

ELECTROL[®]

TRANSFORMER INSULATING OILS



Raj Group



ELECTROL®

Range of high performance insulating oils are recognised as a leading brand within the Power industry.

Recognising the varied requirements for different applications and catering to various equipments like Ultra High Voltage transformers, Large and Medium Power Transformers, Distribution transformers, Instrument transformers, etc ELECTROL® premium insulating oils are offered in many grades to satisfy and exceed the adequacies of various applications.

ELECTROL® insulating oils are manufactured by adopting latest state-of -the-art technology in ISO certified facilities with the support of NABL accredited Laboratories.

ELECTROL® premium insulating oils perform exceedingly well in key performance criteria.

Formulated with judicious blend of severely refined hydro-cracked & hydro-treated virgin Mineral oils, ELECTROL® insulating oils offer very high degree of purity and oxidation stability thereby prolonging the life of power equipment.

ELECTROL® range of premium Uninhibited insulating oils are intended for use in standard equipment where normal operating conditions are envisaged.

ELECTROL® range of premium Inhibited insulating oils are recommended for operations at higher temperatures & requiring higher oxidation resistance.

ELECTROL® range of Inhibited High Grade oils are state-of-the-art oils highly suitable for special applications. These high grade oils manufactured from highest purity base stocks and fortified with suitable synthetic inhibitors which synergise very well with these oils, thereby exhibiting extremely long life and performance.

Use of these ELECTROL® Inhibited High Grade oils will result in longer equipment life with minimal need for oil maintenance over life span of the equipment, especially important in transformers with high criticality and high cost.



Features & Benefits

- Latest Refining Technology Provides Low viscosity oils offering excellent and fast heat transfer
- Good Low Temperature Properties
- Advanced Base Oil with Inherent Thermal & Oxidation Stability - Remarkably low sludge and acidity formation, results in longer life of oil and equipment
- Chemically pure base oils free from impurities especially sulphur and DBDS
- Free of PCA & PCB content
- Non corrosive as tested by all present and new methods, i.e. standard DIN & ASTM tests and new IEC 62535 :08
- Higher Flash point, resulting on Low evaporation losses and better safety
- Available in 'Gas absorbing' and 'Gas evolving' grades depending on end use requirement

Applications

Highly Suitable for all Grades of :

- UHV Power Transformers
- Large Power Transformers
- Medium Power Transformers
- Distribution Transformers
- Instrument transformers
- Circuit Breakers
- Oil filled switches
- X-ray equipment etc.



Performance Standards

ELECTROL® range of Transformer insulating oils are manufactured to various International, National, Regional, Transformer Manufacturers and Utility specified requirements.

India	: IS:335, IS:12463
International	: IEC 60296, ASTM D3487, BS 148
National	: JIS, AS, CAN/CSA, DIN, ANP
Manufacturer Specific	: BHEL, Areva, ABB, Siemens, CGL
Power Board / Utility / Other	: PGCIL NTPC, Indian Railways, Doble, EGAT, PLN, TEIAS

ELECTROL® Product Portfolio

ELECTROL® range of Transformer insulating oils are offered with varying bases to meet several specific international requirements - New Generation, Naphthenic & Blended bases.

UNINHIBITED	ELECTROL® ELECTROL® - A & B ELECTROL® - U
TRACE INHIBITED	ELECTROL® - T
INHIBITED ELECTROL® - X	ELECTROL® - IA & IB ELECTROL® - I
HIGH GRADES & SPECIAL GRADES	ELECTROL® - IH ELECTROL® - IH/SG ELECTROL® - HF300
NAPHTHENIC GRADES	ELECTROL® - U/N42 ELECTROL® - I/N42

Storage Precautions

Extreme care is taken while packing these products, including filling of drums in inert atmosphere as Electrical Insulating oils / Transformer oils are very sensitive to very minute concentrations of contaminants such as moisture, particulate matter, fibres, etc.

Hence, care should be taken to store ELECTROL® oils in a clean and dry condition. It is strongly recommended that all storage tanks / drums be maintained such that oil is not in contact with atmospheric air. Also oils should always be stored indoors in climate controlled environments away from moisture & sunlight.

