

DESCRIPTION

LUBRALL TRANSFORMER OIL is designed for human safety and free from carcinogenic Poly chlorinated Bi-phenyls (PCB) and Poly aromatic hydrocarbon (PAH).

PROPOSED USAGE

- Electric transformers
- Switch gears
- Circuit breakers which require insulating fluids
- Has very high oxidation stability
- Excellent ageing properties resulting in long product life

MEETING SPECIFICATION

LUBRALL TRANSFORMER OIL exceeds IS: 335

PHYSICO-CHEMICAL PROPERTIES

Appearance	Clear and transparent and free from suspended matter of sediments
Density at 29.5 °C, g/cc	0.8279
Kinematic viscosity, cstAt 27°C At 40°C	16.46 11
Interfacial tension at 27°C	0.044 N/m
Flash point pen sky-marten (closed),°C	172
Pour point, °C	-18
Neutralization value, mg KOH/g a) Total acidity b) Inorganic acidity/alkalinity	Nil Nil

Corrosive sulphur	Non corrosive
Electric strength (breakdown voltage) –kV(rms) a) New unfiltered oil	72
Dielectric dissipation factor at 90 °C	0.00025
Specific resistance (resistivity) a) A:90 °C b) A:27 °C	750x10 ¹² ohm-cm 11300x10 ¹² ohm-cm
Oxidation stability a) Neutralization value after oxidation, mg KOH/g b) Total sludge after oxidation,% by wt.	0.4 0.1
AGEING CHARACTERISTICS AFTER AGEING	
Open breaker method with copper characteristics	
Specific resistance (resistivity) a) A:27 °C b) A:90 °C c) dielectric dissipation factor at 90 °C d) total acidity e) total sludge	350x10 ¹² ohm-cm 19x10 ¹² ohm-cm 0.0025/2.08 DC NIL NIL
Presence of oxidation inhibitor,% by wt	Absent
Water content, mg/kg(ppm)	50
SK value (%)	1