



# **TEC** **PLEX**<sup>®</sup>



**COAST LUBRICANTS  
& INDUSTRIAL SUPPLY**

**MINING**







## MINING CHALLENGES

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As available resources become scarce, today's mining operations are pushing the boundaries of exploration using new and innovative techniques. Sites are starting to dig deeper, and companies have begun to explore previously "off-the-grid" sites in extreme locations. When equipment is pushed to the edge of technical capabilities, every hour of uptime... every day added to a maintenance interval... can be the difference between success and failure.

## OUR BACKGROUND

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We are a specialty chemical company with a portfolio of coatings and lubricants designed to extend the life of durable equipment exposed to extreme conditions. Founded in 1935, we have become a preferred solution provider to the global automotive industry, the US military, and various other heavy industries. Our technology is designed specifically to prevent corrosion while providing lubrication under the heaviest loads in the most extreme conditions.

## CHEMISTRY & BENEFITS

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Unlike other lubricant manufacturers who make grease and other fluids from additive packages and base oils, We are a fully-integrated chemical company that makes its own functional chemistry to prevent corrosion and wear. Our world-class, fully-synthetic sulfonate chemistry allows our lubricants to withstand the most extreme loads in the mining industry, while preventing wear on moving parts without over-reliance on additives that tend to have a limited usable life. The result is a lubricant that lasts longer and protects better than other available options.

## ENVIRONMENTALLY FRIENDLY

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The TecPlex' line of calcium sulfonate greases provide mining operators with number of improvements to their environmental footprint. The improved life of our greases allows for reduced lubricant consumption... creating less waste. In addition, the lack of reliance on additives in our formulations eliminates a source of heavy metal additives that would be a source of toxicity concerns. Furthermore, our rust preventive coatings come in a variety of low-VOC options for safer indoor application.



# INDUSTRIAL LUBRICANTS

## ***TECPLEx*** HP Mining Greases

Greases rated for extremely heavy loads, that meet or exceed OEM specifications. Based on Calcium Sulfonate and Molybdenum Disulfide.

## ***TECPLEx*** Arctic Mining Greases

Off-road greases formulated with 100% synthetic base oil for maximum protection in extreme cold.

## ***TECPLEx*** Emerald Series

High-performance greases for heavy loads without the use of Molybdenum Disulfide.

## ***TECPLEx*** Off-Road Greases

Non-Moly greases for general purpose off-road equipment.

## ***TECTYL*** 438

Best-in-class wire rope field dressing for dragline, boom, and haulage ropes. Prevents wear and protects from corrosion.

## ***TECTYL*** 900

Water displacing, low viscosity lubricating oil and corrosion preventative compound. Meets Mil-Spec MIL-PRF-32033.



## ***TECPLEx*** HIGH PERFORMANCE MINING GREASES

### ***TecPlex*** 0150HP, 1150HP, 2150HP (Grade 0-2, ISO 150)

Provides the mining industry's highest level of performance for the lubrication of equipment in open pit mining operations. Engineered with 5% molybdenum disulfide, it will protect equipment from the stress of frequent shocks of scooping/hauling/grinding massive loads of earth.

Designed to exceed OEM specifications for weld point with an 800kg rating. Goes beyond typical mining greases to improve uptime and extend the life of bearings, pins, bushings, and other parts. Also effective as a wire rope lubricant for shafts and drag lines.

### ***TecPlex*** 00150HP (Grade 00, ISO 150)

The mining industry's leading high performance grease in a thin, semi-fluid format for easy handling and sprayability. Used for the lubrication of equipment in massive open pit mining operations, this grease is ideally designed for use on open gears and wire ropes. Engineered with 5%

molybdenum disulfide, it will protect equipment from the stress of frequent shocks of scooping/hauling/grinding massive loads of earth. Provides significant protection as a rust preventive coating wherever it's applied, further ensuring the uptime of critical machinery.



## **TEC PLEX** ARCTIC SERIES

*Heavy Loads, Synthetic Base Oil, Blue Color*

### **TecPlex® 0220SB, 1220SB, 2220SBT (Grades 0-2, ISO 220)**

Designed to protect precision parts and valves exposed to high pressure and water wash. Engineered with a synthetic base oil (PAO) and thickened with next-generation calcium sulfonate grease technology, these products provide maximum protection to difficult applications in a wide variety of operating temperatures (down to -40C) while protecting from salt and chemical corrosion using Daubert's proven military grade rust preventive.

## **TEC PLEX** EMERALD SERIES

*Extreme Loads, No Moly, Green Color*

### **TecPlex® 0460EPG, 1460EPG, 2460EPG (Grades 0-2, ISO 460)**

Designated the "Emerald" series for its green color, these greases strike the right balance between performance and value. The TecPlex Emerald Series provides an 800 kg weld point without the added cost of moly, thus providing your operation with a cost-effective solution for mining operations of any size. Made with a high viscosity base oil, this grease will withstand wet climates and protect from corrosion in the worst conditions.

## **TEC PLEX** OFF-ROAD SERIES

*General Purpose, No Moly*

### **TecPlex® 2220 (Grade 2, ISO 220)**

Provides heavy duty protection to a wide range of vehicles and small motors. Lubricates while protecting from salt and corrosion using Daubert's proven military-grade rust preventive chemistry. Our unique thickener matrix uses no polymers, known to create deposits on gears and other precision parts at high temperatures and speeds. Unparalleled stability under high shear and high temperatures.

### **TecPlex® 2460TK, 2680TK (Grade 2, ISO 460 and 680)**

Originally developed for steel mill applications, this grease has shown tremendous tenacity under extreme pressure and heat. As a mining grease, it has proven itself to be a valuable lubricant to extend the life of most equipment exposed to hot climates and/or wet conditions. Versatile enough to be used on conveyors and shovels. Affordable price by avoiding the use of costly solids like moly.

## **WIRE ROPE DRESSING**

### **TECTYL® 438**

Recommended by wire-rope manufacturers, Tectyl 438 is a best-in-class wire rope dressing designed to prevent premature wear and corrosion in mining ropes. As a grease-like coating, it is typically applied to ropes through the use of a lubricating "collar" (e.g. Kirkpatrick system). The dressing is based on a thick version of Daubert's military-grade rust preventive coating technology.

It is resistant to "fling off" caused by centrifugal force when the rope turns on sheaves and drums. In addition, the use of lubricating solids prevents wear caused by wire strands rubbing against each other. Compatible with Tectyl 4110 Wire Rope Lay-Up Lubricant used in the manufacturing of wire ropes for the mining industry.

## **WD LUBRICATING OIL**

### **TECTYL® 900**

A water displacing, low viscosity lubricating oil and corrosion preventive compound. Approved to Federal Specification MIL-PRF-32033,

QPL Reference Number LP-7062. Provides protection to ferrous and non-ferrous industrial parts during storage and covered transit.





## CORROSION PREVENTION

### ***TECTYL® 4110***

Extremely tenacious wire rope production lubricant with unparalleled protection from strand on strand wear.

### ***Safecote 700-72***

Thin film, long-term corrosion preventative coating for OEM spare parts. Does not attract rust.

### ***SACI 2737***

API-compliant threaded pipe connection storage compound with salt spray protection in excess of 5,000 hrs.

### ***16173E Mil-Spec Coatings***

General purpose rust preventative coatings for short-term outdoor storage. Useful for equipment on off-shore drilling rigs exposed to corrosive salt water environments.

### ***Nox-Rust VCI 10***

Preservative oil used to protect enclosed engine cylinders and fuel tanks from corrosion during extended periods of non-use.

## OEM COATINGS

### ***TECTYL® 4110 Wire Rope Lay-Up Lubricant/Coating***

A coating used in the production of wire ropes for extreme mining applications. The product offers exceptional protection from corrosion caused by high humidity, acidic, and salty air. Provides a firm, wax-like film, which will not oxidize... extending the life of the rope.

Solid at room temperature, the product is heated to approximately 185°F and pumped over stranding wires just prior to entering the forming die on strander. Compatible with Tectyl 438 Wire Rope Field Dressing for relubrication of wire ropes in service.

### ***SAFECOTE 700-72 Water-Based, Thin Film Rust Preventive***

A rust preventive coating intended for use as a final preservative coating for spare OEM production parts kept in storage or sent for overseas shipment. The product deposits an extremely thin film (1.5-mil) from a water emulsion system with virtually no VOCs.

Available as a clear coating. Once dry, the coating is extremely tenacious yet resistant to dust collection, keeping the part ready-for-use without the need to clean. Excellent high humidity and salt spray protection properties.





## FIELD-APPLIED COATINGS

### ***SACI® 2737 API Pipe Thread Storage Compound***

A soft, grease-like coating used to prevent rust on the threads of oil pipes while in storage. The coating is self-healing if disturbed, and can withstand extended periods of outdoor storage in most climates. Meets API requirements,

and exceeds most other traditional storage compounds in salt fog performance. SACI 2737 has been tested to show superior protection from rust in excess of 5,000 hours, nearly double the duration of most alternatives.

### ***MIL-SPEC COATINGS MIL-PRF-16173E AND MIL-C-16173E***

We manufacturer a full range of solvent cutback rust preventive coatings that that became popular during World War II to protect military equipment from corrosion. The coatings are an oily/waxy amber film that differs only in viscosity and corrosion protection performance.

These coatings have become popular in general industry to protect spare parts while in storage, or sensitive parts of large equipment while in transit or down time. The products can be sprayed, painted, or dip-applied. Most are easily removed with citrus or alkaline cleaner.

### ***NOX-RUST® VCI-10 PRESERVATIVE OIL***

NOX-RUST VCI-10 is intended for use in the preservation of enclosed systems where the volatile components will provide rust protection above the oil level. It provides an effective contact preservative oil film. Typical examples of “closed” systems in which NOX-RUST VCI-10 is used to protect metal from damaging rust include: fuel tanks, storage tanks, cylinders, transmissions, metal containers, gear housings, clutch compartments, crankcases, hydraulic and coolant circulating systems.

Conventional lubricating or preservative oils slushed or fogged into such systems will drain away from the vertical metal surfaces in about six months, exposing the metal to moisture, condensation and corrosion. While NOXRUST VCI-10 also drains away, the vaporizing rust inhibitors evolving from the product spread throughout the void or system and neutralize the corrosion-causing tendency of the moisture present in the air. NOX-RUST VCI-10, being highly fortified with contact inhibitors, also protects the metal below the oil level.

The logo for TEC PLEX, featuring the word "TEC" in black and "PLEX" in red, both in a bold, italicized sans-serif font. A red horizontal line is positioned below the text.

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