



POWEROIL TO 10 BS

POWEROIL TO 10 BS is an Uninhibited Transformer Oil meeting BS 148 Class II : 1984 Standard Specification. It also meets the ASTM D 1275 B Test requirement for Corrosive Sulphur.

| Sr No | Characteristics | Unit | Test Method | Guaranteed Data | |
|-------|---|-----------------------|---|---|---------|
| | | | | Min | Max |
| 1 | Appearance | | Representative sample of the oil shall be examined in transmitted light under an oil depth of 100 mm at ambient temperature | Clear free from sediment and suspended matter | |
| 2 | Density at 20 ° C | Kg / dm ³ | BS 4714 | | 0.895 |
| 3 | Kinematic Viscosity at 40 ° C | mm ² / sec | BS 2000 Part 71 | | 11 |
| | at 20 ° C | | | | 25 |
| | at - 30 ° C | | | | 1800 |
| 4 | Flash Point, PMCC | ° C | BS 2000 Part 34 | 130 | |
| 5 | Pour Point | ° C | BS 2000 Part 15 | | - 45 |
| 6 | Neutralization Value | mg KOH/ gm | BS 2000 Part 1 | | 0.03 |
| 7 | Water Content , Bulk / Drum | ppm | BS 6470 | | 30 / 40 |
| 8 | Breakdown Voltage | | BS 5874 | | |
| | As Delivered | kV | | 30 | |
| 9 | Dielectric Dissipation Factor (Tan δ) at 90 ° C & 40 to 62 H: | | BS 573 | | 0.005 |
| 10 | Corrosive Sulphur Copper Strip, 140 ° C, 19 Hrs Copper Strip, 150 ° C, 48 Hrs | | BS 5680 : 1979 ASTM D 1275 B | Non Corrosive Non Corrosive | |
| 11 | Antioxidant Additives | % | BS 5984 : 1980 | Not Detectable | |
| 12 | Oxidation Stability at 120 ° C, 164 Hrs | | BS 148 : 1984 Appendix A | | |
| | Total Acidity | mg KOH /gm | | | 1.5 |
| | Sludge | % | | | 1.0 |
| 13 | Gassing Tendency at 50 Hz after 120 minutes | mm ³ / min | BS 5797 Method A | | + 5 |

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