



DIEKAN 402 TRANSFORMER OIL

(ASTM Type I Transformer Oil)

DIEKAN 402 TRANSFORMER OIL is naphthenic mineral oil that meets important electrical industry standards. It meets the requirements of Type I ASTM D-3487 fluid specifications. It exhibits high dielectric strength and has a very small amount of inhibitor to stabilize the fluid in the absence of natural sulfur inhibitors. It contains no PCBs.

DIEKAN 402 TRANSFORMER OIL is recommended for use in electrical equipment such as distribution and substation transformers, circuit breakers, oil filled capacitors, switches, tap changers, and electrical reclosures. It may also be used in applications requiring a low viscosity naphthenic mineral oil.

TYPICAL CHARACTERISTICS

Product Code	15264
API Gravity	28.4
Specific Gravity (ASTM D-1298)	0.885
Viscosity (ASTM D-445):	
cSt @ 40°C	9.0
cSt @ 100°C	2.2
Flash Point (ASTM D-92) °F (°C)	300 (149)
Pour Point (ASTM D-97) °F (°C)	-76 (-60)
Color (ASTM D-1500)	L0.5
Dielectric Strength, kV (ASTM D-877) 30 minimum	40
Aniline Point (ASTM D-611) °F (°C)	163 (73)
Dielectric Breakdown: 60 Hz, Disc Electrodes, kV (ASTM D-877)	55
KV 1.01 mm gap (ASTM D 1816)...28 minimum	36
Voltage Impulse, 1" gap, kV (ASTM D-3300)...145 minimum	>300
Power Factor (ASTM D-924) @100°C, %	0.1
Water Content, ppm (ASTM D-1533) (35 max)	<20
Neutralization Number (ASTM D-974) mg KOH/g	<0.01
Antioxidant Content, wt% (ASTM D-1473)	0.08
Oxidation Stability (ASTM D-2440): 72 hrs - % Sludge (.15 max)	<0.01
- Acid Number (.5 max)	<0.02
164 hrs - % Sludge (.3 max)	<0.01
- Acid Number (.6 max)	0.1
Corrosive Sulfur Test (ASTM D-1275)	No Corrosion
Interfacial Tension, Dynes/cm (ASTM D-971) 40 minimum	50
Gassing Tendency, uL/min (ASTM D-2300-B) +30 max	+20
PCB Content (ASTM D-4059)	None detectable

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.
4/1/2008