

DESCRIPTION

Servoelectra Plus is a high quality inhibited insulating oil developed for the use in electrical transformers & circuit breakers. It is manufactured through special refining process selecting optimum types of hydrocarbons so that finished transformer oil provides longer service life. It does not contain Poly-Chlorinated Biphenyls (PCBs).

PERFORMANCE BENEFITS

- ❖ High di-electric strength
- ❖ High Flash point
- ❖ Superior Interfacial Tension (IFT)
- ❖ Superior TAN delta & Resistivity (Sp. Resistance)
- ❖ Resists oxidation & deposit formation
- ❖ Compatible with materials used in transformers
- ❖ Superior electrical properties ensuring safety around high voltage equipment

APPLICATION

Servoelectra Plus is recommended for use in all types of oil-filled transformers such as in applications of power generation, transmission & distribution. It can also be used in both large substations or small pole mounted transformers. It is suitable for use in circuit breakers, switches and any other oil immersed electrical equipment.

In order to maintain a high di-electric strength, the oil must be kept in clean & dry condition.

PERFORMANCE STANDARDS / CERTIFICATION

- ❖ Servoelectra Plus meets the requirements of IS 12463 – 1988 of inhibited transformer oil.
- ❖ Servoelectra Plus has been approved by Research Designs and Standards Organisation, Lucknow
- ❖ It has been evaluated & certified by Central Power Research Institute.

CHARACTERISTICS

GRADE	Servoelectra Plus (Typical)	IS 12463 – 1988
Kinematic Viscosity, cSt @ 27°C	21.5	27 (Max)
Flash point, °C, Min	178	140 (Min)
Corrosive sulphur,	Non-corrosive	Non-corrosive
Break down voltage, kV		
Unfiltered	44	30 (Min)
After filtration	67	60 (Min)
Sp. Resistance, x 10 ¹² , ohm-cm		
@ 27°C, Min	1950	1500 (Min)
@ 90°C, Min	110	35 (Min)
Di-electric dissipation factor, (TAN delta), @ 90°C, Max	0.0002	0.002 (Max)
Presence of oxidation inhibitor, % by wt.	0.25	0.30 (Max)

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

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