

TRANS-PLUS

TRANSFORMER OILS

328100301

DYADE
LUBRICANTS



PREMIUM UNINHIBITED TRANSFORMER INSULATING OILS

These oils are made from a carefully selected blend of the latest technology feedstocks and are severely refined, resulting in hydro-treated virgin mineral insulating oil with a high degree of purity and stability. They are suitable for use in equipment that requires operation at elevated temperatures and greater oxidation resistance, such as power transformers, distribution transformers, circuit breakers, and oil-filled switches. These inhibited transformer oils have excellent oxidation stability and high dielectric strength. For normal operations, the Transmax uninhibited series may be a suitable alternative. These oils are ideal for use in a wide range of electrical equipment, including power transformers, distribution transformers, circuit breakers, oil-filled switches, and x-ray machines.

CATEGORY

- Industry Specific

BENEFITS

- Higher flash point, resulting in low evaporation losses and better safety
- Remarkably low sludge and acidity formation, in both ageing and oxidation tests, results in longer life of oil and equipment
- Low viscosity oils offering excellent and fast heat transfer
- Very low sulphur and no DBDS content
- Non corrosive

PROPERTY	METHOD	VALUE
Appearance		B&C, free from suspended impurities
Odour		Odourless
Density @ 20 °C, kg/dm ³	ISO 3675	0.895
Kinematic viscosity, mm ² /s 40°C	BS EN ISO 3104	12.0
Kinematic viscosity, mm ² /s 27°C	IS 1448 (part-25)	
Kinematic viscosity, mm ² /s -15°C	BS EN ISO 3104	
Kinematic viscosity, mm ² /s -30°C		1800
Flash point PMCC, °C	BS EN ISO 2719	135
Pour point, °C	BS EN ISO 3016	≤-40
Neutralisation value/Acidity, mg KOH/g	IEC 62021-1 BS 148-1998	0.01
Corrosive sulphur - Silver strip, 100 °C, 18 h	DIN 51 353	Non corrosive
Corrosive sulphur - Cu Strip, 140°C, 19 h	BS 5680/IS335 Annex B	Non corrosive
Corrosive sulphur - Cu Strip, 150 °C, 48 h	ASTM D1275-B	Non corrosive
Corrosive sulphur - Cu Strip & Paper, 150 °C, 72 h	IEC 62535:08	Non corrosive
Water content, max mg/kg, Max - Bulk	IEC 60814	30
Water content, max mg/kg, Max - Drum	IEC 60814	30
Breakdown voltage - Delivered (kv), min	IEC & BS EN 60156	30
Breakdown voltage - After treatment (kv), min	IEC & BS EN 60156	70
Anti-oxidant additives, % Max	IEC 60666/BS 5984	0,15-0,40
Oxidation stability, 164 hrs - Neutralization value, mg KOH/g	IEC & BS EN 61125	0,25
Oxidation stability, 164 hrs - Total sludge (%) max	Method A&C	0,01
Oxidation stability, 500 hrs - Neutralization value, mg KOH/g	IEC & BS EN 61125	1,2
Oxidation stability, 500 hrs - Total sludge (%) max	Method A&C	0,8
Oxidation stability, 500 hrs - DDF @ 90 °C	IEC 60247	0,5
Oxidation Stability (RBOT), min	ASTM D2112	>195
Oxidation Stability-Induction period, hrs	IEC 474	
Dielectric dissipation factor DDF @ 90 °C	IEC 60247	0.005
Gassing tendency @ 50 Hz after 120 min, mm ³ /min, method A (max)	BS 5797/ IEC 60628,A	+5
Total PCB content, mg/kg	IEC & BS EN 61619	Not detectable
Total furans, mg/kg	IEC & BS 61198	0,10
Polycyclic aromatics % mass, typical	BS 2000 (P:346)	3,00
Interfacial tension, mN/m, min	ISO 6295	40
Total Sulphur Content, %, max	BS 2000 Part 373/ISO 14596	0.15

All data on this technical data sheet is indicative only

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