



TRANSFORMER OIL

Description

A high quality insulating oil with high dielectric strength, high chemical stability and very good water separation properties. Transformer Oil is manufactured to the British Standard Specification BS 148:1972. Its typical pour point of less than -30°C satisfies the BS requirement. It meets all the requirements of SABS555. Transformer oils are subject to operating temperatures from 35°C to 90°C, whilst "hot-spots" of 100°C and higher temperatures can greatly accelerate oxidation. Because of these conditions, good chemical stability is essential to prevent the formation of acidic materials which impair the insulating properties of the oil. The expected minimum service life of transformer oil is 15 years. To carry out its cooling and insulating functions with a minimum power requirement when pumped, and to ensure most effective heat removal when circulated by thermal action, minimum viscosity at operating temperature and good fluidity at low temperatures are essential.

Features/Benefits

- High chemical stability to resist formation of acidic materials and deposits
- Correct viscosity for ready flow and effective heat removal
- Very good water separation to ensure that insulating properties are not impaired

TECHNICAL DATA

TEST	TYPICAL RESULTS
Viscosity @ -15°C, cSt	375
Viscosity @ 20°C, cSt	33
Flash Point. Deg C, min	140
Water content, ppm max	35
Dielectric Strength, kV min	30
ISLS Grade	OTE-15