

## FIDELITY RACING® DIA S4 ZX-I TRANSFORMER OIL

### Premium Inhibited Electrical Insulating Oil

**Fidelity Racing® DIA S4 ZX-I Transformer Oil** is the new electrical insulating oil designed to meet the challenges presented by the latest power transformers. It offers an extended oil life with the peace of mind of zero sulphur content.

**Fidelity Racing® DIA S4 ZX-I Transformer Oil** is manufactured from zero sulphur base oils produced using GTL (gas-to-liquid) technology. These base oils offer a high degree of compositional consistency and have an excellent response to anti-oxidant. In addition they are globally available and free from PCBs, DBDS and passivators. **Fidelity Racing® DIA S4 ZX-I** meets both the established and new industry copper corrosion tests.

### APPLICATIONS:

- Oil-immersed transformers
- Circuit breakers & switches
- Fuses
- Tap changers
- Other oil-immersed electrical equipment

Transformer Oil meets the requirements of the following industry and OEM specifications

- ANSI/ASTM D3487-09 Type II Inhibited Oil
- British Standard BS 148, Class 1A
- Federal VV-I-530A, Class II Specification
- GE A13A3A2 (10CA)
- IEEE
- International Standard IEC 60296
- NEMA Type II (obsolete)
- Westinghouse Specification PDS 55822AG

### BENEFITS:

- Excellent insulating properties
- High dielectric strength (1)
- Low power factor
- Resists oxidation and deposit formation
- Excellent low-temperature properties
- Compatible with materials used in transformers
- Does not contain any PCBs

**TYPICAL CHARACTERISTICS**

<b>ISO Grade 10</b>	
Specific Gravity @ 60°F	0.805
Density, lbs/gal @ 60°F	7.39
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	191
Pour Point, °C (°F)	-42
Viscosity	
cSt @ 40°C	9.9
cSt @ 100°C	2.3
SUS @ 100°F	60.3
SUS @ 210°F	34.0
Viscosity Index	19
Acid Number, ASTM D974, mg KOH/g	<0.01
Aniline Point, ASTM D611, °C (°F)	75 (167)
Corrosive Sulfur, ASTM D1275B	Non-corrosive
Dielectric Breakdown Voltage <sup>(2)</sup>	
Disc Electrodes, 60 Hz, ASTM D877, kV	40
Oxidation Stability, RPVOT, ASTM D2272, minutes	500h/120°C
PCB Content, ASTM D4059, wt %	None
Power Factor @ 60 Hz, ASTM D924	
@ 25°C (77°F), %	0.003
@ 100°C (212°F), %	0.074
Water, ASTM D1533, wt %	0.0085

<sup>(2)</sup> At the point of manufacture

*The above characteristics are average values based on recent production.*

*Minor variations which do not affect product performance are to be expected in normal manufacture.*

**WARNING:**

Continuous contact with used oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children. Don't pollute. Conserve resources. Return used oil and bottle to collection centers.