

**DIVYOL TRANS-10 & 20**

**DIVYOL TRANS-10 & 20** is an Inhibited Transformer Oil meeting BS 148 Class I & Class II : 1984 Standard Specification. It also meets the ASTM D 1275 B Test requirement for Corrosive Sulphur.

| Sr. No. | Characteristics  | Unit                 | Test Method   | Specification of DIVYOL TRANS-10-BS-I ( BS 148 Class I ) | Specification of DIVYOL TRANS-20-BS-II ( BS 148 Class II ) |
|---------|--|----------------------|---|--|--|
| 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            | Clear free from sediment and suspended matter              |
| 2       | Density at 20°C (Max)  | kg/dm <sup>3</sup>   | BS 4714   | 0.895  | 0.895  |
| 3       | Kinematic Viscosity  | mm <sup>2</sup> /sec | BS 2000 Part 71   |  |  |
|         | a) at 40°C (Max)   |                      |   | 11   | 11   |
|         | b) at 20°C (Max)   |                      |   |  | 25   |
|         | b) at -30°C (Max)  |                      |   | No General Requirement                                   | 1800   |
|         | c) at -15°C (Max)  |                      |   | 800  | No General Requirement                                     |
| 4       | Flash Point, PMCC (Min)  | °C                   | BS 2000 Part 34   | 140  | 140  |
| 5       | Electric Strength Breakdown Voltage (BDV)  |                      | BS 5874   |  |  |
|         | a) As Delivered (Min)  | kV                   |   | 30   | 30   |
| 6       | Dielectric Dissipation Factor (Max) tan Delta at 90°C & 40 to 62 Hz                        |                      | BS 573  | 0.005  | 0.005  |
| 7       | Corrosive Sulphur Copper Strip, at 140°C, for 19 Hrs<br>Copper Strip, at 150°C, for 48 Hrs |                      | BS 5680 : 1979<br>ASTM D 1275 B   | Non Corrosive<br>No General Requirement                  | Non Corrosive<br>Non Corrosive                             |
| 8       | Anti Oxidant Additives   | %                    | BS 5984 : 1980  | Not Requirement  | Not Requirement  |
| 9       | Oxidation Stability at 120°C, for 164 Hrs  |                      | BS 148 : 1984<br>Appendix A   |  |  |
|         | a) Total Acidity (Max)   | mg KOH/gm            |   | 0.25   | 0.01   |
|         | b) Sludge (Max)  | %                    |   | 0.01   | 0.01   |
| 10      | Oxidation Stability at 120°C, for 500 Hrs  |                      |   |  |  |
|         | a) Total Acidity (Max)   | mg KOH/gm            |   | 1.5  | 1.5  |
|         | b) Sludge (Max)  | %                    |   | 1.0  | 1.0  |
| 11      | Gassing tendency at 50 Hz after 120 minutes (Max)  | mm <sup>3</sup> /min | BS 5797 Method A  | +8   | +8   |
| 12      | Pour Point (Max)   | °C                   | BS 2000 Part 15   | -30  | -45  |
| 13      | Neutralization Value (Max)   | mg KOH/gm            | BS 2000 Part 1  | 0.08   | 0.08   |
| 14      | Water Content  | ppm                  | BS 6470   |  |  |
|         | a) Bulk (Max)  |                      |   | 30   | 30   |
|         | b) Drum (Max)  |                      |   | 40   | 40   |

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