



**PRODUCT DESCRIPTION**

PSO Transformer Oil is a pure mineral hydrocarbon oil, specially refined and blended with selected base oils having properties of insulating coils of transformers, switches and circuit breakers, both electrically and thermally. The oil is refined in such a way that it imparts exceptional high oxidation resistance and high resistance against gas formation. The oil shows a high degree of dielectric properties and resistance to power losses. Well-stabilized methods are used to control the quality of the oils in order to meet international specification standard and ensure maximum trouble free service.

**APPLICATION**

- The insulating cooling oil is used in electrical transformers, oil merged switchgears, circuit breaker, oil filled capacitors and tap chargers.

**PERFORMANCE STANDARD**

PSO Transformer Oil endorses the following performance standard:

- IEC 60296

**BENEFITS**

- High dielectric strength maintains the efficiency of the transformer.
- Excellent thermal conductivity dissipates the operational heat of transformer’s components and keeps them cool to ensure extended service life.
- Highly refined base oil with low temperature properties controls deposit and sludge formation, thus extending lubricant service life and maintaining transformer efficiency.

**PRODUCT CHARACTERISTICS\***

PROPERTIES	METHOD	TYPICAL RESULTS
Density @ 20 °C	ISO 12185	0.87
Kinematic Viscosity @ 40 °C	ISO 3104	11
Kinematic Viscosity @ -20 °C	ISO 3104	< 800
Flash Point (COC), °C	ISO 2719	145
Pour Point, °C	ISO 3016	-33
Acidity, mg KOH/g	ISO 62021-1	< 0.01
Corrosive Sulphur	IEC 60296	PASS
Dielectric Dissipation Factor@90 °C	ISO 60247	0.003
Interfacial Tension, mN/m	ASTM D 971	> 40
Breakdown Voltage, kV, (BT) max.	IEC 60156	50
Breakdown Voltage, kV, (AT) min.	IEC 60156	80
Oxidation Stability@120C (164hrs)	IEC 61125 C	
Total Acidity, mg KOH/g		< 1.2
Sludge, %		< 0.8
Water Content PPM, max	IEC 60814	15

\* These typical characteristics mentioned are based on current mean values.



**HEALTH & SAFETY**

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



**ENVIRONMENT PROTECTION**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



**ADVICE**

Advice on application not covered in this leaflet, may be obtained from PSO representative.