

LUBTROIL™

Transformer Oil which complies fully with the following Specifications:

ASTM D-3487, Type II
Doble TOPS-884, Inhibited Type II
BS 148:1984, Class IIA (Inhibited)
IEC 296:1982, Class IIA (Inhibited)
CAN/CSA-C50-97, Type II (Class B)

Property	ASTM Method	Specifications	Results
Aniline Point, °C	D-611	63 / 84	71
Color	D-1500	0.5 Maximum	L0.5
Flash Point, °C	D-92	146 Minimum	150
Interfacial Tension @ 25°C, dynes/cm	D-971	40 Minimum	50
Pour Point, °C	D-97	-46 Maximum	-54
Specific Gravity, 15°C/15°C	D-1298	0.906 Maximum	.894
Viscosity, cSt (SUS):	D-445		
@ 100 °C		3.0 (36) Maximum	2.34
@ 40 °C		12.0 (66) Maximum	9.54
@ 0 °C		76.0 (350) Maximum	61.9
Visual Examination	D-1524	Clear and Bright	Clear and Bright
Dielectric breakdown voltage, 60 Hz: Disc electrodes, KV	D-877		
		30 Minimum	50
Dielectric breakdown voltage, 60 Hz: VDE Electrode, KV	D-1816		
		28 Minimum	36
Dielectric breakdown voltage, Impulse Cond. 25C, 1-in, (25.4mm) gap	D-3300		
		145 Minimum	160
Gassing Tendency, uL/min	D-2300B	+30 Maximum	-10
Power Factor @ 60 Hz, %, max	D-924		
@ 25° C		0.05 Maximum	<0.001
@ 100° C		0.30 Maximum	0.05
Oxidation Stability @ 72 Hours	D-2440		
% Sludge, by Mass		0.15 Maximum	<0.01
Total Acid Number mg KOH/g		0.50 Maximum	<0.01
Oxidation Stability @ 164 Hours	D-2440		
% Sludge, by Mass		0.30 Maximum	<0.01
Total Acid Number mg KOH/g		0.60 Maximum	<0.01
Rotating Bomb, minutes	D-2112	195 Minutes	350
Oxidation Inhibitor, % Mass	D-2668	0.30 Maximum	0.25
Water, ppm	D-1533	30 Maximum	12
Neutralization Number, mg KOH/g	D-974	0.03 Maximum	<0.01
Corrosive Sulfur	D-1275 A & B	Non-corrosive	Non-corrosive
PCB Content, ppm	D-4059	None Detected	ND