

TRANSOL GIS II

| S.N. | PROPERTY | TEST METHOD | LIMITS |
|--|--|-------------------------------|--|
| 1- Function: | | | |
| 1 | Viscosity at 40 °C | IS-1448 (Part 25) | 15 mm ² /s ,Max |
| 2 | Viscosity at 0 °C | IS-1448 (Part 25) | 1800 mm ² /s,Max |
| 3 | Viscosity at - 30 °C | IS-1448 (Part 25) | NA |
| | Viscosity at - 40 °C | IS-16084 | NA |
| 4 | Pour Point | IS1448(Part10/Sec2) | - 10 °C Max |
| 5 | Water Content | IEC 60814 | 1) 30 mg / kg)Max for Bulk Supply 2) 40 mg/kg Max for Drum Supply |
| 6 | Breakdown voltage | IS 6792 | i) 30 Kv Min Delivered ii) 70 kV after Treatment |
| 7 | Density at 20 °C | IS 1448(Part 16) | 0.895 g / ml Max |
| 8 | DDF at 90 °C | IS 16086 / IEC 60247 | 0.005, Max |
| 9 | Particle content | IS 13236 | No general requirement |
| 2 - Refining / Stability | | | |
| 10 | Appearance | - | Clear, free from sediment and suspended matter |
| 11 | Acidity | IEC 62021 - 1 | 0.01mg KOH / gm Max. |
| 12 | Interfacial Tension mN/m | ASTM D971 | No general requirement |
| 13 | Total Sulphur Content | ISO14596orASTM D4294 | No general requirement |
| 14 | Corrosive Sulphur | DIN 51353 | Not corrosive |
| 15 | Potentially Corrosive Sulphur | IS 16310 | Not corrosive |
| 16 | DBDS | IS 16497 (Part 1) | Not detectable (< 5 mg/kg) |
| 17 | Inhibitors of IEC 60666 | IS 13631 | (U) Unhibited Oil; Not detectable(< 0.01%) |
| 18 | Metal passivator additives of IEC 60666 to IS13631 | IS 13631 | Not detectable (< 5 mg/kg) or as agreed upon with the purchaser |
| 19 | Other additives | - | NIL |
| 20 | 2 - Furfural & related comp.content | IS 15668 | Not detectable (< 0.05mg/kg) for each individual compound |
| 3 - Performance : | | | |
| 21 | Oxidation Stability | IS 12422 (method C) | |
| | | Test duration | |
| | | (U) Uninhibited Oil : 164 h | |
| a) | Total acidity | 1.9.4 of IS 12422 | 1.2 mg KOH / gm Max |
| b) | Sludge | 1.9.4 of IS 12422 | 0.8% Max |
| c) | DDF at 90 °C | 1.9.4 of IS 12422 | 0.500 Max |
| 22 | Gassing tendency | IEC 60628: 1985, Method A | No general requirement |
| 23 | ECT | See 6.14 | No general requirement |
| 4 - Health , safety and environment : | | | |
| 24 | Flash point | IS 1448 (Part 21) | 135 °C, Min |
| 25 | PCA content | IP 346 | 3.0 %, Max |
| 26 | PCB content | IS 16082 / ASTM-D 4059 | Not detectable (< 2 mg/kg) |

TRANSOL GIS TYPE II has excellent Electrical and Oxidation stability Properties . It is specially Manufactured from highly Refined Base Oil .The Product fully complies with Indian Standards IS 335-2018 TYPE II Uninhibited