



**harchem**<sup>TM</sup>

Oils · Greases · Salts



Harchem is promoted and led by directors with 25 years of experience along with qualified team. Our range of industrial products has been specifically formulated to meet the tough demands of modern manufacturing facility, reducing wear and increasing operating efficiency within critical machinery.

Harchem's commitment to quality assurance is reflected in its accreditation to the ISO 9001:2015 and well-equipped laboratory along with R&D team.

## PRODUCT CATALOG



*Oils*



*Greases*



*Salts*

## Hydraulic Oil

### **HARLUBE AW & HLP Series** (VG 15/22/32/46/68/100/150/220/320)

High quality mineral base oil designed for use in all hydraulic systems where anti-wear and anti-aging hydraulic oil is recommended. HLP Series are rust and oxidation inhibited and contains an effective anti-wear and anti-foam additives to release entrained air rapidly.

#### **Benefits**

- Increases reliability and longevity of hydraulic systems.
- Reduction in the abrasion & wear.
- Minimises sludge and varnish formation.

**Packing Size - 30 Ltr | 210 Ltr**



## Gear Oil

### **HARLUBE GR Series** (VG 68/100/150/220/320/460)

High quality mineral base oil designed for use in multi-functional gear transmission system where anti-wear and anti-corrosion gear oil is recommended. All grades are rust and oxidation inhibited and contains an effective anti-wear and anti-foam additives.

#### **Benefits**

- Increases reliability and longevity of Gear systems.
- Reduction in noise of the Gear box system.
- Reduction in Wear and Tear.

**Packing Size - 30 Ltr | 210 Ltr**



## Compressor Oil

### **HARLUBE CO Series** (VG 32/46/68/100/150/220/320)

High quality mineral base oil designed for use in all high-performance rotary air compressors/Screw Compressors where anti-wear and anti-aging oil is recommended. All grades are rust and oxidation inhibited and contains an effective anti-wear and anti-foam additives.

#### **Benefits**

- Increases reliability and longevity of Compressor systems.
- Reduction in the abrasion & wear.
- Thermal and Oxidative stability helps in maintaining clean compressor.

**Packing Size - 30 Ltr | 210 Ltr**





### HARLUBE SP Series

Spindle Oils are formulated from high quality mineral base oil designed for use in high performance where anti-rust, anti-corrosion and anti-foaming characteristics are required. These oils having good film strength, oxidation stability and excellent ability to separate from water due to demulsibility. Spindle Oil grades are rust and oxidation inhibited and contains an effective anti-wear and anti-foam additives. Recommended for lubrication of textile and machine tools spindle bearings.

#### Benefits

- Maintain film over entire critical lubrication surface.
- Reduction in the abrasion & wear.
- Thermal and Oxidative stability.

**Packing Size - 30 Ltr | 210 Ltr**



## Heat Transfer Oil / Thermic Fluid

### HARLUBE HTO 32

Mineral oil-based heat transfer fluid with excellent ageing and oxidation stability to cover a broad range of heat transfer applications. Formulated with base stocks and anti-oxidants additives to achieve maximum life with minimum residues.

#### Benefits

- Low volatility characteristics results in low top-up requirement.
- High thermal and oxidative stability leading to better life.
- Minimum viscosity change over a broad temperature range

**Packing Size - 30 Ltr | 210 Ltr**



## Quenching Oil

### HARQUENCH Series of Quenchants

Depending on application needs formulated with special additives that impart good speed of quenching and long life in the sump. Performance of oil is consistent for a longer period in comparison to other normal speed quenching oil. It provides uniform hardness.

**Cold Quenching Oils** include Normal and Medium speed oils mainly used for tool steel, general application suited for low and high alloy steels. These oils are generally preferred by heat treaters.

**Hot Quenching Oils** include marquenching and martempering oils mainly used for excellent ageing stability, better hardening efficiency, distortion control and long service life for small and large size components.

**Packing Size - 30 Ltr | 210 Ltr**



## Cutting Oil

### HARCUT Series of Cutting Coolants

Cutting coolants are formulated from high quality base oils and high-performance additives resulting in the reduction of abrasion and wear of tools during the process and high quality surface finishing.

**Neat Cutting Oils** are suitable for general and arduous machining operations including hobbing, grinding, drilling, tapping, broaching, deep hole drilling, cold heading and thread oil applications.

**Soluble Cutting Oils** are suitable for all types of general machining of ferrous and non-ferrous metals where cooling and oiliness is more important.

**Packing Size - 30 Ltr | 210 Ltr**



## Engine Oil



### HARLUBE EO Series (20W40, 15W40)

Harlube EO Series is high performance Multigrade Engine Oils formulated from high quality mineral base oils and additives to suit Diesel and Petrol engines.

#### Benefits

- Suitable viscosity for wide range of temperature and engines
- Maintains clean engine and minimizes the maintenance cost
- Anti-corrosive, Antiwear, Antirust and Antioxidant properties.

**Packing Size - 30 Ltr | 210 Ltr**

## Speciality Oil - Paper Tube

### HARLUBE MO/BO Series (Mandrel Oil and Bending Oil)

HARLUBE Mandrel Oils are economical lubricants designed to be used in the process of Winding paper tubes in DTY and POY machines. The oil facilitates pulling of the paper around the mandrel. Once lubricated, the paper tube is also easier to remove after winding.

HARLUBE Bending Oils are used where core bending and finishing is required in paper tubes.

#### Benefits

- Greater lubricity than any other products.
- Economical as compared to other products used.

**Packing Size - 30 Ltr | 210 Ltr**





## Lithium AP3

### Description

Harchem Lithium AP3 Grease is multi purpose lithium soap base grease having excellent shear stability, high load carrying properties. Recommended for anti-friction and plain bearing of general machinery & farm equipments.

### Benefits

- High Drop Point (Min. 180° C).
- Excellent thermal and structural stability.
- Good surface adhesion.
- Gives excellent protection against rust, corrosion and water wash out.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**



## Lithium EP2



### Description

Harchem Lithium EP-2 Grease is lithium soap base grease with EP additives having excellent water resistance properties, high oxidation & structural stability with anti-rust and anti-corrosion properties for lubrication of automotive and industrial equipments. Recommended for heavy duty plain & rolling element bearings in wide variety of applications such as steel plants, paper mills, heavy engineering, textile mills, mining, construction and general industrial machinery.

### Benefits

- Can be applied over wide range of temperature.
- Mechanically very stable and easily pumpable using grease gun due to its smooth structure.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**

## Chassis Grease

### Description

Harchem Chassis Grease is calcium soap grease designed for general chassis lubrication. Also recommended for the lubrication of track rollers and idlers of certain crawler type tractors.

### Benefits

- Excellent water resistance.
- Lasting qualities in spring shackles and steering connections.
- Acts as protective layer on exposed parts .
- Clings to bearing surfaces.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**



### Description

Harchem Wheel Bearing Grease is a sodium soap grease, recommended for lubrication of universal joints, wheel bearings, high temperature clutch release, generator and fan bearings and not exposed to moisture.

### Benefits

- High Drop Point (Min 180°C).
- Trouble free long service.
- Good structural stability under high temperature or centrifugal force.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**



## High Temperature Grease



### Description

Harchem High Temperature (HT) Grease is multipurpose Non-soap base grease having smooth structure with excellent ability to withstand extremely high temperatures and severe shock load conditions. It has excellent resistance to water washout and do not get affected by mild acids and alkalis. It is recommended for the lubrication of machine elements, plain bearings and anti-friction bearings operating at high temperatures between (120°C to 280°C).

### Benefits

- High temperature protection.
- Water resistant.
- Oxidation inhibited for long service.
- Adhesive to metal surfaces.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**

## Long Life GP

### Description

Harchem Long Life GP-3 Grease is calcium soap base, water resistant grease of medium consistency, recommended for use in majority of wheel bearings, water pumps, earth moving machines, agriculture and industrial equipment operating at moderate temperatures.

### Benefits

- Excellent water resistance.
- Lasting qualities in spring shackles and steering connections.
- Acts as protective layer on exposed parts .
- Clings to bearing surfaces.

**Packing Size - 1Kg | 5Kg | 10Kg | 18Kg | 180Kg**



*These are molten salts used for Marquenching, Austempering, Hardening, etc.  
The salt can be selected depending on the operating temperature range required.*

| Product                               | Application                                                                                                                                                              | Application Temperature Range (°C) | Melting Point (°C) |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------|
| <b>Hardening / Marquenching Salts</b> |                                                                                                                                                                          |                                    |                    |
| HM 135                                | Marquenching, Austempering                                                                                                                                               | 160-550                            | 135                |
| HM 150                                | Marquenching, Austempering                                                                                                                                               | 160-530                            | 150                |
| HM 220                                | Austempering                                                                                                                                                             | 260-540                            | 220                |
| HM 460                                | Neutral Quenching High Speed Steel                                                                                                                                       | 500-900                            | 460                |
| HM 660                                | Hardening                                                                                                                                                                | 700-900                            | 640                |
| HM 840                                | High Temperature Hardening                                                                                                                                               | 900-1300                           | 845                |
| <b>Water Additive Salt</b>            |                                                                                                                                                                          |                                    |                    |
| HM WQA                                | Accelerated quenching of plain carbon steels to achieve maximum hardness and can be used at temperature of about 50°C.                                                   |                                    |                    |
| <b>Blackening Salts</b>               |                                                                                                                                                                          |                                    |                    |
|                                       | Used on all type of mild steel parts, fasteners, produces uniform black oxide coat for decorative purpose and for rust preventive. Operating Temperature is 143°C-145°C. |                                    |                    |
| HM Black 15                           | Primary Blackening Salt for surface finishing of components after heat treatment.                                                                                        |                                    |                    |
| HM Black D                            | Activator to HM Black 15.                                                                                                                                                |                                    |                    |
| <b>Blueing Salt</b>                   |                                                                                                                                                                          |                                    |                    |
| HM Blue 225                           | Gives blue coat and surface finishing to enhance aesthetics in tools, shanks, cerclips, springs, band saws, hack saws blades etc. Operating Temperature is 300°C-360°C.  |                                    |                    |
| <b>Salt Bath Cover</b>                |                                                                                                                                                                          |                                    |                    |
| HM Cover                              | Preventing heat loss and surface oxidation in Salt Bath at high operating temperatures.                                                                                  |                                    |                    |
| <b>Salt Bath Rectifier</b>            |                                                                                                                                                                          |                                    |                    |
| HM SBR                                | Prevent surface decarburisation to keep the bath chemically clean.                                                                                                       |                                    |                    |





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