

# HP INDUSTRIAL LUBRICANTS

## AUTOMOTIVE GRADES

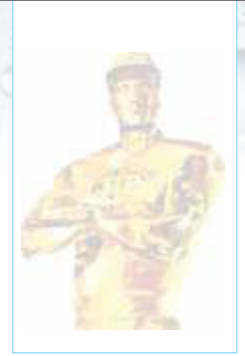
## INDUSTRIAL GRADES

## INDUSTRIAL SPECIALITIES

## INDUSTRIAL GREASES



## AUTOMOTIVE GRADES



**1. Automotive Engine Oils- Hylube Hdx 20w40/ Lal Ghoda 20w40;** Recommended for use in all types of Diesel Engines in Trucks, Buses, MUV, Taxis, Tractors, Pump-sets and D.G- sets. All-round performance, excellent cleanliness and efficient lubrication.

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**2. Automotive Gear Oils- Gear H.P 90/ 140;** Multipurpose gear oil containing extreme pressure additives for moderate service condition. Application areas are manual transmission of automobiles requiring this type extreme pressure oil. Excellent thermal & chemical stability. Protection against rust & corrosion ensuring longer trouble free protection.

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**3. Automotive Transmission Fluids- HP Power Glide Series;** Red colored premium quality transmission oil. Recommended for use in automatic transmission, Power steering units and synchromesh gear boxes of Automobiles and trucks recommending GM fluid. Type A suffix Thermal & Oxidation resistance. Low temperature fluidity and foam control. Seal compatibility. Corrosion & anti-wear properties.

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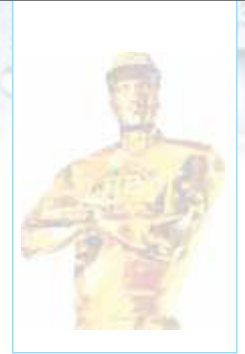
**4. Automotive Diesel Engine Oils- HP No1/ MILCY POWER/HY EXT 20W40/ Diesel 15W40/ Hylube LL 15W40;** Premium multi-graded oil. Recommended for all naturally aspirated as well as turbocharged diesel engines in commercial vehicles, utility vehicles, cars, jeeps, earthmoving & construction equipment.

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**5. Automotive Greases – AP 3 Grease / Chassis Grease / M.P 2/3/ Wheel Bearing Grease;** Premium quality the fall are all purpose automotive grease . Recommended for all types wheel bearings used in automobile which include heavy & light duty and passenger vehicle. Excellent thermal and oxidation stability. Resistance to water wash out. Superior protection against rusting & corrosion. Longer bearing life.

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## INDUSTRIAL GRADES



- 1. Hydraulic & Circulating Oils – Enklo Series 32/ 46 / 68 / 100 / 150 / 220 / 320 /460** (Anti – Vear Type); Enklo Grads are recommended for use in hydraulic systems, enclosed gear boxes, chain drives, compressors,, vacuum pumps, mining machinery, machine tools, hydraulic and circulation system and enclosed gear boxes which do not require EP type lubricant. High viscosity, good film strength, maximum demulsibility, excellent corrosion & foaming resistance and high chemical stability.

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- 2. Hydraulic & Circulating Oils – Enklo HLP Series – 32/ 46/ 68 (special purpose anti – wear type )**; These are premium hydraulic oils, recommended for use in screw compressors, vacuum pumps, mining machineries and machine tools where EP type oils required. Also recommended for sophisticated electro hydraulic or numerically controlled system. Approved by Ingersollrand Voith India LNT mneil ltd.

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- 3. Industrial Gear Box Oil – Parthan Series – 68/100/150/220/320/460/680/1000**; These are premium quality oils recommended for all heavy duty enclosed gear drives with circulation or splash lubrication system operating under heavy stock load conditions. Extreme pressure additives, anti – foam, anti – rust, anti – oxidation and thermal resistance. Approved by FMG Shanti Gear Box etc.

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- 4. Compressor Oils – Hycom Series – C 100/150/220/320** ; These Oils are recommended for cylinder lubrication of single and multistage air compressors with moist air and provide excellent lubrication of piston tings, valves and cylinder liner. Excellent resistance to washing effect of water. Anti-rust, anti-corrosion agent and good fluidity at low temperature.

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- 5. Compressor Oils Hycom VDL. T 32/46/68/100/150/220/320**; These Oils are blended from saturated parffinic bes stock and selected premium grade of anti – oxidants, anti-rust, anti-foam and anti-wear additives. Used in high performance reciprocating rotary air compressor/screw compressors. Suitable for air vacuum pump designed to deliver at a pressure higher than atmospheric pressure. Also suitable for lubrication of air compressors with lubricated compression chambers.

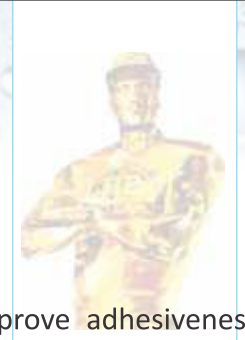
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- 6. Refrigeration Compressor Oils- Seetul : 15/22/32/46/68/100/N32/N68**; These grades are recommended for wide range of refrigeration compressor, both reciprocating as well as rotary, using all conventional refrigerants except sulfur-dioxide. Recommended for the lubrication of hermetically sealed refrigeration compressors.

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- 7. Spindle Oils – Spintek Series – 5/12/15/22**; Low viscosity lubricant. Excellent chemical & oxidation stability. Anti-wear and anti-foam agents. Good strength oil film, demulsibility, lowest fluid friction and resistant rusting and corrosion. Recommended for lubrication of textile and machine tools, spindle bearings, timing gears, centirfubal sperators positive displacement blowers and hydraulic system of certain high precession machine tools.

## INDUSTRIAL GRADES



**8. General Purpose Mechanery Oils – Yantrol Series -32/68/100/150/220/320;** These oils are specially Formulated to improve adhesiveness and film strength. These grades are specially developed for general purpose lubrication to be steel mills, textile and machine tools. They provide persistence of oil film to an unusual degree and influence in reducing power consumption, wear and maintenance cost.

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**9. Turbine Oil – Turbonol Series -32/46/68;** These grades are Recommended for use in all turbines without gear boxes. They are suitable for in bearing lubricating system of steam, gas and hydraulic turbines, Approved by GECALsthom, UK, SIEMENS, BHEL

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**10. Pneumatic Tool Oils – Nu- Matic Series -100/220;** These grades are Recommended for pneumatic equipment such as rock drill, jack hammers, chippers and wagon drills. Also used in small in-plant pneumatic tools like tools like grinders, filing tools, drills, tappers, impact wrenches, riveters and hoists.

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**11. Open Gear Oils- Hytak Series-0/1/2/5/F3/F4/F5:** Heavy viscous black petroleum with tackiness and film strength. With stand pressure in heavily loaded open gear. Recommended for lubrication of conventional open gears, cable and wire ropes.

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**12. Steam Cylinder Oils – Cyndol Series -680/1000/TC460/TC530, TC680;** Eminently suitable for cylinder lubrication of steam engines using highly super heated steam. Also used in oil tempering and wire drawing applications. Widely used in calendar bearing and cigar mill roller bearings and lubrication of worm gears.

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**13. Pump Set Engine Oils-20W/40;** A good quality engine oil specially designed for agricultural pump sets diesel engines. Recommended for use in diesel engines equipped on agricultural pump sets. Clean engine with lesser deposit, good anti-wear properties and superior lubricity.

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**14. Sugar Mill Roll Bearing Oils- Crushwell 2/3/4;** These are ideal lubricants meeting requirements of heavily loaded mill roll bearing in sugar mills. These carry approvals of sugar mill machinery manufacturers. These oils are also recommended in centralized lubrication system of slow speed spur helical gears in certain industries and for open gear lubrication by slush pan method.

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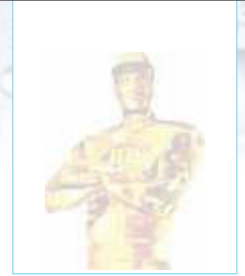
**15. Textile Oils – Yantrol Ts 32/68/100/220/C32;** Recommended for lubrication of looms and other textile machinery where a scourable type of oil is preferred. Formulated for specific applications in textile industries such as wick-fed twister rings, circular knitting machine, sewing machines leather aprons and tapes.

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**16. Machine Tool Way Oils Way lube 68/N68/220;** Way lube grades have been formulated to impart frictional characteristics that overcome the stick-slip motion. They are for with miled EP and rust Industries properties.

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## INDUSTRIAL SPECIALITIES



**1. Metal Cutting Fluids -Straight cutting Oils –Trimoffin Series 12/14/16/18/19/20/21/22/23/25/26/27/54/55/58/64/65/66;** Straight cutting fluids are used without any dilution to obtain optimum performance. Trimotion and be classified under 3 main categories high oiliness type / non staining Type/Staining type.

**2. Metal Cutting Fluids-Soluble Cutting Oils – Koolkut Series -40/70/80;** These products are emulsifiable in water and not a blended refined mineral oil base stocks, emulsifiers, additives and suitable bactericides primarily aimed for longer periods of operations provide excellent cooling better lubricity recommended with water @ 2.4%.

**3. Quenching Oils- Meta Quench Series -39/40/42;** Quenching Oils are heat treatment Oils. These grades have been specially formulated from highly refined petroleum oils with good additives. Good thermal properties. Good chemical and oxidation stability. High boiling points are volatility. High flash and fire points.

**4. Rust Preventive Oils – Rustop Series -173/274/286;** Rustop Oils are lubricating Oils containing soluble corrosion inhibitors These are selectively formulated for various applications. Non-staining. Compatible with lubricating oils and hence the surface film need not be removed. Easily applied by brush, spray or swab Easily removable by solvent. Recommended for use in all application for final packing finished components.

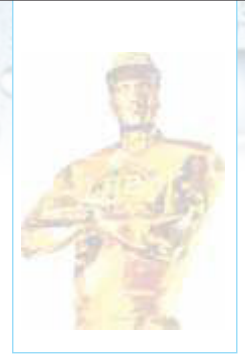
**5. Heat Transfer Fluids – Hytherm Series -500/600;** A Thermal fluid designed to cover a broad range of heat transfer application. Excellent oxidation & chemical stability. Good heat transfer properties. Low volatility and low vapour pressure. Non-corrosive & non-toxic. It is used for most conventional operations and finds extensive application in the textile, pharmaceutical, chemical and processing industries.

**6. Metal Drawing Compounds- Drawmet Series -15/22/44/66;** A very important segment in the metal working industry .Metal forming process includes operations like pressing, stamping, deep drawing, wire drawing, tube drawing and forging. During these operations considerable amount of heat and stress are generated. These grades are tailor made to satisfy the requirements included in metal drawing/forging operations.

**7. Rubber Process Oils – Elasto Series -245/541/710;** Rubber Process Oils are be broadly classified into 3 basic groups. Paraffinic naphthenics Aromatics. Elasto 710 is an aromatic type of oil, Due to the presence of double bonds, Dark in color and has good solvency, making it compatible with most rubber polymers. It find extensive use in the manufacture of automobile tyres, belting, battery cases where color is not an important factor.

**8. Metal Rolling Oils – Rolmet Series – N34/40/V45/C12;** A Premium quality rolling oil blended from refined mineral oils and select additives for use in rolling sheets and sections. The oil possesses excellent chemical, thermal and oxidation stability making it suitable for all severe rolling conditions of operations. In addition, it has excellent dispersancy for uniform roll pass lubrication along with good emulsibility, anti-wear and plate out characteristics. There is reduction in rolling mill power .Increased roll life and improved quality of surface finish. Recommended for oil use in steel hot rolling.

## INDUSTRIAL GREASES



**1. Lithon- 2/3/EPO/EP1/EP2/RR3/RR3t/M2;** These are Lithium soap multipurpose greases having excellent water resistance properties, high oxidation stability, maximum structural stability with superior anti-rust and anti-corrosion properties . They meet the requirements of all industrial grease applications for plain and anti-friction bearings. It has shear stability, high load carrying capacity and is recommended for situations dictating the use of an extreme pressure multipurpose grease.

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**2. Lithoplex – 2/3;** Lithium base complex greases specially developed for ball and roller bearing lubrication where long life and trouble-free performance are the key requirements. They possess outstanding oxidation, mechanical stability , water resistance and rust protection properties. Their exceptionally high dropping point over 260 C give them excellent resistance to leakage, dripping and throw-off at elevated operating temperatures. These greases are suitable for high temperature applications up to 190 degree centigrade.

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**3. Tisona- 2/ M2;** Tisona2: A clay thickened grease having good oxidation resistance and thermal stability for use in both plain and anti-friction bearings. It can lubricate satisfactorily at temperature upto 230 degree C and will not melt or soften appreciably even at higher temperature. Tisona M2: A clay thickened grease with molybdenum disulphide added to it reduce friction at high temperatures further fortified with anti-oxidation, anti-corrosion and anti-wear additives. These are recommended for the lubrication of machine elements, plain bearings operating at high temperature.

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**4. Plutek- 1/2;** These are extreme pressure greases designed for heavily loaded bearings both plain and anti-friction operating at moderate speeds up to 2000 RPM and temperatures up to 70 degree C. They have EP properties . High degree of resistance to water washing and excellent adhesiveness. They are primarily developed for the lubrication of anti-friction work-roll, back-up roll bearings in ferrous and no-ferrous rolling mills.

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## OUR SALES OFFICES

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