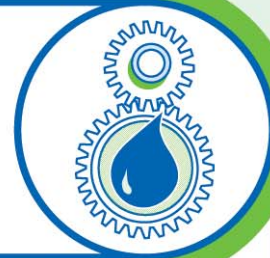


NEUTRONLUB

THE BEST HI-TECH FLUID & COMPOUNDS - USA



NEUTRON 959 TO

High Voltage Insulating Oil

NEUTRON 959 TO High Voltage Insulating Oil is a highly refined electrical insulating oil developed to give superior performance in electrical transformers, switch gears and X-ray equipment. It is available in one viscosity grade: ISO 10.

NEUTRON 959 TO has a high dielectric strength for excellent insulating characteristics and a low-power factor that guards against loss of electrical energy through heat. It is thermally stable and contains an oxidation inhibitor to minimize the formation of acids and sludge under severe service conditions, thus providing extended service life compared with non-inhibited transformer oils. This product meets the requirements for ANSI/ASTM D3487 Type II insulating oil. It does not contain any PCBs.

NEUTRON 959 TO High Voltage Insulating Oil has better heat transfer properties than silicone oils. Its low Pour Point allows good low temperature fluidity and ensures effective performance even in cold ambient temperatures. It is non corrosive to copper and copper alloys.

Applications

- Oil-immersed transformers
- Arc-forming equipment such as:
 - Circuit breakers
 - Switches
 - Electrical fuses
 - Tap changers

Recommended For:

- ANSI/ASTM D3487 Type II Insulating Oil
- Federal VV-I-530A, Class II Specification
- GE A13A3A2 (10CA) Specification
- IEC 296 Class IIA Specification
- NEMA Type II TR-P8-1975 Specification
- Westinghouse PD 55822 AV Rev. 5-WEMCO
- CI Specification

Outstanding Features

- Excellent insulating characteristics
- High-dielectric strength(1)
- Low Power Factor
- Inhibited to minimize the formation of acids and sludge from oxidation

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- Better heat transfer properties than silicone oils
- Good low-temperature fluidity
- Non corrosive to copper and copper alloys

TECHNICAL INFORMATION

	ASTM TEST	RESULT
SPECIFIC GRAVITY @ 15°C	D - 4052	0.890
KINEMATIC VISCOSITY	D - 445	24.6
	at 20°C	
	at 40°C	10
	at 100°C	3.0
FLASH POINT. °C	D - 92	156
POUR POINT. °C	D - 97	-50
DIELECTRIC STRENGTH		
	as Delivered (1) KV	IEC 156
Dried and Filtered Oil (2) KV	IEC 296	70
ARTIFICIAL AGING	IEC 1125C	0.01
Sludge, % Weight		0.01
Neutralization, MgKOH/g (Colorimetric Acidity)		

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