

## 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	16.46
At 40°C	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	Nil
b) Inorganic acidity/alkalinity	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	750x10 <sup>12</sup> ohm-cm
b) A:27 °C	11300x10 <sup>12</sup> ohm-cm
Oxidation stability	
a) Neutralization value after oxidation, mg KOH/g	0.4
b) Total sludge after oxidation,% by wt.	0.1
<b>AGEING CHARACTERISTICS AFTER AGEING</b>	
Open breaker method with copper characteristics	
Specific resistance (resistivity)	
a) A:27 °C	350x10 <sup>12</sup> ohm-cm
b) A:90 °C	19x10 <sup>12</sup> ohm-cm
c) dielectric dissipation factor at 90 °C	0.0025/2.08 DC
d) total acidity	NIL
e) total sludge	NIL
Presence of oxidation inhibitor,% by wt	Absent
Water content, mg/kg(ppm)	50
SK value (%)	1