

POWEROIL TO NE

POWEROIL TO NE is highly stable Natural Ester based Transformer Oil with excellent Electrical, Chemical and Physical Properties meeting IEC 62770 -2013 standard.

| Sr No | Characteristics | Unit | Test Method | Guaranteed Data |
|-------|--|-----------------------|-----------------------------|---|
| 1 | Appearance | | Visual | Clear, free from sediments and suspended matter |
| 2 | Kinematic Viscosity at 100 ° C | mm ² / sec | ISO 3104 | Max. 15 |
| | at 40 ° C | | ISO 3104 | Max. 50 |
| 3 | Pour Point | ° C | ISO 3016 | ≤ -10 |
| 4 | Water content | mg /kg | IEC 60814 | ≤ 200 |
| 5 | Density at 20 ° C | kg/dm ³ | ISO 3675 or IEC 12185 | Max. 1.0 |
| 6 | Breakdown Voltage | kV | IEC 60156 (2.5 mm gap) | Min. 35 |
| 7 | Dielectric Dissipation Factor (Tan δ)at 90 °C & 40 to 60 Hz | | IEC 60247 | ≤ 0.05 |
| 8 | Soluble Acidity | mg KOH/g | IEC 62021-1 or 2 | Max. 0.06 |
| 9 | Corrosive Sulphur | | IEC 62535 or ASTM D 1275 B | Non Corrosive |
| 10 | DBDS | mg / kg | IEC 62697-1 | Below Detection limit |
| 11 | Total Additives | % | IEC 60666 | Max. weight fraction 5% |
| 12 | Oxidation Stability at 120 ° C, 48 Hrs. | | IEC 61125 Method C | |
| | Total Acidity | mg KOH /g | 1.9.4 of IEC 61125 : 1992 | ≤ 0.6 |
| | Viscosity increase at 40 ° C | % | ISO 3104 | Max. 30 % increase over the initial value |
| | DDF (Tan δ) @ 90 ° C | | IEC 60247 | ≤ 0.5 |
| 13 | Flash Point (PMCC) | ° C | ISO 2719 | ≥ 250 |
| 14 | Fire Point (COC) | ° C | ISO 2592 | > 300 |
| 15 | Biodegradation | | US EPA , OECD 301B,C of F | Readily Biodegradable |