

FIDELITY RACING®
LIBRA (IEC 60296, ED. 4) – TRANSFORMER OIL

FIDELITY RACING® LIBRA (IEC 60296, ED. 4) - TRANSFORMER OIL has been specially developed for use in oil-filled electrical equipment – including power and distribution transformers, rectifiers, circuit breakers and switchgears.

APPLICATIONS:

Recommended for use in oil-filled electrical equipment

BENEFITS:

- Good heat transfer. Thanks to low viscosity and viscosity index, this standard grade offers extremely good heat transfer characteristics, ensuring heat is efficiently removed from core and windings.
- Reliable oxidation stability. Developed and formulated to deliver good resistance to oil degradation, this grade also provides good oxidation stability for enhanced transformer life and minimum maintenance.
- Very good low temperature properties. Naphthenic characteristics allow the transformer to start at the lowest possible temperature – without using pour point depressants.
- High dielectric strength. This insulating oil both meets and exceeds the toughest demands on dielectric strength – when stored and handled correctly.

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

PHYSICAL AND CHEMICAL PROPERTIES

APPEAREANCE	
Physical State	Liquid
Colour	Light Yellow
Odour	Odourless/Light Petroleum
Odour Threshold	Not available
pH	Not applicable
Melting point/freezing point	-51°C
Initial boiling point and boiling range	Not available
Flash Point	Closed Cup: >140°C [Pensky-Martens]
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure (Calculated)	<0,01 kPA [room temperature]
Density	0,88 g/cm ³ [15°C]
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	>200°C
Decomposition temperature	>280°C
Viscosity	Kinematic (40°C): 0,096 cm ² /s (9.6 cSt)
Explosive properties	Not available
Oxidising properties	Not available
DMSO extractable compounds for base oil substance(s) according to IP346	<3%

*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.