



Transformer Oil

Conoco Transformer Oil is an insulating oil of very high-dielectric strength.

Applications

Oil-filled transformers in both large substations and small pole-mounted transformers. It also is suited for use in circuit breakers, switches and any other oil-immersed electrical equipment.

It meets the requirements of ANSI/ASTM D3487 Type II for inhibited oils. This specification provides uniform functional characteristics for petroleum electrical-insulating oil and is recognized by the Institute of Electrical and Electronic Engineers (IEEE) and other professional societies that deal with insulating materials. It also meets Westinghouse Specification PDS 55822AG and Federal Specification VV-L-530A.

Outstanding Features

- Pours easily
- High-dielectric strength
- High Flash Point for greater safety
- Free from corrosive sulfur, acid and alkali
- Resists oxidation to reduce deposits
- Compatible with materials used in transformer construction
- Does not contain PCBs

**An Inhibited Oil For
Transformers And
Electric Apparatus**

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**Transformer Oil
Typical Properties**

Density (lb/gal at 60°F)	7.28
Flash Point, (°F)	315
Pour Point, (°F)	-67
Aniline Point, (°F)	172
Viscosity,	
cSt @ 40°C	9
cSt @ 100°C	2.3
SUS @ 100°F	56
SUS @ 210°F	34
Viscosity Index	72
Approved Antioxidant Content (wt %)	0.26
Corrosive Sulfur	Noncorrosive
Neutralization No.	<0.01
Acid/Sludge Test (72 hrs)	0.01
Acid/Sludge Test (162 hrs)	0.03
RBOT (ASTM D-2272, min)	300
Dielectric Breakdown Voltage at 60 hertz,	
Disc electrodes (kv)	47
VDE electrodes (kv)*	
@ 0.040 inch gap	32
@ 0.080 inch gap	60
Power Factor at 60 hertz (%),	
25°C	0.003
100°C	0.087
Gassing Tendency (cc/min at 80°C)	-14.5
Moisture (ppm, max)	20
Interfacial Tension at 25°C (dynes/cm)	46
Polychlorinated Biphenyls (PCBs)	Nil
ASTM Color	0.5

*Applies only to new oil that has been filtered, dehydrated and degased.

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