



CITGO® Transformer Oil N-II

OVERVIEW



- Highly refined naphthenic Type II inhibited transformer oil.
- Meets the requirements of ASTM D3487 Type II specification.

FEATURES & BENEFITS



- Excellent dielectric properties*.
- High thermal stability and resistance to oxidation.
- Rapid heat transfer properties.
- Excellent insulating properties.
- Does not contain any PCBs.
- Outstanding low-temperature properties.
- Compatible with components used in transformers.

*Note: Oil must be kept clean and dry. Contamination with any amount of water will significantly decrease the dielectric strength. Drums should be stored indoors and covered to protect oil from contamination.

APPLICATIONS



- Recommended for use in:
 - Oil-immersed transformers.
 - Circuit breakers and switches.
 - Other oil-immersed electrical equipment.
- Meets or exceeds the following requirement:
 - ASTM D3487 Type II Inhibited Oil
- Always consult your owner’s manual for proper fluid recommendations and warranty requirements.

PROPERTIES



Typical Properties for CITGO Transformer Oil N-II:

Material Code	669490001
Gravity, ASTM D4052, °API	31.3
Specific Gravity, ASTM D4052 at 15°C	0.8811
Density, lb/gal	7.24
Flash Point ASTM D92, °F (°C)	293 (145)
Viscosity ASTM D445:	
cSt at 0°C	59.39
cSt at 40°C	9.66
cSt at 100°C	2.40
SUS at 100°F	60.3
Pour Point ASTM D97, °F (°C)	-77 (-63)
Color, ASTM D1500	L0.5
Aniline Point, ASTM D611 °F (°C)	170.5 (77.0)
Water Content, ASTM D1533, ppm	11
Corrosive Sulfur, ASTM D1275 (Method B)	Noncorrosive
Dielectric Strength @ 60 Hz, kV, ASTM D877	41
Interfacial Tension @ 25C, dynes/cm, ASTM D971	50.0
Neutralization Number mg KOH/g, ASTM D974	0.012
PCB Content, ASTM D4059, ppm	<1

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