



UNINHIBITED NAPHTHENIC TRANSFORMER OIL

Performance Standards:

- As per IEC 60296-Uninhibited (Naphthenic)

Product Specifications:

CHARACTERISTICS	TEST METHOD	SPECIFICATION	TEST RESULTS
APPEARANCE	VISUAL	Clear, Free from Sediment & Suspended Matter	Clear, Free from Sediment & Suspended Matter
DENSITY @20°C KG/dm ³	IEC 12185	0.895 MAX	0.8710
KINEMATIC VISCOSITY	ISO 3104		
@40°C MM ² /SEC		12 MAX	9.41
@ - 30°C MM ² /SEC		1800 MAX	980.54
POUR POINT °C	ISO 3016	-40 MAX	- 45
INTER FACIAL TENSION @25°C mN/m	ISO 6295	40 min	52
FLASH POINT PMCC °C	ISO 2719	135 MIN	146
ACIDITY mgKOH/gm	IEC 62021-1	0.01 MAX	0.0002
WATER CONTENT (PPM)	IEC-60814		
IN DRUMS		30 MAX	14
IN BULK		40 MAX	12
BREAK DOWN VOLT GE (KV.)	IEC 60156		72
AS DELIVERED		30 MIN	
AFTER TREATMENT		60 MIN	
DIELECTRIC DISSIPATION FACTOR (TAN DELTA) @90°C & 40°C TO 60 HZ	IEC-60247	0.005	0.0003
CORROSIVE SULPHU			
SILVER STRIP 100°C, 18 HRS	DIN 51353	NON COROSSIVE	NON COROSSIVE
COPPER STRIP, 150°C, 48	ASTM D 1275 B	NON COROSSIVE	NON COROSSIVE
OXIDATION STABILITY @120°C, 164 HRS	IEC-61125 (METHOD C)		
A) TOTAL ACIDITY mg KOH / gm		1.2	0.006
B) Sludge %		0.8	0.006
C) DDF @ 90 °C	IEC-60247	0.50	0.006
ANTI OXIDANT ADDITIVES, %	IEC 60666	NOT DETECTABLE	NOT DETECTABLE
PCA CONTENT %	BS-2000 PART 346	3 MAX	0.17 %
PCB CONTENT mg/kg/gm	IEC-61619	NOT DETECTABLE	NOT DETECTABLE
2 FURFURAL CONTENT mg/kg/gm	IEC-61198	0.1 MAX	NIL



HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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