MOL TO 35K
non-inhibited insulating oil

MOL TO 35 K is a non-inhibited insulating oil, containing naphthenic base oils, having excellent electrical properties It does not contain an oxidation inhibitor additive. It complies with the new copper corrosion specifications introduced in the ASTM D 1275 B and IEC 62535 standards used by the electricity transmission industries. It does not contain PCB, PCT or furan compounds.

Application



Oil filled electrical equipment
Low and medium power transformers
Circuit breakers, oil-filled switches
For industrial use

Features and benefits

Long oil lifetime	Oil change and reconditioning costs can be reduced significantly
High breakdown voltage	Maintains insulating properties, even at high voltage, and protects from electric discharges Long, reliable operation
Low dielectric loss factor	Low dielectric loss, high equipment efficiency
Excellent heat transfer	The heat generated is rapidly conducted away from the surface of the coils, increasing equipment and oil service lifetimes
Excellent properties at low temperatures	Trouble-free heat transfer process within electrical equipment, even under winter weather conditions Problem-free starting even at low temperatures
Good oxidation stability	Slow natural ageing process, long equipment and oil lifetime Maintenance costs can be reduced
Non-corrosive	Complies with the copper corrosion requirements required by industry Protects parts from damage, giving increased equipment lifetime Contributes to achieving short-term return on investment

Specifications and approvals

ISO-L-N
IEC 60296 (2012)
IEC 60296 (2020) TVBU
IEC 296 Class I
BS 148 Class I
ÖVE-W50-1/(1)

Manufactured and distributed by MOL-LUB Ltd.
E-mail: lubricants@mol.hu Web: mollubricants.com
Technical service: H-1117 Budapest, Neumann János u. 1/E.
Tel: + 36 (1) 464-02-36 E-mail: lubtechdesk@mol.hu
Latest revision: 2021.11.29 10:26

Version: 011.001.000

MOL TO 35K
non-inhibited insulating oil

Properties

Properties	Typical values
Density at 15°C [g/cm3]	0,867
Kinematic viscosity at 20°C [mm2/s]	22,3
Kinematic viscosity at 40°C [mm2/s]	9,3
Pour point [°C]	-45
Flash point (Pensky-Martens) [°C]	140
Corrosive sulphur (on silver plate)	not corrosive
Corrosive sulphur (150 °C, 48 h)	not corrosive
Corrosive sulphur (150 °C, 72 h)	not corrosive
Breakdown voltage [kV]	
- before treatment [kV]	70
Dielectric dissipation factor at 90 °C, at 40-60 Hz	0,0003

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

Store in the original container in dry, properly ventilated area.
Keep away from direct flame and other sources of ignition.
Protect from direct sunlight.
During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.
For further details please read the Material Safety Data Sheet of the product.
In the original container under the recommended storage conditions: 24 months
Recommended storage temperature: max. 40°C

Manufactured and distributed by MOL-LUB Ltd.
E-mail: lubricants@mol.hu Web: mollubricants.com
Technical service: H-1117 Budapest, Neumann János u. 1/E.
Tel: + 36 (1) 464-02-36 E-mail: lubtechdesk@mol.hu