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GLOBAL LLP

PRODUCT CATALOGUE

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ABOUT THE COMPANY



AHN GLOBAL LLP has a complete range of Automobile & Industrial Lubricants, Greases and Coolants. Nestled in the capital of the country DELHI (India), we have connectivity to a seamless network. With a best in class team of experts in marketing, logistics, and management; we are poised to be the best in the business.

**WE ARE A CORPORATE
COMPANY THAT AIMS TO
PROVIDE YOU WITH THE
BEST SERVICE.**

HYDRAULIC OILS

A hydraulic fluid or hydraulic liquid is the medium by which power is transferred in hydraulic machinery. Common hydraulic fluids are based on mineral oil or water. Examples of equipment that might use hydraulic fluids are excavators and backhoes, hydraulic brakes, power steering systems, transmissions, garbage trucks, aircraft flight control systems, lifts, and industrial machinery.

APPLICATIONS

AHN global series of high performance hydraulic oils have been developed to operate under moderate to severe conditions across a wide range of industrial applications. They are well known to protect, lubricate and perform in the most efficient and effective way to ensure smooth operation and long service life of the hydraulic systems.

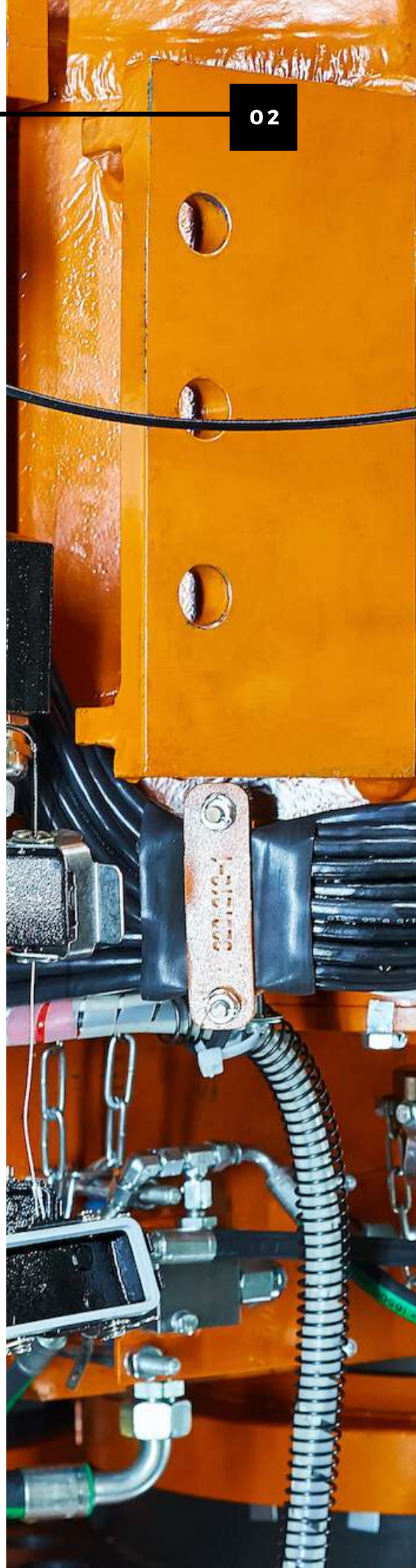
BENEFITS

To be an effective and reliable lubricant, hydraulic oil must possess properties similar to most other lubes. These include: foaming resistance and air release; thermal, oxidation and hydrolytic stability; anti-wear performance; filterability; demulsibility; rust and corrosion inhibition; and viscosity in respect of its influence on film thickness.

VARIANTS

- HYDRAULIC OIL SAE 10W
- HYDRAULIC OIL ISO 22
- HYDRAULIC OIL ISO 32
- HYDRAULIC OIL ISO 46
- HYDRAULIC OIL ISO 68
- HYDRAULIC OIL ISO 100
- HYDRAULIC OIL ISO 150

Packaging Size: 50 ltr, 210 ltr



AHN GEAR OILS

Gear oil is a lubricant made specifically for transmissions, transfer cases, and differentials in automobiles, trucks, and other machinery. It is a high viscous and usually contains various compounds. Fully synthetic gear oils are also used in many vehicles, and have a greater resistance to shear breakdown than mineral oils.

APPLICATIONS

The right type of lubrication is intrinsic to achieve the desired parameter of efficiency. AHN EP Lubricant series offers complete solution for all types of gear applications including heavy duty industrial enclosed gears operating under severe or shock loading conditions

BENEFITS

Advantages of GEAR OILS range from offering high thermal stability and utilize a modern Extreme Pressure additive system to maintain clean gear and bearing surfaces, minimize deposits, inhibit rust and corrosion and provide excellent water separation.

VARIANTS

- GEAR OIL SAE 90
- GEAR OIL SAE 140
- GEAR OIL SAE 320
- GEAR OIL 85W140
- GEAR OIL 80W90
- GEAR OIL SAE 220

Grade: API GL4, API GL5

Packaging Size: 50 ltr, 210 ltr



QUENCH OILS

Quench Oils are high-quality oils developed for heat treatment of ferrous metals in a wide variety of quenching operations. They are formulated to provide deep and uniform hardening with minimum distortion and cracking for a smooth surface finish.

APPLICATIONS

AHN Quench series are premium quality quenching oils suitable for heat treatment of ferrous metals in a wide variety of quenching operations. These oils provide the desired cooling properties to induce the required hardness with minimum stresses and distortion.

BENEFITS

Quench oil serves two primary functions. It facilitates hardening of steel by controlling heat transfer during quenching, and it enhances wetting of steel during quenching to minimize the formation of undesirable thermal and transformational gradients which may lead to increased distortion and cracking.

VARIANTS

- Quench Oils SAE 22
- Quench Oils SAE 32
- Quench Oils SAE 68

Packaging Size: 50 ltr, 210 ltr



RUST PREVENTIVES

Rust preventive oils form a barrier film on the substrate surface. The inhibitor molecules adsorb on the surface, forming a film protecting the part from the attack of oxygen, water, and other chemically active substances.

Rust forms on iron when it meets water or oxygen. It results in equipment failure, increased power consumption, non-salable parts, and other problems.

APPLICATIONS

AHN global No Rust series are high performance rust preventives for inter process or medium term protection of metal components after machining operations, pickling, phosphating, electro chemical processes etc.

BENEFITS

Rust preventive oils are used to protect components previously exposed to water containing machines and grinding coolants, cleaners or water rinses. They are also used for the protection of metal parts and components stored indoor in humid conditions

VARIANTS

- RUST PREVENTIVE SAE 68
- RUST PREVENTIVE SAE 173
- RUST PREVENTIVE SAE 173 DW
- RUST PREVENTIVE SAE 175
- RUST PREVENTIVE SAE 179
- RUST PREVENTIVE SAE 184

Packaging Size: 50 ltr, 210 ltr



COMPRESSOR OILS

Compressor Oil are used as high performance additives to provide outstanding lubrication in a variety of rotary and reciprocating air compressors. All ISO viscosity grades are formulated with outstanding oxidation performance, wear protection, resistance to rust and corrosion, rapid water separation and foam control.

APPLICATIONS

The AHN global range of advanced ashless air compressor oils are developed for use in rotary, reciprocating and centrifugal compressors. They are specially designed to meet stringent requirements of major compressor manufacturers.

BENEFITS

Compressor Oil is designed to provide long service life in most compressor applications. The thermal stability and oxidation resistance of these fluids can help to maintain cleaner compressors, thereby enabling longer running periods between scheduled maintenance and oil changes.

VARIANTS

- COMPRESSOR OIL ISO 32
- COMPRESSOR OIL ISO 46
- COMPRESSOR OIL ISO 68
- COMPRESSOR OIL ISO 100
- COMPRESSOR OIL ISO 220

Packaging Size: 50 ltr, 210 ltr



CUTTING FLUID

Cutting fluid is a type of coolant and lubricant designed specifically for metalworking processes, such as machining and stamping. There are various kinds of cutting fluids, which include oils, oil-water emulsions, pastes, gels, aerosols (mists), and air or other gases. They may be made from petroleum distillates, animal fats, plant oils, water and air, or other raw ingredients.

APPLICATIONS

Cutting fluid is a liquid used in metal working operations for reducing friction between the work piece and the tool and for removal of the heat generated by the friction

BENEFITS

The use of cutting fluids reduces friction and heat. The removal of the heat prevents the work piece from expanding during the machining operation, which would cause size variation as well as damage to the material's microstructure. Proper use of cutting fluids increases tool life, which reduces the tooling costs.

VARIANTS

- NEAT CUTTING FLUID
- SOLUBLE CUTTING FLUID
- SYNTHETIC CUTTING FLUID

Packaging Size: 50 ltr, 210 ltr



HEAT TRANSFER FLUIDS

Heat transfer fluid helps in heat transfer by serving as an intermediary in cooling on one side of a process, transporting and storing thermal energy, and heating on another side of a process. They generally have a high boiling point and a high heat capacity. High boiling point prevents the heat transfer liquids from vaporising at large temperatures. High heat capacity enables a small amount of the refrigerant to transfer a large amount of heat very efficiently.

APPLICATIONS

Heat transfer fluids are oils formulated to serve as a fluid media in closed and open liquid phase heat transfer systems. Oil used in closed systems may be used at temperatures up to 550°F (288°C). The hot oil must not come into a contact with air because of the possible oxidation

BENEFITS

Heat transfer fluids are used in countless applications and industrial processes requiring heating or cooling, typically in a closed circuit and in continuous cycles. Cooling water for instance cools an engine, while heating water in a hydronic heating system heats the radiator in a room. Water is the most common heat transfer fluid because of its economy, high heat capacity and favorable transport properties.

Packaging Size: 50 ltr, 210 ltr



TRANSFORMER OILS

Transformer oil or insulating oil is an oil that is stable at high temperatures and has excellent electrical insulating properties. It is used in oil-filled transformers, some types of high-voltage capacitors, fluorescent lamp ballasts (North America only), and some types of high-voltage switches and circuit breakers. Its functions are to insulate, suppress corona discharge and arcing, and to serve as a coolant.

APPLICATIONS

Transformers are an integral part of power distribution systems. Their main task is to convert voltage. In most of these devices the heat is removed from hot parts to cooling devices with the help of transformer oil which is also used for insulation of live parts. Only some transformers use synthetic non-flammable liquid.

BENEFITS

Transformer oil is either synthetic or minerals. Oil inside the transformer is act as a transfer media for heat transfer from HT and LT coils and circulate inside the transformer. It also provide insulation and protection to windings

Packaging Size: 50 ltr, 210 ltr



CIRCULATION OILS

Circulating Oils provide continuous flow of liquid to bearings, gearboxes, and blowers. They circulate various liquids such as oils, synthetic lubricants, ethylene glycol, and jet fuel. Circulating Oil Systems are commonly used for heavily loaded bearings operating at high speeds and temperatures.

APPLICATIONS

Circulating oils are premium performance circulating lubricants designed for applications including steam and hydro turbine sets and other systems where long lubricant service life is required. AHN GLOBAL lubricants are formulated from highly refined base stocks and an additive system which provide an extremely high level of chemical and thermal stability, rapid and complete separation from water and a high resistance to emulsification

BENEFITS

Circulating oils provide excellent protection against rust and corrosion, including resistance to salt water, and good anti-wear properties. They have a high viscosity index which ensures minimum variation of film thickness with temperature and minimum power loss during the warm up period. These grades have excellent air release properties which allow entrained air to separate, thus avoiding pump cavitation and erratic operation.

Packaging Size: 50 ltr, 210 ltr



RUBBER PROCESS OILS

Rubber process oil is made aromatic byproduct from solvent extracting method to modify physical properties of the processing and to cut back the price of the finished product. Rubber process oil is used throughout a mix of rubber compounds.

APPLICATIONS

AHN GLOBAL Rubber process oils are obtained from petroleum (crude oil), after the more volatile petrol and heating oil fractions have been separated through distillations. Process oil are mixtures of paraffin, naphthalene and other aromatic compounds of varies molecular weight distribution and used as processing aid in manufacturing of rubber products.

BENEFITS

Suitable for use in manufacture of automobile rubber tyres, belting, battery case etc. Rubber process oils functions as a plasticiser, improving the process ability and filter incorporation, or as extender. Based upon the finished product, we shall recommend the choice of oil from our extensive range of products.

VARIANTS

- RUBBER PROCESS OIL SAE 710
- RUBBER PROCESS OIL SAE 245
- RUBBER PROCESS OIL SAE 540
- RUBBER PROCESS OIL SAE 165
- RUBBER PROCESS OIL SAE 255

Packaging Size: 50 ltr, 210 ltr



SPINDLE OILS

Spindle oils are a type of low-viscosity mineral oil marketed for use in lubrication of high-speed machine spindles. Spindle oil is free from gumming properties. Since the viscosity is so low that the oil runs off the surface of the spindle during shut-down periods, the spindle oil may be doped with additives that prevent rusting. Since the spindle oil often is used in textile factories, it is also important that it doesn't stain the textiles.

APPLICATIONS

Spindle Oil is anti-wear oil that is formulated for use in the lubrication of high-speed spindle bearings in precision grinders and other machine tools that require the use of low viscosity oils.

BENEFITS

Excellent thermal and oxidation stability minimizes deposit formation and viscosity increase, for extended service life and reduced downtime. The high specific heat and thermal conductivity of this oil ensures faster heat dissipation, superior low-temperature fluidity ensures quick circulation at start-up and reduced risk of local overheating, while the non-toxicity of this oil provides for easy disposal of used oil, which is not corrosive to aluminum, steel, copper, brass or bronze.

VARIANTS

- SPINDLE OIL SAE 5
- SPINDLE OIL SAE 10
- SPINDLE OIL SAE 12
- SPINDLE OIL SAE 22

Packaging Size: 50 ltr, 210 ltr



GREASES

Grease is a semisolid lubricant. Grease generally consists of a soap emulsified with mineral or vegetable oil. The characteristic feature of greases is that they possess a high initial viscosity, which upon the application of shear, drops to give the effect of an oil-lubricated bearing of approximately the same viscosity as the base oil used in the grease.

APPLICATIONS

Grease Crown and AHN global series are high quality greases for use in a wide range of heavy duty on and off road automotive as well as varied industrial applications. They are specially designed to deliver outstanding performance in severe applications.

BENEFITS

Greases are applied to mechanisms that can be lubricated only infrequently and where a lubricating oil would not stay in position. They also act as sealants to prevent ingress of water and incompressible materials. Grease-lubricated bearings have greater frictional characteristics because of their high viscosity.

VARIANTS

- GENERAL EQUIPMENT & MACHINERY GREASES
- HIGH TEMPERATURE GREASES
- COMPLEX GREASES
- CHAIN GREASE
- WATER RESISTANT GREASE
- SYNTHETIC GREASES

Packaging Size: 180KG



COOLANTS

Coolant is one of the important fluids for a vehicle's everyday function. People believe it is only important during cold weather driving but the fluid that keeps radiators from overheating, preventing mechanical failure and extensive repairs is coolant. Coolant is designed to remove and carry heat way from the engine to the radiator. Having the right coolant is critical for drivers traveling long distances in changing climates.

APPLICATIONS

Coolant (or antifreeze) protects your engine from freezing while defending components against corrosion. It plays a critical role in sustaining engine heat balance by removing heat.

BENEFITS

Coolants are used because simply water is not appropriate. The property of water makes it boil and evaporate at high temperatures and freeze at low temperatures, hence defeating the purpose of a coolant. Coolants are specifically designed to sustain extreme temperatures thereby protecting the heavy duty engines. Also, the anti-corrosion property of the coolants save the metal components of the engine from getting corroded and oxidized. Without an efficient cooling mechanism, the lifespan and efficiency of the engine will be reduced.

Packaging Size: 50 ltr, 210 ltr



ENGINE OILS

Engine oil or engine lubricant is any of various substances comprising base oils enhanced with various additives, particularly antiwear additive in addition to detergents, dispersants and, for multi-grade oils, viscosity index improvers.

APPLICATIONS

The main function of engine oil is to reduce friction and wear on moving parts and to clean the engine from sludge and varnish. It also neutralizes acids that originate from fuel and from oxidation of the lubricant, improves sealing of piston rings, and cools the engine by carrying heat away from moving parts.

BENEFITS

Engine Oil's first and foremost task is to lubricate the running parts, the engine components are exposed to grueling temperatures and are tend to gradual wear and tear. However, having a good engine oil and timely change helps in appropriate lubrication of parts and in-turn smooth and quieter running of the engine.

VARIANTS

- ENGINE OIL SAE 15W40
- ENGINE OIL SAE 20W40
- ENGINE OIL SAE 5W30
- ENGINE OIL SAE 5W40
- ENGINE OIL SAE 10W30
- ENGINE OIL SAE 10W40
- ENGINE OIL SAE 20W50

Grade: API SL/SM/SN/SL-CF/SN-CH/CI4+,CH4, CF4

Packaging Size: 50 ltr, 210 ltr



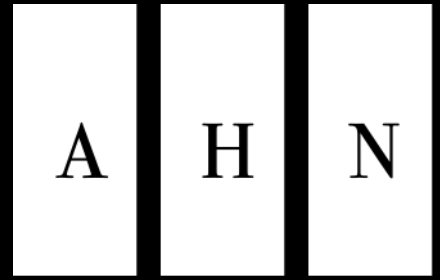
JOBWORK

We do high quality jobwork for various brands providing high quality oils and lubricants to cater the needs of their market Thus becoming a one stop solution for all the industrial and consumer sector companies.

SEGMENTS

- MCO SEGMENTS (4T -BIKE ENGINE OILS)
- PCMO SEGMENTS (Passenger Car Motor Oils)
- DEO SEGMENTS (DIESEL ENGINE OILS)
- GEAR OILS
- COOLANTS
- TQ(POWER STEERING OIL)/ UNIVERSAL BRAKE FLUID
- GREASES
- DEF(Diesel Exhaust Fluid)
- HYDRAULIC OILS
- AGRICULTURAL OILS





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