



**German Technology
Lubricants & AdBlue®**



**VELVEX
INDUSTRIAL OILS,
GREASES &
SPECIALTIES**





VELVEX INDUSTRIAL OILS, GREASES & SPECIALTIES

Industrial Lubricants are a crucial component in a large variety of equipment and machineries. They reduce wear and tear and ensure that critical machineries work reliably for a durable amount of time. Our comprehensive range of world-class lubricants delivers the performance our clients expect in different types of applications.

VELVEX – The brand name implies offering VELVET touch to the machines taking utmost care on the machines life and performance, having distinct edge over conventional lubricants.

Innovation and upgradation has always been our strength and with advanced German lubrication technology we promise “ Right quality delivered at right price and at right time”.

VELVEX High performance lubricants provided by NPL

- Ensures smooth operations, even in most difficult environments
- Long period of time insuring quality
- Consistency & Sustainability
- Improved reliability

In addition to product performance, NPL

Offers following service to enable better service to the client

- Technical consultation
- Field testing and trials
- Custom designed OEM supplies



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 & 140001 certified with international standard state of art infrastructure with in-house LAB | R&D facilities.

Lube Oil Blending & Grease Plant



Plot No. J-26, MIDC, Talaja



Plot No. J-34, MIDC, Talaja



Plot No.96/1, Falandi, Silvassa

Our Credentials



TECHNICAL SPECIFICATION

Product (Category)	Viscosity Grades/Performance Level	Application/ Remarks
INDUSTRIAL OILS		
HYDRAULIC OILS		
velvex Hydrovel R&O Hydraulic oils	ISO VG:1 32,46,68,100,150,220,320 & 460 IS:3098:1983 [Reaffirmed 2004) DIN 51 524 Part 1	Hydraulic systems and a wide variety of circulating systems of industrial and automotive equipments. They are also used in general manufacturing, metal and power equipments.
velvex Hydrovel AW Hydraulic oils AW type	ISO VG:32, 46, 68,100,150 ,320 and 460 IS : 10522 - 1983 (RA 2009) Vickers V-104 C Vane Pumb test DIN 51 524 Part 1 HL Type	The oil is recommedoned for use in Axial, Piston ,Vane and Gear Pumps
Velvex Hydrovel HLP Hydraulic oil - Extra heavy duty Anti wear type	ISO:VG:32,46,68,100,150 IS:11656:1986[reaffirmed March 2002] DIN 51 524 Part 2 HLP Type Dension HF-0 Eaton Vickers 1-286-S & M-2950-S Eaton Vickers 35VQ25 Pump Test Cincinnati Milacron P-70	High pressure hydraulic systems, pumps, Industrial hydralic machinery operating at high performance elctro-hydraulic or controlled systems, numerically Screw and vane type rotary compressors.
Velvex Hydrovel HVLP SC Super clean hydraulic oil	ISO VG:32,46,68,100 & 150 IS 11656:1986[Reaffirmed March2002] FZG niemann EP 11th FLS DIN 51 524 Part3 HVLP Type Denison HF-0 & HF2 Eaton Vicker 1-286-S Eaton Vickers 35VQ25 Pump Test US Steel 127 Cincinnati Milacron P-70	Super clean type oil with NAS value 7 supplied in HDPE barrels . Mostly used in sophisticated high performance electro- hydraulic or numerically systems and servo valves
Velvex Hydrovel HVLP Premium quality hydraulic oil	IS VG:32,46,& 68 IS:11656:1986(Reaffirmed March 2002) DIN 51 524 Part 3 HVLP Type Denison HF-0& HF- 2 Vickers 1-286-S US Steel 127 Ciniccinnati Milacron P-70	These oils are recommended to high pressure systems and power transmission systems requiring very high viscosity index oil, operating under high speeds, load and temparature These Oils are also recommended for hydraulic applications with sophisicated high performance elctro hydraulic or numerically controlled systems.
Velvex Hydrovel Ashless Hydraulic oils	ISO VG:68 FZG Niemann EP 11 th FLS IS:11656:1986[Reaffirmed March 2002] DIN 51524 Part 2 HLP type Denison HF-0 & HF-2 Vickers 1-286-S Us Steel 127 Cincinnati Milacron P-70	Zinc free ash less type oil suitable for high pressure hydraulic systems,pumps, industrial hydraulic machineries operating at high speeds, load and temperatures. Sophisiticated high performance electro-hydraulic or numerically controlled systems found in concrete mixture units used in construction applications.
BEARING OILS		
Velvex Machinevel (Gneral purpose Machinary oil)	ISO VG 15,22,32,46,68,100,150,220,320 & 460 IS:493:1981(part I) Reaffirmed Sep, 2009	General Purpose Machinery Oils for non-critical and mild operating condition in bearings,gear etc.,
Velvex Cane Crushvel (Bearing Oil - Bituminous)	Viscosity grade 40,80, &120 Proprietary grades	It is suitable for heavily loaded cane crushing mill roll bearing applications in sugar industties
Velvex cane Crushvel NB (Bearing Oil - Non Bituminous)	Proprietary grade	Non-bituminous oil for heavily loaded slow-speed mill roll bearing in sugar mills. Being non bituminous in nature, it is easier to dispose off the used libricant.



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INDUSTRIAL OILS		
COMPRESSOR OILS		
Velvex Compressvel Compressor oils	ISO VG:32,46,68,100,150,220,& 320 DIN 51 506 VD-L , ISO DIS 6521 type IS 13256:1992 DAA & DAB(Reaffirmed 2004)	For high performance resipocating & rotary air compressors where air discharge temparatures may go up to 220° C
Velvex Compressvel C Oil	ISO VG:100 &220 Proprietary grade	Cylinder lubrication in reciprocating single & multi stage air compressors handling moist air and most natural gas
GEAR OILS		
Velvex Gearvel Industrial Gear oil	VG:46,68,100,150,220,257,320,460,680 & 1000 IS 8406:1993(EP type){reaffirmed Mar. 2001} IPSS:1-09-003 US Steel 224 David Brown S.1.53.101 DIN 51 517(Part 3), AGMA 250.04-5EP	Premium quality, EP type industrial gear oil for enclosed gear drives operating at high load and speed conditions
GEAR COMPOUNDS		
Velvex Gearvel Open SM Open gear compound	Grades D & H- IS 9554-1980 [Reaffirmed Nov, 1998] B, F, & G: Proprietary Grade	Open gears and slow - speed enclosed gears where high viscosity adhesive products are required
Velvex Gearvel OG Open Gear compund	Proprietary Grade	Open gears working under heavy and shoks loads varying operating conditions.
MACHINE TOOLWAY OILS / SLIDEWAY OILS		
Velvex Wayvel Machinary toolway oil	ISO VG:32,68 & 228 Proprietary grade	Lubrication of slides & table of Machine tools for both horizontal and vertical guide ways.
Velvex Rockvel Pneumatic tool oil	VG:100 & 181 Proprietary grade	Percussion type pneumatic tools especially rock drills, where lubrication requirements are critical.
Velvex Rockvel C Compunded pneumatic tool oil	ISO:VG:68 & 220 Proprietary grade	This oils is used as metal forming lubricant for application such as Car/Cab body drawing operation.
MARINE ENGINE OILS		
Velvex Marinevel TPO Marine engine oil trunk piston Four - stroke	SAE GRADES:30,40 & 50 API CF	All types of trunk piston engines in medium speed marine engines operating with residual fuels having high sulphur content.
Velvex Marinevel CYL Oil Marine engine oil cylinder lubrication two - stroke	SAE Grade 50 - API CF	Cylinder lubrication of all types of two stroke cross head marine engines burning inferior quality high sulphur residual fuel Oils and used in power generation and marine propulsion.
METAL WORKING OILS		
Velvex Cold Roling Oil Cold rolling oil	Proprietary grade	It is specially developed for salem steel plant for use in cold rolling stainless steel strip. It is treated with optimum friction reducing agent to minimise friction between rolls and metals, as well as improve surface finish.
Velvex Stamping Oil Stamping oil	Proprietary grade	It is suitable for use in hot and cold forging large or small fateners, like nuts,bolts made our of all types of stainless steels.
Velvex HONVEL Honing oil	Grades: A & D Properitary grade	Light coloured low viscosity oil suitable for super finishing operations like honing and lapping of all ferrous & non ferrousmaterial. VELVEX Honevel is suitable for honing of nickel alloys, toughened steel, and ensures very good finishes in short stroke, micro finishing operations on tough materials like bearing steels.

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INDUSTRIAL OILS		
METAL WORKING OILS		
Velvex Cutvel S Plus Soluble cutting oil - premium grade)	IS 1115:1986[Reaffirmed March,2002] UK DEFSTAN 91-23 for oilZX-1 Specifications	Soluble cutting oil recommended for cutting operations like drilling, forming,planing, milling,sawing on ferrous & non ferrous materials water - to - oil ratios between 20:1 & 30:1
Velvex Cutvel S Soluble cutting oil	IS 1115:1986[Reaffirmed March, 2002	Soluble cutting Oil recommended for cutting operations like drilling, forming,planing,milling,sawing on ferrous materials used at water-to - oil ratios between 20:1 & 30:1
Velvex Cutvel Semisynthetic Semi synthetic soluble cuting oil	Proprietary	Semi synthetic cutting oil for cutting operations like sawing, turning ,milling, drilling and other chip forming operations on ferrous & non-ferrous materials . Used at water-to-oil ratio between 20:1 & 30:1
Velvex Cutvel Semisynthetic EP Semi synthetic soluble cuting oil premium grade	Proprietary	Semi-synthetic EP type soluble for wide range of ferrous alloys including high tensile steels, aluminium alloys, yellow metal alloys, oil resistant polymers and composites. It improves tool life. Used a water - to -oil ratios between 20:1 & 30:1
Velvex Cutvel N Series (Cutvel N 12, 15, 302, 203, 3232) Neat cutting oil - Active type	Grade Meets IS:3065:1985 [Reaffirmed)	Severe cutting operations on materials difficult to machine. Speciality oil for use in deep boring and gun drilling operations. used in form operation, gives grinding better surface finish and improves gear cutting tool life. Specialised metal working oil got grinding of stainless steel strips Not recommended for Yellow metals and its alloys
Velvex Cutvel N Series (N 100, 102, 155) Neat cutting oil - Non Active type	Meets IS:3065:1985 [Reaffirmed)	Severe cutting operations on materials difficult to machine. Speciality oil for use in deep boring and gun drilling operations. used in form operation, gives grinding better surface finish and improves gear cutting tool life. Specialised metal working oil got grinding of stainless steel strips
Velvex Pencut High performance cutting fluids	Proprietary Grade	Extensive range of high performance cutting fluids and cutting oils suitable for almost all machining operations and materials, especially in ball pen tip mft. Offer the user high economic efficiency due to increased cutting tool life, better surface finishes, long sump life, safety for machine operators and the environment.
Velvex Forgvel 68 Low viscosity drawing oil	Proprietary Grade	Suitable for use in forging large or small fasteners, nuts & bolts made out of all types of stainless steels. Metal tube drawing, blanking and stamping where it performs the most arduous tasks
HEAT TRANSFER FLUIDS		
Velvex Thermvel 32 and 100 Heat transfer fluid	Proprietary Grade	Ideally suited enclosed heat transfer system for bulk oil temperatures upto 280° C
Velvex Thermvel Special 32 and 100 Heat transfer fluid	Proprietary Grade	It is ideal for a wide range of closed - to- atmosphere (ineritly sealed) applications up to 250° C



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INDUSTRIAL OILS		
HEAT TREATMENT OILS		
Velvex Marquenchvel Marquenching oil	IS 4543:1977[Reaffirmed Sep. 2009]	suitable for marquenching application at bath temperatures of 150 to 200° C and recommended for mass production of high precision, high quality products such as automotive gears, bearings, tools, dies etc.,
Velvex Quenchvel (22C, 32 C) Quenching oil - compounded type	IS 2664:1980[Reaffirmed Sep. 2009]	Qenching Operations where a compounded oil is preferred
Velvex Quenchvel Special (32 and 32 HS) Quenching oil	ISO VG 32 IS 2664:1980[Reaffirmed Nov. 1998]	VELVEX Quenchvel 32 HS: Quenching medium for accelerated quenching operation. VELVEX Thermol 68: Quenching medium for lower quenching speeds and bath application upto 130° C
RUST PREVENTIVE OILS		
Velvex Rustvel WDS 60, 90 and 120 Rust preventive oil solvent based waterdisplacing type	Proprietary Grade	To be used for protection of Iron Sheets, metal staks, ball and roller bearing
Velvex Rustvel WDS 602, 1202, and 902 Rust preventive oil solvent based waterdisplacing type	Proprietary Grade	To be used for protection of Iron Sheets , metal staks, ball and roller bearing
Velvex Rustvel WDM 105, 115 and 125 Rust preventive oil oil based	Proprietary Grade	To be used for various auto componants and Nuts and bolts etc, cold rolled metal sheets which are free of water / Moisture
STATIONARY GAS ENGINE OIL		
Velvex GEO Oil Stationary gas engine oil - Low Ash	SAE GRADE : 40 & 15 W-40	Spark ignition stationary natural gas engines used for gas gathering/compression, pwer generation requiring low ash Oil.
TEXTILE MACHINERY OILS		
Velvex Spinvel Spindle bearing oils	ISI VG:5 , 12 and 22 Prpprietary Grade	Spindle bearings of ring frames operating at very high rpm, also recommended for lubrication of loom and textile machinery.. VG32 is used in textile industry for lubrication of twister rings, circular knitting machines.
TURBINE OIL		
Velvex Turbinevel Turbine oils	VG:32, 46, 68, IS 1012:2002, DIN 51 515 Part 1 BS 489:1993, GEK 32568 A	Premium quality oil for steam, gas & water turbines. Also Suitable for bearings of rotary/turbo compressors and bearings prone to water contamination where demulsibility becomes a very important parameter for selection of Oil.
OFF HIGHWAY		
Velvex Multigrade Engine oil - Stationary DG set / Off highway equipments)	SAE Grade: 20W-40 IS 13656:2002 Type EDL2 & EPL1 API CD/CF, US MIL-L-45199B UK DEF 2101D, Caterpillar	Naturall aspirated, supercharged & turbo charged diesel engines operating under heavy loads in stationary DG-sets, off-highway construction,earth moving equipments. SAE 10 W is also recommended for use in certain earth moving equipment as Transmission Oil.
Velvex Hydovel HVLP Hydraulic oil - Exceptionally high VI, Anti-wear type	ISO VG : 46, 68 & 100 P 46 Proprietary grade P 68 : L&T - (R-201-032-11) Index A Specification P 100 : L&T'- (Z-00-032-42) Index G specification	Velvex Hydrol in TELCO for use in Tata Hitachi Excavators P 68 is use in small L& T - Komastu excavators P 100 is used in excavators and in use in large L& T -Poclain excavators
Velvex Transvel Oils Hydraulic tranmission oil - Off Highway	SAE Grade: 10 W & 30 Type C-4 of Allison Transmission Division of General Motors ,USA Caterpillar TO-2	Heavy duty autpmatic and power shift transmissions Division of General Motors, USA

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INDUSTRIAL OILS		
REFRIGERATION OIL		
Velvex Refrigvel Refrigeration compression oil	ISO VG:12,32,46,68 IS 4578:1997	All refrigeration compressors of open, hermetically sealed & semi-sealed industrial type, both reciprocating as well as rotary type.
Velvex Refrigvel Refrigeration compression oil	ISO VG:68 Proprietary grade	Suitable for compressors of cold storage plant temperatures go upto '-10° C
GREASES		
Velvex EP Grease Lithium based EP grease	NL GI Grade 0, 1 & 2 IS 7623:1993 EP Type[Reaffirmed 2001] IPSS:1-09-005-99	For all plain & roller bearings in equipment operating under severe shock loading conditions and temperatures up to 130°C NLGI Grade 1 is used in centralised grease lubrication system.
Velvex MP Grease Lithium based multi purpose grease	NLGI Grade : 2 & 3 IS 7623:1993 Regular Type{Reaffirmed 2001} IPSS:1-09-006-97	Multipurpose grease for heavy-duty plain & roller bearings operating under moderate loads and temperature . It has good oxidation and structural stability
Velvex EP S1 V220 2 Multi purpose Extreme pressure grease	NLGI Grade 2 Operating temperature : -10°C to +110°C Lithium grease	General Lubrication of moderate-duty plain and rolling bearings operating with poor sealing / or exposed to external contamination (Steel, cement & General engineering sectors)
Velvex LICOM Grease Lithium complex grease	NLGI Grade: 1, 2 & 3, VELVEX MULTIPLEX L Greases 2 &3 meets, IS 14847:2000 VEVEX MULTIPLEX L Grease 1 Proprietary Grade, VELVEX MULTIPLEX L Greases 2 meets IPSS : 1-09-020-99	Steel Plants ,mining & Engineering Industries. It has good shear stability and high temperature properties.
Velvex EP S1 V150D 2 Multi purpose Extreme pressure grease with solids	NLGI Grade 2 Lithium complex grease	General truck, chasis and wheeler or rolling bearing re-lubrication Automotive applications where extended lubrication intervals are desired
Velvex RM MP Grease Lithium based water resistant grease	NLGI Grade:2 Proprietary Grade	The grease is specially recommended for lubricating bearing installed in rolling mills subject to water ingress
Velvex MOLY Grease Lithium based grease with MoS2	NLGI Grade 2 IS 12203::1999 [Grade 3]	For Industrial applications where lithium based grease required with 3% by wt. MoS2. Used for certain automobile parts where shock loaqing occurs.
Velvex SM Grease Clay based bearing grease	NL GI Grade:2 Proprietary grade	For lubrication of machine elements, plains bearing and anti-friction bearings operating at very high temperature and shock load conditions. Specially recommended for lubrication of crushing mill journal bearings of sugar mill industry applications.
Velvex Hightemp Grease High temperatue Clay based grease with MoS2	NL GI Grade:2 IS 12790:1999(Grade 2) IS 12790:1999(Grade 2)	For Machine elements, Plain bearing and antifricition bearing operating at very high temperatures and shock load conditions operating at very high temperatures and shock load conditions
Velvex LICAL Calcium based greases	NLGI Grade: 2 & 3 IS 507:1993[Reaffirmed2001	These are recommended for roller bearings operating in moist conditions and at moderate temparatures. It has good structural and thermal loading occurs.
Velvex Chasis Grease Calcium soap Grease	Proprietary grade	Designed for general chasis application Also recommended for track rollers idlers
Velvex Graphite Grease SPL Calcium based graphite grease	NL GI Grade:2 IS 508:1987(Grade2)[Reaffirmed 1998]	This is recommended for plain bearings operating in wet conditions. It possesses good water resistance and sealing properties.
Velvex XG 280 Grease Calcium based graphite grease	NL GI GRADE 1 , IS 508:1987(GRADE 1) [Reaffirmed 1998], CS/653 specifications of DGOA for grease XG-280	This is specially designed for rail flange lubrication and has good water wash out properties. They also have good structural stability and extra tackiness
Velvex CS Grease Caclium Sulphonate grease	NLGI Grade 0, 1 & 2 Proprietary garde	Heavy duty steel plant and engineering applications where temperatures , loads, humidity,and water is critical. Specially recommended in Rotary Kilns Lubrication.



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."

OUR PRESTIGIOUS CLIENTS



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