



PACIFIC TRANSFORMER OIL

Introduction : Pacific Transformer oil is high quality insulating oil formulated for use in Electrical Power Transformers, oil bath circuit breakers & isolators. It is manufactured from refined hydrocarbon molecules so that it can serve for long time.

Application : It is used as insulating oil for high voltage transformers, circuit breakers & isolators, installed in power generating plants, step up & step down power sub-stations and in power distribution transformers of industrial & commercial units.

Performance Benefits :

1. High Flash Point.
2. Superior Interfacial Tension.
3. Resists oxidation & deposit formations
4. Superior Electrical Properties.

Specifications : Conforming to IS- 335 Performance Level.

Characteristics :

1. Appearance	Clear, Transparent & free from suspended matter or sediments
2. Density at 27°C g/cm	(max) 0.845
3. Kinematic Viscosity at 27°C CSt (max)	16
4. Interfacial tension, N/m at 27°C (min)	0.042
5. Flash Point Pensky-Marten Closed °C (min)	174
6. Pour Point °C, (max)	-18
7. Neutralisation Value	
(a) Total Acidity, gmKOH/g (max)	0.002
(b) Inorganic Acidity/alkalinity	Nil
8. Corrosive sulphur (in terms of classification of copper strip)	Non Corrosive
9. Electric Strength (Breakdown, Voltage) KV (rms) min	
(a) New unfiltered Oil	30
(b) After filtration	60
10. Dielectric Dissipation factor (tan delta) at 90°C (max)	0.002
11. Specific resistance (Resistivity)	
(a) at 90°C	50×10^{12}
(b) at 27°C	1500×10^{12}
12. Oxidation Stability	
(a) Neutralization Value after oxidation mg KOH/g (max)	0.2
(b) total Sludge, wt % after oxidation (max) by weight	0.05
13. Presence of oxidation inhibitor	Present
14. Water Content ppm (max)	50
15. Test on sample aged for 96 hours as per ASTM Open beaker method with Copper Catalyst	
(A) Specific resistance (resistivity) ohm-cm (min)	
(1) at 27°C	3.0×10^{12}
(2) at 90°C	0.3×10^{12}
(B) Dielectric dissipation factor (tan delta) 90°C max	0.2
(C) Total acidity mg KOH/g (max)	0.05
(D) Total sludge value % Wt (max)	0.05
16. S.K. Value % (Max)	8

Pack size : 210 Ltrs.

Precautions : This oil is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standard industrial & personal hygiene are maintained.

*These Specifications are of a Particular Lot they can differ from lot to lot but will not effect the performance of the oil