life**

Selected specification standards include:

BS	CIGRE
IEC	

Applications

- Transformer Oil Inhibited is used as an insulating oil in transformers, switch-gear, inductors, condensers, transducers and similar equipment, also for low temperature operation in outdoor use. It insulates current-carrying parts from each other and from ground, carries away heat, prevents glow discharges, extinguishes electric arcs in switchgear, and impregnates insulating materials.

Approvals, performance and suitable for use

Performance

Transformer Oil Inhibited meets the requirements of:

- IEC 60296 (5.0)
- BS 148 IIA (1998)

This oil tested non-corrosive with CIGRE A2.32 preferred method.

Typical test data

Test	Test methods	Results
Product Code		**036435**
Appearance	IEC 60296	Clear
Colour	ISO 2049	<0.5
Density at 20°C, kg/l	ISO 3675	0.871
Flash Point, PM, °C	ISO 2719	143
Pour Point, °C	ISO 3016	- 54
Kinematic Viscosity at 40°C, mm^2/s	ISO 3104	12
Neutralization Value (Acidity), mgKOH/g	IEC 62021	< 0.01
Water Content, mg/kg (ppm)	IEC 60814	< 20
Breakdown Voltage		
- Before Treatment, kV	IEC 60156	40-60
- After Treatment, kV	IEC 60296/60156	> 70

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).