



## INHIBITED NAPHTHENIC TRANSFORMER OIL

### Performance Standards:

- As per IEC 60296-Inhibited (Naphthenic)

### Product Specifications:

CHARACTERISTICS	TEST METHOD	SPECIFICATION	TEST RESULTS
Aniline Point °C	ASTM D 611	Minimum 63	75.0
Number of Colours	ASTM D 1500	Maximum 0.5	0.00
Breakdown Voltage, kV (Between the two electrodes: 2.5 mm)	VDE 0370	Minimum 50	70.0
Water Content, ppm	ASTM D 1533	Maximum 20	12.0
Flash Point, °C	ASTM D 92	Minimum 140	144
Interfacial Tension @ 25 °C, dyne/cm.	ASTM D 971 (filter edilmemis)	Minimum 40	52
Neutralization Number, mg KOH/g.	ASTM D 974, 664	Maximum 0.01	0.0002
Pour Point, °C	ASTM D 97 (a)	Maximum -40	-45
Power Factor, 100 °C %	ASTM D 924	Maximum 0.30	0.0008
Power Factor, 25 °C %	ASTM D 924	Maximum 0.05	0.0002
Density at 15 °C / 15 °C g/ cm <sup>3</sup>	ASTM D 1298	Maximum 0.910	0.882
Viscosity, cSt, 40 °C	ASTM D 445	Maximum 1	10.24
SSU, 40 °C	ASTM D 88	Maximum 66	60.00
PCB ppm	DEXIL L -2000	Non-Detectable	Not detectable.
Oxidation Stability (ageing /Sludge)	IEC- 61125–Method	500 saat	90
Total acidity		< 1.2 mgKOH / g	0.005
Sediments		<% 0.8	0.0024
DDF at 90 °C	IEC- 60247 (b)	< 0.500	0.006
Oxidation Inhibitor Additive (DBPC) % weight.	IEC- 60666 Annex – A (b)	0.20 - 0.40	0.30
Passivator	IEC- 60666 Annex – B (b)	Not detectable	Not detectable
Pour Point Inhibitor Additive	IEC- 60666 Annex – C (b)	Not detectable)	Not detectable
Extract Compounds, Mass %.	IP – 346 (b)	Maximum 3 %	0.18 %
2-Furfural Content, ppm or	IEC 61198 (b) ASTM	Maximum 0.1 mg/kg.	Nil
Furanic Compounds	D 5837 (b), (c)	Maximum 25 µg/L	---
Corrosive Sulphur	IEC – 62535 (b)	Non-Corrosive	Non-corrosive



**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](http://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](http://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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