

POWEROIL TO 20 BS X

POWEROIL TO 20 BS X is an Inhibited Transformer Oil meeting BS 148 Class IA: 1984 Standard Specification.

| Sr No | Characteristics | Unit | Test Method | Guaranteed Data | |
|-------|---|-----------------------|--|---|---------|
| | | | | Min | Max |
| 1 | Appearance | | Visual inspection of oil sample in transmitted light under a thickness of 10 cm at ambient temperature | Clear free from sediment and suspended matter | |
| 2 | Density at 20 ° C | g /ml | BS 4714 | | 0.895 |
| 3 | Kinematic Viscosity at 40 ° C | mm ² / sec | BS 2000 Part 71 | | 16.5 |
| | at - 15 ° C | | | | 800 |
| 4 | Flash Point, PMCC | ° C | BS 2000 Part 34 | 140 | |
| 5 | Pour Point | ° C | BS 2000 Part 15 | | - 30 |
| 6 | Neutralization value | mg KOH/ g | BS 2000 Part 1 | | 0.08 |
| 7 | Water Content, Bulk/ Drum, IBC | mg / kg | BS 6470 | | 30 / 40 |
| 8 | Breakdown Voltage | | BS 5874 | | |
| | As Delivered | kV | | 30 | |
| 9 | Dielectric Dissipation Factor (Tan δ) at 90 ° C & 40 to 60 Hz | | BS 573 | | 0.005 |
| 10 | Corrosive Sulphur Copper Strip, 140 ° C, 19 Hrs. | | BS 5680 : 1979 | Non Corrosive | |
| 11 | Anti-Oxidant additives | % | BS 5984 : 1980 | No Requirement | |
| 12 | Oxidation Stability at 120 ° C, 164 Hrs. | | BS 148 : 1984 Appendix A | | |
| | Total Acidity | mg KOH /g | | | 0.25 |
| | Sludge | % | | | 0.01 |
| | | | | | |
| | At 120 ° C , 500 Hrs. | | | | |
| | Total Acidity | mg KOH/g | | | 1.5 |
| | Sludge | % | | | 1.0 |
| 13 | Gassing Tendency at 50 Hz after 120 minutes | mm ³ / min | BS 5797 Method A | | + 5 |