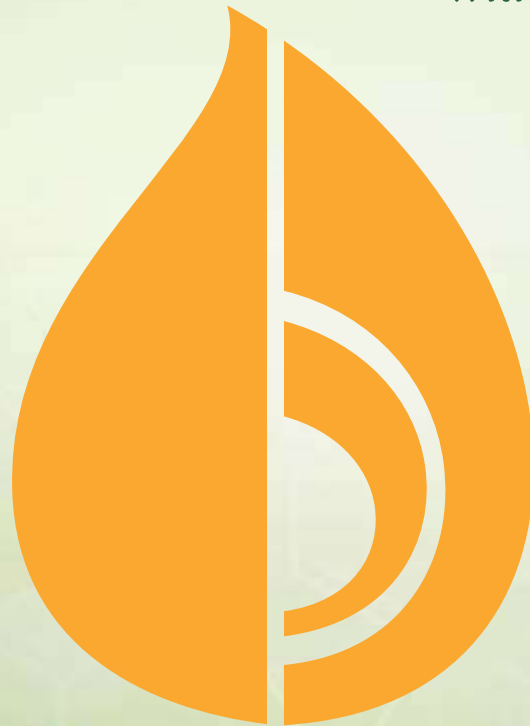


Building a strong economy
with quality products.



We provide - Consistency, Quality, Service, Economy

Plant: Dahej, Gujarat



Fuelling Constant Growth





We are Panama Petrochem Ltd.

Panama Petrochem Ltd. was established in 1975. Today, we are one of the leading manufacturers and exporters of Petroleum Speciality products in the world. With four manufacturing plants across India, Panama Petrochem Ltd. manufactures more than 80 product variants. These are vital for various industries like Inks and Resins, Textiles, Rubber, Pharmaceuticals, Cosmetics, Power, Cables and other industrial purposes.

With a belief that 'Change' is the only constant force, we continuously focus on innovation in our service and products. We have a nationwide presence that has been continuously growing stronger with our four manufacturing plants and a fully equipped R&D Center in Ankleshwar, Gujarat.

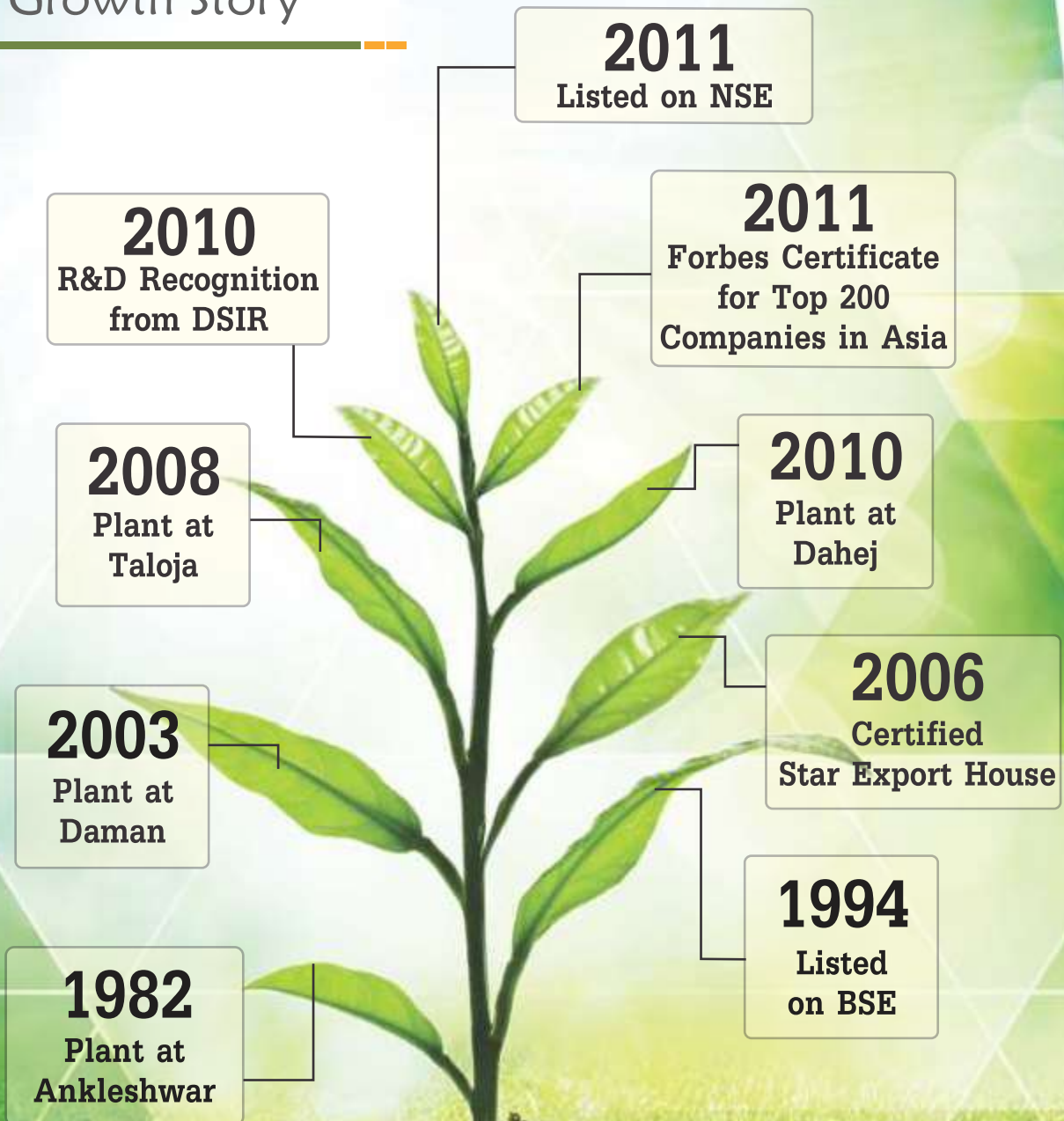
We Believe

Panama Petrochem Ltd. continuously provides quality products and services. With a strong focus towards meeting global standards of manufacturing and quality management, continual improvement in products and processes and a strong commitment for team work, we strive to be a global name in the Petrochemical Industry.





Our Growth Story





Our Infrastructure

Panama Petrochem Ltd. has four manufacturing units in India with state-of-the-art technology and storage facilities located at Ankleshwar (Gujarat), Daman (Union Territory), Dahej (Gujarat) and Taloja (Dist. Raigad). The plant at Dahej is a fully computerized plant built on DCS/PLC systems to meet international quality and manufacturing standards. Our Ankleshwar plant has a fully equipped and DSIR approved R&D Center.



Moving Ahead with Innovation

Recognized by Ministry of India's Department of Scientific and Industrial Research (DSIR), our R&D facility is equipped with modern instruments and lab equipments which enable us to develop new as well as customized products.

We Stand for Quality

Before charging any batch, each raw material is passed through our Quality Control Lab for its approval. The approved raw material is then charged to prepare the different PANOL batches. All these finished PANOL batches undergo further quality testing on advanced analytical & monitoring equipments. Our quality control lab is engaged to ensure that the product parameters match the national and internationally specified standard parameters and they are consistently maintained.





Our Presence in the Industry

Rubber Industry

Textile Industry

Ink & Coatings



Pharma & Cosmetics

**Automotive &
Industrial Sector**

Power & Cable

PANOL Product Range

Industrial Oils

- Circulating Oils (R & O Type)
- Circulating Oils (Antiwear Type)
- Circulating Oils (HLP Type)
- Turbine Oils
- High Speed Spindle Oils
- Stationary Diesel Engine Oils
- General Machinery Oils
- Gear and Bearing Lubricants
- High Speed Machinery Lubricant
- Machine Tool Way Oils
- Industrial Gear Oils
- Steam Cylinder Oils
- Sugar Lube Oils
- Air Tool Oils
- Open Gear and Wire Compounds
- Refrigeration Oils
- Quenching Oils
- Rust Preventives
- Heat Transfer Oils
- Glass Mould Oils
- Cement Mould Oils

Metal Working Products

- Neat Cutting Oils
- Honing Oils
- Emulsifiable Machine Coolant
- Synthetic Coolants
- Semi Synthetic Coolant
- Drawing Lubricant
- Spark Erosion Oils
- Rolling Oils

Industrial Greases

- High Temperature Greases
- Molyplex Greases
- Multipurpose Greases
- Heavy Duty Bearing Greases
- Graphite Greases
- Long Life High Performance Greases

Rubber Process Oils

- Aromatic
- Naphthenic
- Paraffinic
- Low PCA Oils
- Anti Ozonant Waxes
- Waxes

Transformer Oils

- Transformer Oils Complying
- IS 335
 - IEC 296 Class I & II
 - IEC 60296
 - BS 148 Grade I & II

Cable Compounds

- Cable Filling Compounds
- Cable Flooding Compounds (Thixotropic and Non-Thixotropic)
- Cable Oils

Pharma and Cosmetic Grade Products

- Light Liquid Paraffin (IP, BP, USP, EP)
- Heavy Liquid Paraffin (IP, BP, USP, EP)
- White Oils / White Mineral Oils
- Petroleum Jelly (IP, BP, USP, EP & Technical Grade)

Textile Lubricants

- Antistatic Coning Oils
- Knitting Oils
- Loom Oils

Ink Oils

- Petroleum Distillates
- Napthenic Oils
- Black Ink Base Oil
- Bituminous Oils
- LAWS (MTO)
- Petrolatum

Automotive Oils

- Eco Friendly Motor Oils
- New Generation Diesel Engine Oils
- Low Emission CNG Engine Oils
- Marine Type Engine Oils
- Tractor Oils
- Pump Set Oil
- 2 & 3 Wheeler Engine Oils
- High Performance Gear Oils
- Automotive Greases
- Brake Fluids
- Radiator Coolant



Industrial Lubricants

We at Panama Petrochem Ltd. manufacture a wide range of Industrial / Automotive Oils and Lubricants, with sophisticated and precise blending, at our state-of-the-art Ankleshwar and Daman blending plants. These lubricants are manufactured utilizing Hydrotreated and Hydrocracked Base Oils, which provide a distinct advantage in performance over other similar products that are made by utilizing conventional base oils. Multinational oil companies adopt these types of base oils worldwide.

- PANOL has a comprehensive range comprising of more than 150 Grades of Oils and Lubricants
- Offers Hydraulic Oils, Gear Oils, Compressor Oils, Long Life Turbine Oils, Cylinder Oils, Refrigeration Oils, Metal Working Fluids, Marine Oils, Wire Drawing Compounds, Automotive Engine Oils, Gear Oils, Transmission Fluids, Glass Mould Oils, Mould Release Oils, Quenching Oils, Thermic Fluids, Industrial and Automotive Greases, etc.
- Also includes speciality Industrial Oils for specific applications meeting the latest BIS and International Standard Specifications







Rubber Process Oils

Rubber Process Oils are widely used across various industries and are popular as safe and environment friendly products. We offer different grades of superior quality Rubber Process Oils which are used for the manufacturing of various rubber products, from both natural as well as synthetic rubber.

■ PANOL C 160-A

Panol C 160-A is an Aromatic type of Rubber Processing Oil, formulated from specially selected aromatic furfural extracts with higher aromatic content. It is available with different viscosities as required for different applications.

- High rubber and polymer solvency
- Widely used in the manufacturing of automotive tyres and tubes, bi-cycle tyres, tyres retreading materials, belting, hoses, battery containers, extruded products and technical moulded goods
- Highly suitable for Natural Rubber, Styrene Butadiene Rubber, Polybutadiene Rubber and Neoprene Rubbers
- Offers good compatibility and is suitable for use with Natural Rubber, SBR, PBR, CR etc.

■ PANOL C 160-P

Panol C 160-P are Paraffinic type Rubber Processing / Extender Oils formulated from highly refined solvent extracted base stocks of low sulphur content.

- These oils are used in the manufacturing of butyl tubes and a variety of technical moulded and extruded products based on polar rubbers like EPM & EPDM etc.

- They have good thermal stability and are suitable in the manufacture of light coloured products and because of their high paraffinic content and viscosity, these oils are preferred for achieving high retention of properties after ageing and higher loading of oil
- They are used for heat resistant conveyor belts and steam hoses

■ PANOL C 160-N

Panol C 160-N series grades are Napthenic type Rubber Processing / Extender Oils formulated from carefully selected Hydrotreated Napthenic base stocks.

- These are non-staining in nature and posses excellent thermal, oxidation and colour stability
- They are recommended in the manufacture of automotive tubes, light coloured non-back footwear products and also moulded and extruded goods
- They are compatible for processing with NR, SBR, PBR, Butyl and EPDM rubbers
- Special tailor-made blends are also available for TPR and other specific applications

■ SPECIALITY RUBBER PROCESS OILS

We manufacture and offer Speciality Rubber Process Oils meeting European Regulation for non carcinogenic oils. We have a wide range of Mild Extracted Solvent (MES), Residual Aromatic Extracted Solvent (RAE) and Treated Distillate Aromatic Extracted Solvent (TDAE).



Transformer Oils

PANOL Transformer Oils are manufactured from selected, severely Hydrotreated Naphthenic & Isodewaxed / Hydrocracked Paraffinic Oils and Naphthenic Oils that are free from polar compounds. They have very high oxidation stability and ageing properties that provide an extended service life. The low sulphur and wax free Naphthenic Oils along with low Viscosity Index ensure excellent cooling characteristics, high solvency and low corrosivity. The highly refined Ultra Low Sulphur Paraffinic Oils ensure excellent non-corrosive properties. These optimally refined Transformer Oils also possess very good electrical and insulating properties, oxidation stability and controlled low or negative gassing tendency. Extensive efforts are taken to upgrade these oils to meet the latest and stringent control requirements of non-corrosive oils.

We manufacture Transformer Oils that meet the following standards:

- IS 335: 1993
- IEC 296 Class I & II
- IEC 60296
- BS 148 Grade I & II

Benefits of Transformer Oils:

- Excellent electrical insulating properties and functions to insulate, suppress corona & arcing and serves as a coolant
- Suitable for the use of electrical insulating and also as a good heat transfer medium
- Excellent oxidation stability
- High dielectric impulse strength
- Low electrostatic charging in operation
- Good resistance to breakdown voltage
- Used in oil-filled transformers, CTs, PTs, certain high voltage capacitors, switch gears, fluorescent lamp ballasts and few types of high voltage switches and circuit breakers







White Oils

White Oils are a popular blending base for Pharmaceutical and Cosmetic Products such as creams, lotions, hair oils, petroleum jelly, ointments, laxatives etc. It also finds numerous applications in many other industrial segments such as polystyrene manufacturing, food packaging industries, protective coatings for fruits and vegetables, food preservatives, veterinary preparations etc.

We manufacture White Oils from low pour point severely Hydrotreated Base Oils, ranging from low viscosity to very high viscosity grades. We also manufacture as per specific customer requirements. All our products and processes comply to National & International Standards and Pharmacopoeias such as IP, BP, USP & EP and meet the

stringent requirements of US FDA 21 CFR 172.878 & 21 CFR 178.3620 (a). Our products are approved and certified by FDA-India.

Benefits of White Oils:

- Readily lubricates, smoothens, softens, extends and resists moisture in numerous forms because of its inert nature
- White oils are used as a base and as an adjuvant and has wide applications in the pharma and cosmetic industries
- Optimizes consistency and are skin-friendly, which increases their utility in cosmetics



Petroleum Jelly

Petroleum Jelly or Petrolatum was discovered as a Paraffin-like material coating oil rigs. Since then, it has been used in various ointments and as a lubricant. Petroleum Jelly is made by a waxy petroleum material and is also known as White Petrolatum.

Uses of Petroleum Jelly:

- Petroleum Jelly is an ingredient in many cosmetics and lotions because of its moisturizing properties
- Has healing properties that seals off a burn or injury from contamination or further infection
- A variation of Petroleum Jelly known as Red Veterinary Petroleum confers some protection against UV (ultraviolet) exposure and has been used as a sunscreen



Textile Oils

We manufacture fine Textile Oils like Panol-KNT and Antistatic Coning Oil known for its various features such as oxidation and chemical stability. They are highly effective in improving antistatic properties as well as reducing friction of machine parts.

■ PANOL-KNT

Panol-KNT is a needle lubricant for large diameter circular knitting machines as well as for various other types of knitting machines. It is suitable for automatic oiling units commonly fixed to circular knitting machines.

Benefits of Panol-KNT:

- Panol-KNT is a non-corrosive, easily washable, non-abrasive knitting oil and is self-emulsifiable in water
- Recommended for the knitting of cotton/cotton-polyester, synthetics - dyed/undyed yarns etc.
- Gives optimum lubricity to reduce the friction and provides long life to needles, sinkers and cams
- Exhibits a high level of scour ability from knitted yarns or fabrics

■ ANTISTATIC CONING OILS

Antistatic Coning Oils are used for texturing synthetic yarns such as viscose, acetate rayon, nylon and polyester. We supply oils of different viscosities depending on the buyer's requirements.

Benefits of Antistatic Coning Oils:

- It has antistatic activity and excellent pick-up quality as high as 3% to 5% on weight of yarn
- Gives a considerable reduction in chemical splashing in high speed machines, reducing chemical wastage and chemical cost
- Highly effective in improving antistatic properties and also reduces the concomitant friction
- Has very good colour stability; when cones of yarn are stored for a long period of time the original colour is very well maintained







Oils for Ink, Resin and Paint Industries

PANOL provides a wide range of products for heatset, coldset, offset and web base inks of various grades of Petroleum Distillates with controlled aromatics and boiling ranges. Our range also includes Naphthenic Oils with desired boiling ranges and viscosity, Mineral Oils and Black Ink Oils and Bituminous Varnishes suitable for web base inks. All our products and processes comply with international quality standards and norms for the lowest PCA content. We also provide Petroleum Jelly for better tack, gloss and viscosity controls of inks, along with products for resin & paint industries with LAWS & Distillates for controlled aromatics as per specific requirements.

Our Products:

- Petroleum Distillates
- Aroma Free Distillates
- Naphthenic Oils
- High Viscosity Oils (Naphthenic & Paraffinic)
- Black Ink Oils
- Bituminous Black Varnishes
- Petrolatum (Petroleum Jelly)
- Low Aromatic White Spirits (LAWS)



Automotive Lubricants

■ AUTOMOTIVE ENGINE OIL

PANOL Automotive Engine Oil is greatly designed for heavy / medium / light commercial vehicles, agricultural tractors, pump sets, outboard motors, marine engines, commercial & passenger cars, two and three wheelers etc.

PANOL Automotive Oils offer numerous advantages over Mineral Oil based stocks:

- Better oxidation and thermal stability for long service life
- Better volatility for reduced engine oil emissions
- No inherent contaminants to accelerate corrosion or acid formation
- Higher saturation level for greater soot-handling capabilities
- Lower pour points for improved operational low temperatures

■ GREASES

We at Panama Petrochem Ltd. offer a wide range of Lithium and Lithium Complex Greases for a variety of Industrial and Automotive applications. It also offers special Calcium Based Grease, Sodium Based Grease and Aluminium Grease with extreme pressure properties for specific applications in steel Industries. We also offer greases with all consistencies meeting NLGI numbers 0, 00, 000, 1, 2 and 3.

■ AUTOMOTIVE GEAR & TRANSMISSION OIL

We manufacture Automotive Gear Oils formulated with selective lubricant base stocks offering higher resistance from heat and high-speed operation breakdown. These oils help protect and extend the life of automotive gears. These oils are recommended for Bevel, Spiral Bevel & Hypoid Gear Differentials, Synchromesh and Constant Mesh Transfer Cases, Oil Lubricated Universal Joints and Manually Operated Steering Gears. They typically exceed the most severe requirements of most automotive and truck rear axles.

Our lubricant base stocks are used to formulate gear oils that offer:

- Better oxidation and thermal stability for long service life
- Lower pour points for improved operational low temperatures
- Cleaner equipment, less varnish and sludge
- Improved fuel efficiency
- Less in-shop downtime
- Less oil disposal

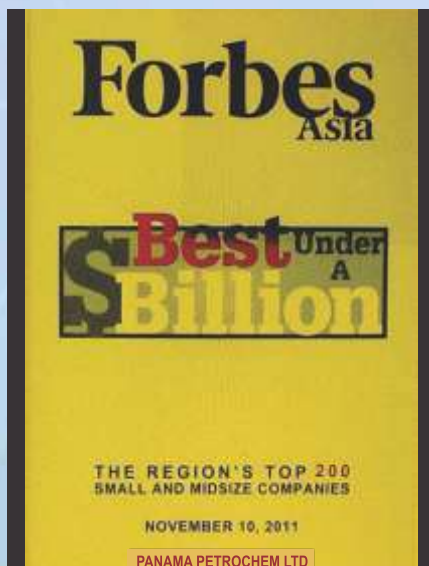




Global Presence



Certificates



FORBES



ISO



Corporate Address

401, AZA House, 24 Turner Road, Bandra (W), Mumbai - 400 050.
Phone: +91-22-42177777 | Fax: +91-22-42177788 | E-mail: ho@panamapetro.com
www.panamapetro.com

■ Plant 1

Plot no. 3303, GIDC, Ankleshwar,
Gujarat - 393002.
Phone: +91-2646-250281 | Fax: +91-2646-225907
E-mail: ankl@panamapetro.com

■ Plant 3

Plot no. H 11/12, MIDC Area Taloja,
Dist. Raigad, Maharashtra - 410208.
Phone: +91-22-27411456 | Fax: +91-22-27411456
E-mail: taloja@panamapetro.com

■ Plant 2

Survey no. 78/2, Daman Indl. Estate, Polycab Road,
Village Kadaiya, Dist. Daman - 396210.
Phone: +91-260-3091311 | Fax: +91-260-2220449
E-mail: daman@panamapetro.com

■ Plant 4

Plot no. Z 23/24 SEZ, Dahej
Dist. Bharuch, Gujarat - 392110.
Phone: +91-2641-320980 | Fax: +91-2641-320980
E-mail: dahej@panamapetro.com