



# DIEKAN 410 TRANSFORMER OIL

**DIEKAN 410 TRANSFORMER OIL** is an inhibited naphthenic mineral oil that meets important electrical industry standards. It meets the requirements of Type II ASTM D-3487 fluid and NEMA TR-P8-1975 specifications. It exhibits high dielectric strength and contains antioxidants to improve service life for operation under severe conditions. It contains no PCBs.

**DIEKAN 410 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	15262
API Gravity	26.4
Specific Gravity (ASTM D-1298)	0.8959
Viscosity (ASTM D-445):	
cSt @ 40°C	10.9
cSt @ 100°C	2.54
SUS @ 100°F	65
SUS @ 210°F	35
Flash Point (ASTM D-92) °F (°C)	300 (149)
Pour Point (ASTM D-97) °F (°C)	-80 (-62)
Color (ASTM D-1500)	L0.5
Dielectric Strength, kV (ASTM D-877)	40
Aniline Point (ASTM D-611) °F (°C)	165 (74)
Dielectric Breakdown: 60 Hz, Disc Electrodes, kV (ASTM D-877)	38
Voltage Impulse, 1" gap, kV (ASTM D-3300)	173
Power Factor (ASTM D-924): @ 25°C, %	0.002
@100°C, %	0.070
Antioxidant Content, wt% (ASTM D-1473)	0.15
Water Content, ppm (ASTM D-1533)	21
Neutralization Number (ASTM D-974) mg KOH/g	0.014
Rotating Bomb Oxidation Test, minutes (ASTM D-2112)	378
Oxidation Stability (ASTM D-2440): 72 hour test - % Sludge	0.1
- Acid Number	0.1
164 hour test - % Sludge	0.1
- Acid Number	0.1
Corrosive Sulfur Test (ASTM D-1275)	No Corrosion
Interfacial Tension, Dynes/cm (ASTM D-971)	42
Gassing Tendency, uL/min (ASTM D-2300): Procedure A	15
Procedure B	30
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.

10/09/01