

Q8 Transformer Oil U

Uninhibited transformer oil

Description

Q8 Transformer Oil U is a high performance transformer oil. It is uninhibited (U) based on naphthenic mineral oil and free from PCB's. For insulating and cooling of transformers and other oil-filled electrical equipment.

Applications

The product can be used in all types of oil-filled electrical equipment, including power and distribution transformers and switchgears.

Features

Enhanced technology

Transformer efficiency

Enhanced technology

Benefits

Exceptional performance, specifically developed for use in oil-filled electrical equipment

Superior uninhibited formulation which gives long and trouble-free service life

The product exceeds industry requirements on dielectric strength

Specifications & Approvals

IEC 60296

Properties

| | Method | Unit | Typical |
|---|-----------|--------------------|---------------------------|
| Appearance | IEC 60296 | | Clear, Free from Sediment |
| Density, 20 °C | ISO 12185 | kg/dm ³ | 0.879 |
| Kinematic Viscosity, 40 °C | ISO 3104 | mm ² /s | 9.5 |
| Kinematic Viscosity, -30 °C | ISO 3104 | mm ² /s | 1030 |
| Pour Point | ISO 3016 | °C | -61 |
| Acidity | IEC 62021 | mg KOH/g | <0.01 |
| Corrosive Sulfur | DIN 51353 | | Non corrosive |
| Corrosive Sulfur | D 1275 | | Non corrosive |
| Corrosive Sulfur | IEC 62535 | | Non corrosive |
| Sulfur | ISO 14596 | % mass | <0.01 |
| Inhibitors (antioxidant) | IEC 60666 | % mass | Non detectable |
| Water content | IEC 60614 | mg-kg | <10 |
| Furfural content | IEC 61198 | mg-kg | Non detectable |
| Dielectric Dissipation Factor (DDF) at 90 °C | | | <0.001 |
| Interfacial tension | ISO 6295 | mN/m | 47 |
| Breakdown voltage, Before treatment | IEC 60156 | kV | 45 |
| Breakdown voltage, After treatment | IEC 60156 | kV | 72 |
| Oxidation Stability at 120 °C (164 hr), Total acidity | IEC 61125 | mg KOH/g | 0.7 |
| Oxidation Stability at 120 °C (164 hr), Sludge | IEC 61125 | % mass | 0.2 |
| Oxidation Stability at 120 °C (164 hr), DDF at 90 °C | IEC 61125 | | 0.037 |
| Flash Point, P-M | ISO 2719 | °C | 144 |
| PCA content | IP 346 | % mass | <3 |
| PCB content | IEC 61619 | mg-kg | Non detectable, 0 |
| DBDS | IEC 62697 | mg-kg | Non detectable, 0 |

The figures above are not a specification. They are typical figures obtained within production tolerances.