



MINING LUBRICANTS



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LanoPro and Mining

Who are we?

LanoPro is an independent company focusing on developing and offering high performance specialty lubricants. We supply conventional products but with a focus on environmentally friendly solutions.

We market and supply our extensive range of lubricants globally through our world-wide stock-points and regional distribution & sales partners. Since our inception, we have been investing and focusing on developing high-performance specialty lubricants in response to the increasing demand for environmentally friendly / bio-gradable lubricants in mining.

Our Mission: LanoPro shall offer high performance specialty lubricants with minimal environmental impact.

Our Vision: Making environmentally friendly lubricants the preferred choice.

The expertise we have gained over decades of supply to the Maritime, Offshore and Auto Mobile industry have given us unique knowledge of how to solve even the most demanding challenges.

Our product range for the mining industry is built on this experience and in cooperation with our customers within the mining sector.

LanoPro Knowledge and Expertise Understanding the Route to Value Creation

Mining is a critical and fundamental operation for our modern lives of today.


Production of minerals are spread all over the globe.

The minerals extracted stands for basic material used in many different areas important for the humanity.

Reliable and safe production is vital, the stress on the machinery and the environment are severe.

As stated in our mission, LanoPro works to offer the market products to improve production efficiency and at the same time minimize the environmental impact.

Our product range consists of both high end mineral and synthetic (petrochemical) products but we always have a green solution available.

Look for the  that indicates what products which are our green / environmental alternative in each segment.

Protection of machinery
is fundamental.
Protecting the environment
is vital.



Keep your machinery running

Strengthen your business edge

In mining, machinery equipment can be divided into two main categories:

Stationary equipment

Below some typical stationary equipment for processing of minerals.

- Mills and crushers
- Conveyers
- Kilns and dryers



Moving equipment

Below some example of different moving equipment for transporting of mineral materials.

- Giant bucket wheel excavators
- Draglines
- Mining trucks
- Electric mining shovels



Protecting Equipment, the Environment and Your Bottom Line



Multi-Service Grease

For the lubrication of plain, journal and rolling element bearings on a wide range of Mobile and Fixed Plant equipment including:

- Bucket and boom pins on shovels and excavators
- Boom point and hoist sheaves on draglines
- Propel bushes
- Mills, crushers and vibrating screens

Protective Priorities



- Resistance to mechanical shear
- Good mobility over a wide temperature range
- High film strength and surface adhesion
- Protection against load, wear and corrosion

Target Benefit



- Application versatility
- Reduced product inventory
- Extended component life
- Enhanced reliability

LanoPro Product Range for Multi-Service Applications *

LanoPro Complex HD2

is suitable for heavily loaded industrial applications where water wash is problematic. The product is also suitable for heavy-duty vehicles working outdoors in wet and dirty conditions.

LanoPro Super CSX HD2

The functional thickener with built-in EP and AW properties gives the product extreme load carrying capacity making it suitable for heavily loaded applications. Superb mechanical stability, good corrosion protection and excellent water resistance.

LanoPro Moly Grease 5 HD2

The extreme load carrying capacity and the excellent water resistance make the product a perfect choice for heavily loaded applications. The molybdenum disulphide gives extra protection in applications with slow moving or oscillating motions. Adhere to Caterpillar recommendations.

LanoPro Universal Grease HD2 EAL



The lithium complex thickener, gives the product a high degree of mechanical stability, which enhances the performance in vibrating housings and prolongs re-lubrication intervals.

* Product guides subject to proper technical evaluations. Contact your local LanoPro agent for specific requirements.

Open Gear Grease

For the lubrication of gear, rack and rail mechanisms on a variety of mining equipment including:

- Slew ring gears on excavators
- Hoist gears on draglines
- House rails on electric shovels
- Ball and roller bearings
- Bushings and slides
- King pins, sleeve bearings
- U-joints and chassis points.

Protective Priorities



- Excellent surface adhesion
- Resistant to “squeeze out”
- Superior protection under shock load and boundary lubrication conditions
- Act as a barrier to external contaminants

Target Benefit



- Enhanced protection of metal surfaces
- Closest possible to zero-wear
- Extended service life
- Reduced downtime

LanoPro Product Range for Open Gear Applications *



LanoPro Open Gear Grease HD0.5 EAL

Excellent water resistance and mechanical stability combine in an ideal technology platform for geared mechanisms exposed to the elements

LanoPro OG Grease ST0.5

The grease contains antioxidants and corrosion inhibitors. The functional thickener with built-in EP and AW properties gives the product extreme load carrying capacity making it suitable for heavily loaded applications.



LanoPro Mining Grease EP2 EAL

The product is an excellent allround multi-purpose grease specifically suitable for mining applications / wet conditions. The lubricating grease has outstanding corrosion protection, adhesion and water resistance properties,. Suitable for lubrication of heavily loaded bearings and gears and in wet and corrosive environments, even at low temperatures.

* Product guides subject to proper technical evaluations. Contact your local LanoPro agent for specific requirements.

Wire Rope Grease

For the dressing and protection of wire ropes, chains and slides on mining equipment including:

- Draglines
- Shovels
- Bucket wheel excavators
- Cranes

Protective Priorities



- Water resistance
- Surface adhesion
- Corrosion protection and anti-wear performance

Target Benefit



- Extended component life
- Reduced maintenance and downtime
- Reduced product consumption

LanoPro Product Range for Wire Rope Applications *

LanoPro Mining Grease EP2 EAL

Excellent for lubrication & protection of steel wire ropes / cables. The lubricating grease has superlative corrosion protection, adhesion and water resistance properties.



LanoPro Heavy Duty Grease HD2 EAL

The extreme load carrying capacity, the anti-seize properties and the excellent water resistance make the product a perfect choice for heavily loaded operations. Perfect choice as an anticorrosive protection for wires and equipment. Contains solids.



LanoPro Open Gear Grease HD0.5 EAL

Biodegradable grease suitable for high tension wire ropes, open gear applications. It is also suitable for very highly loaded applications in industry where wet and dirty environments are present.



LanoPro Wire Grease ST 1.5

The grease has excellent mechanical stability, good corrosion protection and water resistance which are important in wet and corrosive environments.

* Product guides subject to proper technical evaluations. Contact your local LanoPro agent for specific requirements.

Rock Drill Grease

In both open cast and underground mining, the exploration and excavation of mineral deposits is partly reliant on rock drills.

Whether for hand held pneumatic drills or for onboard mobile drill rigs, drill rod reliability and life can be improved with appropriate lubricant protection.

Protective Priorities



- Excellent protection from shock loads and vibration
- Superior water resistance and adhesion to drill rod surface contaminants

Target Benefit



- Extended life of drill rods
- Reduced vibration of drill string
- Reduced maintenance and downtime

LanoPro Product Range for Rock Drill Applications *

LanoPro Super Syntethic Grease HD 2

The complex soap structure gives the product a high degree of mechanical stability, which enhances the performance in vibrating housings and prolongs relubrication intervals. Enhanced ability to resist vibrations and shock loads, as well as an increased ability to carry high loads.

LanoPro Moly Grease 5 HD2

Suitable for applications exposed to extremely high loads and very wet environments. Contains 5% molybdenum disulphide for applications where solid particles are requested as an extra protection.

LanoPro Mining Grease EP2 EAL

The lubricating grease has excellent corrosion protection, adhesion and water resistance properties, suitable for lubrication of heavily loaded applications and in wet and corrosive environments, even at low temperatures.

LanoPro Heavy Duty Grease HD2 EAL

The extreme load carrying capacity, the anti-seize properties and the excellent water resistance make the product a perfect choice for heavily loaded operations and similar applications where surfaces separation under static loads are essential.

* Product guides subject to proper technical evaluations. Contact your local LanoPro agent for specific requirements.

Other Products for Mining

Our diverse range of Specialty & Cleaning products offers mining operations comprehensive support for a wide array of applications.

Specialty Products

LanoPro Leak Stop

- Avoids unforeseen & untimely repair costs
- Increase lifespan substantially
- Easy to use and Quick effect

LanoPro Coating 15 EAL

- Protection against corrosion
- Stops corrosion
- Non-toxic

LanoPro Coating 50 EAL

- Long time Protection against corrosion
- High penetration
- Non-toxic

LanoPro Wire Oil 30 EAL

- Corrosion protection for wires
- Suitable for all types of wires
- Completely non-toxic

LanoPro Green Shield Spray

- Convenient spray box
- Penetrates extremely well
- Great corrosion protection

Cleaning Products

LanoPro Multi Cleaner EF-101

- Highly efficient
- Water based cleaner
- Biodegradable

LanoPro Turbo Cleaner EF-103

- Heavy duty cleaner
- Effectively removes asphalt, oil and fat
- Only readily biodegradable substances

LanoPro Hand Cleaner

- Professional solvent-free handcleaner
- Contains natural scrubber
- Skin refattening

LanoPro Orange Cleaner

- Solvent-free and pH neutral
- High quality ingredients
- Skin friendly abrasives

LanoPro Heavy Duty Wipes

- Fast effect for hand cleaning
- Dissolves grease, oils and dirt
- Scrubbing effect

Hydraulic Oils and Wire Lubricators

Our diverse range of Specialty & Cleaning products offers mining operations comprehensive support for a wide array of applications.

Hydraulic Products

LanoPro Hydraulic Oils is an extremely modern, biodegradable, hydraulic oil, based on synthetic esters. The latest additives technology, combined with synthetic base oils, provides LanoPro Hydraulic Oils with the following special properties

- Outstanding wear and corrosion resistance: long and reliable service life of hydraulic components
- A high and stable viscosity index: ensures that the hydraulic system operates consistently, whatever the temperature conditions
- Does not affect seals: no risk of leakage
- Stable oxidation, even at a high temperature: long-life hydraulic oil

Available in following grades:
ISO 32, 46, 68 and 100

For more information see our website www.lanopro.com



Viper Wire Lubricator

Fast and effective lubrication of wire ropes with a diameter between 6mm to 165mm. The Viper lubricates ropes at up to 2000m/h. Recommended for use with ROV Cables, Vessel Crane Ropes, Underwater Wire Ropes and Drag Lines. The Viper Wire Rope Lubricator provides grease penetration, moisture displacement and total coverage by forcing lubricant into the core of the rope.

- Increases the life of wire ropes by up to 300% compared to manual lubrication.
- Reduces relubrication time of ropes from several days to several hours compared to manual lubrication
- Environmental benefit with less lubricant used and discarded
- Easy to mount on ropes
- Single Person Operation
- Cost effective preventative maintenance solution.

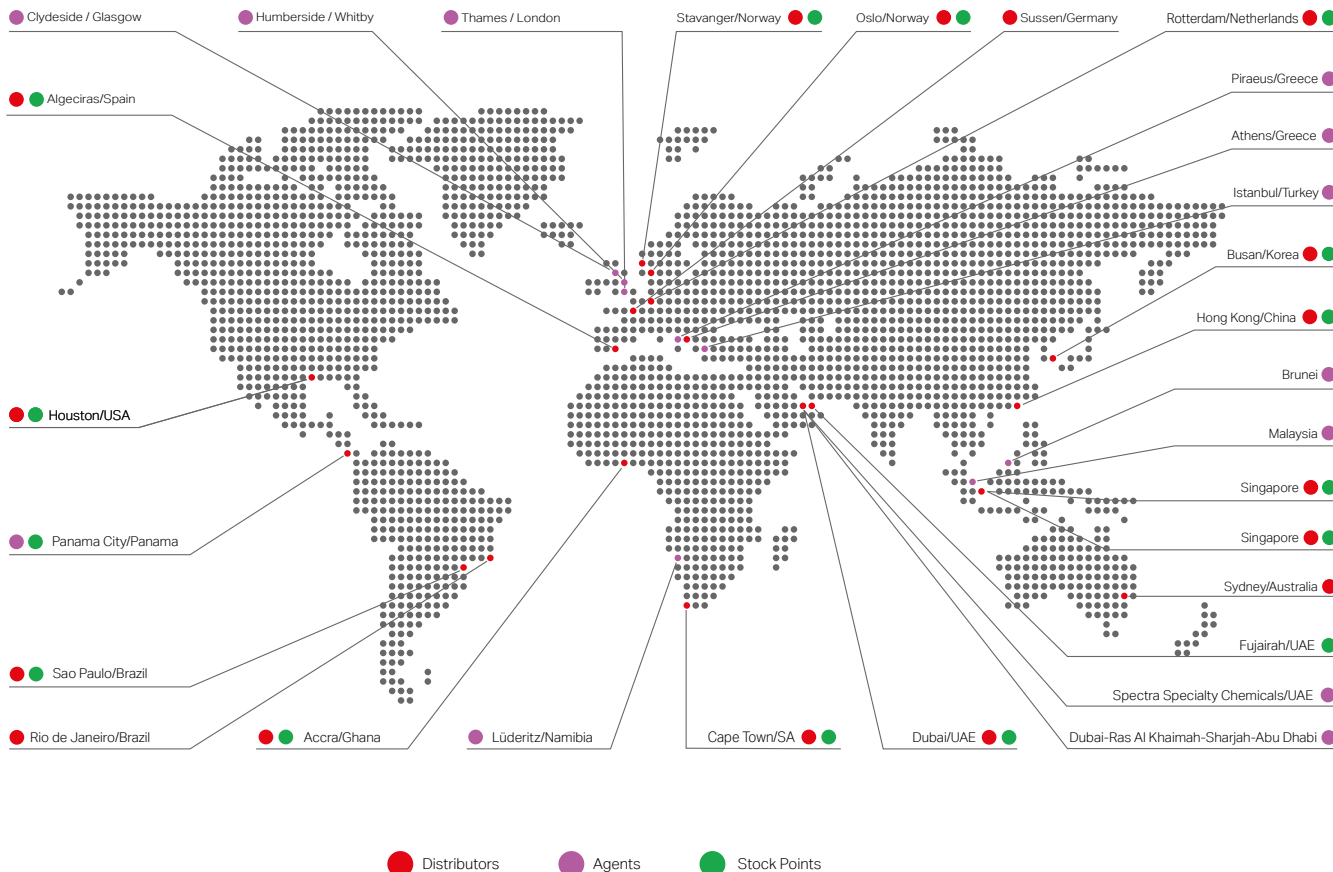


LanoPro - Your Global Partner

Serving leading companies across the globe

With years of experience, LanoPro has expanded dramatically to become one of the leading global suppliers of lubricating greases.

LanoPro offers high end solutions through a worldwide network of partners and conveniently located stock points.

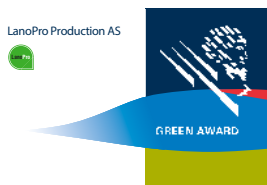


LanoPro - Unique Offerings

Premium Services

- **Specialist in Environmentally Acceptable Lubricants** (EAL's), biodegradable, environmentally friendly sustainable technologies.
- Supply of the industry's top performing, **state-of-the-art**, high end lubricants extending maintenance intervals & equipment life.
- **Worldwide technical support** through our global network and website (login) service.
- **Competitive Pricing** to reduce costs & improve profitability, enabling mines to do more with less.
- **Short lead time** through our global network of distributors, agents & conveniently located stockpoints.

Our Certificates



Notes

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