

ADNOC TRANSFORMER OIL INHIBITED

DESCRIPTION

ADNOC TRANSFORMER OIL INHIBITED is a fully inhibited transformer oil manufactured from refined high quality oil, having inherently high thermal and oxidation stability needed to meet requirements for inhibited insulating oils. It meets the latest international standard IEC 60296 (03) superseding the previous International IEC 296 Class IA & Class IIA and BS 148 Class IA & Class IIA standards. It contains special anti-oxidant additive to make this grade have an exceptional oxidation stability.

ADNOC TRANSFORMER OIL INHIBITED has the lower viscosity and pour point needed for meeting Class IIA specifications and hence can be used in cold climates.

ADNOC TRANSFORMER OIL INHIBITED does not contain polychlorinated biphenyls (PCBs).

APPLICATIONS

ADNOC TRANSFORMER OIL INHIBITED is recommended for use as an electrical insulating oil in electrical transformers and switchgear, and also in other types of equipment where an oil of high thermal and oxidation stability is required to act as a cooling and insulating medium. It is suitable for use where good gas absorbing properties are necessary.

BENEFITS

- › Good insulating properties, indicated by high dielectric strength and low dielectric loss tangent (power factor).
- › Good cooling, heat transfer and fluid flow characteristics due to low viscosity and density.
- › Excellent oxidation stability minimizes development of sludge and acidity in storage and service.
- › Good gas absorption properties.
- › Good low temperature fluidity

PERFORMANCE

BS 148

TYPICAL PRODUCT CHARACTERISTICS

Property	Value (Typical)
ADNOC Transformer Oil Inhibited	—
Minimum	Typical
Density @ 20 oC , Kg/ liter	0.8765
Kinematic Viscosity, cSt @ -30oC	1800
Kinematic Viscosity, cSt @ 40oC	9.38
Flash Point, PMCC, oC	152
Pour Point, oC	-58
Antioxidant , % Wt	0.08
Neutralization Value, mgKOH/g	0.006
Corrosive Sulfur,	Non corrosive
Dissipation Factor @ 90 oC	0.005
Breakdown Voltage Before Treatment, kV	30
Breakdown Voltage After Treatment, kV	70
Water Content mg/Kg	12
PCB, ppm	Not detectable

Data for reference only. Consult Lubesouq for current OEM specifications.