



BS 148 TRANSFORMER OIL

Performance Standards:

- As per BS-148 1984 CLASS 1 /IEC 296 CLASSI - Uninhibited

Product Specifications:

CHARACTERISTICS	TEST METHOD	SPECIFICATION	TEST RESULTS
A - Physical Properties	-148 /1984		
APPEARANCE	7.1	Clear, free from sediment & suspended matter	Clear, free from sediment & suspended matter
Density@29.5 o C, kg/dm ³	7.2	-----	0.825
Density@20o C, kg/dm ³		< 0.895	0.8310
Kinematic Viscosity, mm ² /s	7.3		
at 40 o C		< 16.5	8.86
at - 15 o C		< 800	245.38
Flash Point (PMCC), o C	7.4	> 140	150
Pour Point, o C	7.5	< = - 30	-45
Interfacial tension, N/m @ 25 o C	7.6	> 0.040	0.046
B- Electricals Properties			
Electric strength (Break down voltage)	7.12		
KV As delivered		> 30 KV	70
After Treatment		> 50 KV	-
Dielectric dissipation factor @ 90 o C & 40HZ-60HZ	7.13	< 0.005	0.0004
C- Chemicals Properties			
Neutralization Value, mg KOH/g.	7.7	< 0.03	0.0002
Corrosive Sulphur	7.8	Non-Corrosive	Non-Corrosive
Water content, ppm	7.9	< 40	12
Antioxidant additives, %	7.10	Absent	Absent
Oxidation Stability (164 hours)			
Neutralization Value, mg. KOH/g	11.07.1 / Appendix A	< 0.40	0.086
Sludge, % by Mass		< 0.10	0.005 %
PCB Content, ppm	ASTM - 4059	Not detectable	Not detectable
Gassing tendency @ 50 Hz after 120	7.14	< +5	2.0



HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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