



**German Technology
Lubricants!**



**VELVEX
TRANSFORMER OILS
INSULATING OILS**





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VELVEX TRANSFORMER OILS INSULATING OILS

VELVEX Transformer oils are manufactured from a selection of hydro treated virgin base oils, adopting latest state of the art technology to produce a finished product that plays a vital role in protecting and insulating the key components of the transformer.

Mainly serves:

- Liquid insulation in Power transformers
- Dissipates heat of the transformer i.e acts as a coolant
- Preserve Core & winding
- Prevents direct contact of atmospheric oxygen with cellulose made paper insulation of windings, which is susceptible to oxidation

VELVEX range of transformer oils are manufactured to various international, national, Regional, Transformer manufactures and Utility specific requirements.

Based upon the present international standards and specific requirements, we offer transformer oils on following major categories

- Uninhibited Transformer oil - Recommended for standard equipment, operates at normal conditions.
- Inhibited Transformer oils - Recommended for operations at higher temperature & where higher oxidation resistance is required.
- Trace inhibited transformer oils
- Specialty High Grade Transformer oils



GRADES	Description	Conforming Standards
VELVEX UT	Uninhibited Transformer oil	Meeting BIS: IS : 335 (Reaffirmed 2005)
VELVEX- 60296 UT	Uninhibited Transformer oil	Meeting IEC : 60296-2-12-02 Edition 4.0 / ASTM D1275 B for corrosive sulphur
VELVEX - 296 UT	Uninhibited Transformer oil	Meeting IEC -296 Class I : 1982
VELVEX - 148 UT	Uninhibited Transformer oil	Meeting BS 148 Class I : 1984
VELVEX - 296 IT	Inhibited Transformer oil	Meeting IEC 296 Class I A : 1982
VELVEX - 12463 - IT	Inhibited Transformer oil	Meeting BIS : IS : 12463/1988
VELVEX - 148 IT	Inhibited Transformer oil	Meeting BS 148 Class I A : 1984
VELVEX - 60296 HGIT	High Grade Inhibited transformer oil	Meeting IEC : 60296-2-12-02 Edition 4.0 / ASTM D1275 B for corrosive sulphur
VELVEX - 60296 TIT	Trace Inhibited Transformer oil	Meeting IEC : 60296-2-12-02 Edition 4.0 / ASTM D1275 B for corrosive sulphur
Please refer MSDS for storage and safety precautions		

VELVEX's Velvet touch:

- Optimum Insulation: High BDV, high interfacial surface tension and the absence of polar impurities ensure optimum insulation and protection of the transformers.
- Higher flash point, resulting on low evaporation losses and better safety
- Low Viscosity ensures good fluidity and heat transfer capabilities to maintain appropriate temperatures
- Higher Resistivity : High Insulation resistance between transformer windings prevent damage & reduce downtime
- Highly Refined Oil with advanced base oil technology, Ensures Oxidation stability & Longer life of oil
- Non Corrosive: Highly refined with low sulfur content, hence non corrosive in service, free from DBDS and PCB



Depending upon the carbon composition, transformer oils are classified & Velvex offers the complete range in both categories

- Paraffinic transformer oils
- Naphthenic transformer oils

APPLICATIONS:

- EHV / UHV Power Transformers
- Large Power Transformers
- Medium power transformers.
- Distribution transformers
- Instrument transformers
- Circuit breakers
- Oil filled switches
- X ray equipments etc.,

Delivery options:

- Delivered typically in epoxy coated MS drums, HDPE drums, tank-trucks, flexi-tank , ISO tanks on FOB, CIF, DDU, DDP & other customer required terms.,

Manufacturing Plants

NPL has three manufacturing plants for Lube Oil Blending, Transformer Oil, Liquid Paraffin/White Oil refining, Rubber Processing Oil and Grease manufacturing with a Total capacity of 1,02,000 MT.

Our plants are ISO 9001 & 14001 certified with international standard state of art infrastructure with in-house LAB | R&D facilities.

Lube Oil Blending Plants



Plot No. J-26, MIDC, Talaja



Plot No. J-34, MIDC, Talaja



Plot No. 96/1, Falandi, Silvassa

Grease Plant



Plot No. J-26, MIDC, Talaja



Nandan Petrochem Limited

Company Overview

Nandan Petrochem Ltd (NPL) was founded in the year 1992 with the objective of manufacturing and marketing Automotive & Industrial Lubricating Oils, Greases, Specialty Products, etc. NPL started its operations with contract blending & filling for Public Sector undertakings (PSUs). NPL assisted top notch Multi-National Companies (MNCs) to roll out their international brands by providing them NPL's state of the art Lube Oil Blending Plants as per Global Standards. By virtue of Technical Collaboration Agreement with Meguin GmbH, Germany and being the oldest and largest contract manufacturer in the country, NPL has access to the latest technology in Oils and Greases. Over the years, NPL has developed an expertise for manufacturing tailor made Genuine Lubricating Oils and Greases for major OEMs in India.

Now NPL has ventured into manufacturing of Transformer oils, White oils, Rubber process oils, Industrial oils & other specialties extending its portfolio to cater complete lubrication solutions.

Vision

"To be a leading manufacturer of Genuine Oils, Greases & Specialty Oils with a significant Pan India presence in the Lubricating Oil Market, continuously driven by innovation to enhance stakeholder value and growth opportunities for employees."

Mission

"To Always provide quality products and services to its customers at the right price and at the right time through an efficient system."



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