

TRANS-PLUS

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TRANSFORMER OILS

328100201

DYADE
LUBRICANTS



PREMIUM UNINHIBITED TRANSFORMER INSULATING OILS

These products consist of highly refined, hydro-treated, virgin mineral insulating oils with exceptional purity and stability. They are produced using a carefully selected blend of state-of-the-art feedstocks. These uninhibited transformer oils offer outstanding oxidation stability, high dielectric strength, and are suitable for use in equipment that operates at high temperatures and requires superior oxidation resistance. In more demanding applications where higher temperatures and better oxidation resistance are required, our inhibited line of transformer oils may be recommended. These products are suitable for use in power transformers, distribution transformers, circuit breakers, oil-filled switches, and x-ray equipment of all grades.

CATEGORY

- Industry Specific

BENEFITS

- Higher flash point, resulting on 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 impurities		B&C, free from suspended
Odour		Odourless
Density @ 20 °C, kg/dm ³	ISO 3675	0.895
Kinematic viscosity, mm ² /s 40°C	BS EN ISO 3104	11.0
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	140
Pour point, °C	BS EN ISO 3016	≤-45
Neutralisation value/Acidity, mg KOH/g	IEC 62021-1 BS 148-1998	0.03
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	40
Anti-oxidant additives, % Max	IEC 60666/BS 5984	Not detectable
Oxidation stability, 164 hrs - Neutralization value, mg KOH/g		IEC & BS EN 61125 0.4
Oxidation stability, 164 hrs - Total sludge (%) max	Method A&C	0.1
Oxidation stability, 164 hrs - DDF @ 90 oC	IEC 60247	
Breakdown voltage - Delivered (kv), min	IEC & BS EN 60156	30
Breakdown voltage - After treatment (kv), min	IEC & BS EN 60156	70
Dielectric dissipation factor DDF @ 90 oC	IEC 60247	0.002
Gassing tendency @ 50 Hz after 120 min. mm ³ /min, method A (max)		BS 5797/ IEC 60628,A
Total PCB content, mg/kg	IEC & BS EN 61619	<1
Total furans, mg/kg	IEC & BS 61198	0.10
Polycyclic aromatics % mass, typical	BS 2000 (P.346)	0.931
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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