

Goldenstone® TRAF0

Technical Data Sheet (TDS)

Power generation oil

Description and Application

Goldenstone® Trafo is uninhibited insulating oil formulated from highly refined naphthenic type crude oil. It is designated for use in high voltage electrical equipment such as transformers, circuit breakers (switches) etc., demanding a lubricant as insulating and heat-transfer media.

Benefits

- Very good oxidation stability
- Very good low temperature properties
- High dielectric strength
- Siemens approved

Specifications

IEC	60296 Ed.4.0, 2012 Class U
Siemens	TUN 901293

Typical Characteristics

Parameter	Test Method	Typical Value
Appearance		Clear and bright, without mechanical impurities
Kinematic viscosity at, mm ² / s - 40°C - minus 30°C	EN ISO 3104	9.6 1033
Flash point, PMCC, °C	ISO 2719	144
Pour point, °C	ISO 3016	below -40
Density at 20°C, g/cm ³	EN ISO 3675	0.880
Acidity, mg KOH/g	IEC 62021-1	0.01
Sulphur content, %	ISO 14596	0.01
Corrosive sulphur	DIN 51353	non corrosive
Corrosive sulphur	ASTM D 1275, B	non corrosive
Corrosive sulphur	IEC 62535	non corrosive
DBDS	IEC 62697-1	not detected
Other additives		no undeclared additives
Water content, mg/kg - in bulk (delivered) - in drums (delivered)	EN 60814	20 30
Oxidation stability - TAN, mg KOH/g - Sludge, % - tgδ at 90°C, 50 Hz	IEC EN 61125 Method C	0.07 < 0.01 0.365
Interfacial tension, mN/m, at 25°C	ASTM D 971	47
2-6-dibutyl para cresol content, %	IEC 60666	not detected
Breakdown voltage - as delivered, kV - after treatment, kV	EN 60156	45 72
DDF (tgδ) at 90°C, 50 Hz	EN 60247	0.001
PCBs content	IEC 61619	not detected

Parameter	Test Method	Typical Value
PCA, %	BS 2000 Part 346	<3.0
2-furfural content, mg/kg	IEC 61198	<0.05

Important note: Typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

Packages

210L, Bulk

Version: March 14, 2018