



Mining

**Our industry knowledge runs deep**

**RbL** Knowledge Products Services  
The mining industry has complex and specialized lubrication needs.

When you choose Chevron Lubricants, your company has access to know-how that comes from decades of lubrication industry leadership.

We also offer a partnership with our highly trained lubrication specialists who are ready to lend their expertise to deliver cost-effective, preventive and predictive maintenance recommendations.

**The products to keep you moving wherever business takes you**

Equipment reliability is paramount to success in your industry. It allows you to maximize your Overall Equipment Effectiveness, which helps to increase the value of your primary assets. It pays to have a collaborative partner like Chevron Lubricants supplying today's most advanced products. Our premium products include coolants, greases and oils to meet the most stringent industry and manufacturer specifications. These products help increase uptime, maximize engine life and bolster your bottom line.

**The added value of lubrication services**

Airborne contamination from dust, moisture and debris can compromise the integrity of your lubricants and machinery. Our **ISOCLEAN® Fluid Conditioning Services** provide on-site contamination control for circulating lubrication systems, reducing equipment failure and downtime.

A mine's mobile equipment can consume your maintenance budget, with haul trucks making up the largest percentage of these costs. Chevron's **LubeWatch®** oil analysis program helps

# Reliability-based Lubrication for the Mining Industry



Properly maintained machinery runs cleaner and lasts longer, benefiting the environment and your bottom line. Chevron will help you reduce unnecessary lubricant consumption and assist you in managing waste in a responsible and cost-effective way.

you extend the maintenance interval for haul truck engines, transitioning from a reactive to a predictive maintenance approach.

The **Computex® Fleet** equipment optimization program enables you capture, track and analyze your fleet's total cost of ownership metrics. It can also integrate your fuel management and oil analysis programs. For your plant operations, **Computex® MMS** is a flexible, powerful, online lubrication

maintenance management system that helps you schedule preventive maintenance (PM), automatically generate PM work orders, and access lubrication routing and scheduling data through PDAs, mobile PCs and wireless devices.

**A legacy of reliability**

At Chevron, we've created a corporate culture built around safety and reliability. We combine that with our legacy of industry leading innovation in product

formulation to deliver Reliability-based Lubrication for our construction industry partners. It's an extension of who we are, and it sets us apart from lubricant vendors that just talk about reliability. At Chevron, we live it. If you could use more reliability from your equipment or your lubrication partner, please contact your Chevron Representative, call Chevron at 1-866-354-4476, or visit us online at [www.chevronlubricants.com](http://www.chevronlubricants.com). We'll be there for you.

Reliability-based Lubrication (RbL™) isn't just about lubricants. It's a powerful combination of Industry knowledge, targeted products and customized services for your mining operation. Chevron RbL is a comprehensive, proactive approach to achieving lubrication excellence, which helps you optimize your equipment performance and reach your financial goals.

With one of the largest distribution networks in the industry, Chevron has the infrastructure to deliver the lubrication products and services you need whenever and wherever you need them.

From our global operational reach to the depth of our experienced personnel, we stand for one thing above all else: **reliability.**

**How Reliability-based Lubrication works for you**

Few jobs are more challenging than mining. Not only are there forces of nature to overcome, you also have to endure the pressures of a highly competitive marketplace – which underscores the value of partnering with Chevron Lubricants.

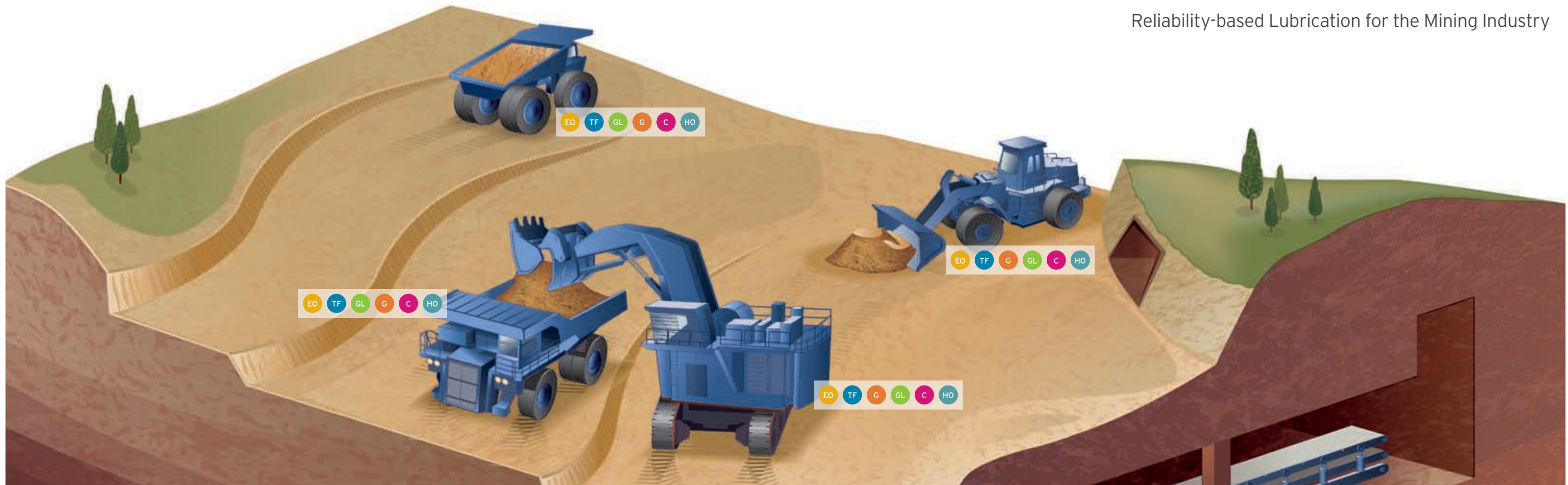


**Chevron's RbL approach helps you attain:**

- Reduced maintenance costs
- Improved equipment reliability
- Greater operational effectiveness
- Extended service intervals

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)





**Knowledge**

**Global Network of STLE Certified Lubrication Specialists**  
 The Society of Tribologists & Lubrication Engineers standardizes the body of knowledge which a lubrication specialist must possess, and certifies those individuals who can demonstrate expertise in critical areas of lubrication technology

**LUBE TEK Knowledge Resource Center**  
 • 1-800-582-3835  
 • Lubetek@chevron.com

**Lubricants University**  
 Comprehensive website offering online lubricant products and applications training and information on lubrication technologies, trends, issues and solutions

**Products**

Compressor Oils	Grades
<b>HiPerSYN® Oils</b> For use in air compressors, especially portable and stationary rotary, vane, and screw compressors	ISO 32, 46, 68, 100, 150, 220, 320, 460
<b>Syntholube® Compressor Oils</b> For portable and stationary rotary screw, rotary vane, and reciprocating compressors	ISO 32, 46, 68, 100, 150
<b>Tegra® Synthetic Compressor Oils</b> For most compressors, especially portable and stationary rotary vane and screw compressors as well as single-stage, two-stage, and multi-stage reciprocating compressors	ISO 32, 46, 68, 100, 150

**Products (continued)**

Engine Oils	Grades
<b>Delo® 100 Motor Oils</b> For use in two- and four-stroke diesel engines	SAE 30, 40
<b>Delo 400</b> For all four-stroke gasoline and diesel engines operating under severe service and subjected to wide variations in climatic conditions	SAE 10W, 20, 30, 40, 50
<b>Delo 400 LE</b> Specially formulated for new low emission engines with ULSD (2007 engines and beyond)	SAE 5W-40, 10W-30, 15W-40
<b>Delo 400 Multigrade</b> For all naturally aspirated and turbocharged four-stroke gasoline and diesel engines in which the API CI-4 PLUS grade and SAE 15W-40 viscosity grade are recommended	SAE 15W-40
<b>Delo 400 Synthetic</b> For use in diesel and four-stroke cycle gasoline engines, torque converters, gear cases, and hydraulic systems operating year-round in arctic-type climates	SAE 0W-30, 5W-40
<b>Ursa® Super Plus</b> For four-stroke naturally aspirated, turbocharged, and supercharged diesel engines	SAE 30, 40, 50
<b>Ursa Super Plus EC</b> For four-stroke naturally aspirated, turbocharged, and supercharged diesel engines	SAE 15W-40

**Products (continued)**

Transmission Fluids	Grades
<b>Delo Trans Fluid ESI®</b> For use in heavy-duty manual transmissions, such as those manufactured by Eaton and Meritor	SAE 40
<b>Delo Synthetic Transmission Fluid</b> For factory and service fill of heavy-duty manual transmissions, such as those manufactured by Eaton, ArvinMeritor and Mack	SAE 50
<b>RPM® Synthetic Transmission Fluid</b> For factory and service fill of heavy-duty manual transmissions, such as those manufactured by Eaton, ArvinMeritor and Mack	SAE 50

Greases	Grades
<b>Delo Greases EP</b> For extreme duty in a wide variety of on- and off-highway vehicle and equipment applications	NLGI 00, 0, 1, 2
<b>Delo Heavy Duty EP, Moly 3% EP, and Moly 5% EP</b> For use in a wide variety of off-road construction applications including all types of heavy-duty earth moving machinery	
<b>RPM Arctic Grease</b> For use in automotive and industrial applications where extreme low temperature performance is required, and for environments with a wide temperature range	NLGI 1

**Products (continued)**

Gear Lubricants	Grades
<b>Delo® Gear Lubricants ESI®</b> For all types of automotive and industrial bearings and gears, particularly those operating under high temperature and load conditions	SAE 80W-90, 85W-140
<b>Delo Synthetic Gear Lubricant</b> For rear axles and differentials in over-the-road and off-road vehicles when operating under severe conditions and in extremely cold or hot environments	SAE 75W-90
<b>RPM® Arctic Gear Lubricant</b> For all automotive rear axle and manual transmission gears operating in severe arctic climates, or where the manufacturer recommends a viscosity range lighter than conventional SAE 80W-90 or 85W-140 gear lubricants	
<b>RPM Gear Oils</b> For automotive or industrial equipment where the equipment suppliers recommend the use of straight mineral oil in SAE viscosity grades 90 or 140. Also for use when protection is desired from copper or bronze components and where the equipment is susceptible to attack by oils containing sulfur-phosphorus compounds.	SAE 90, 140
<b>RPM Synthetic Gear Lubricant</b> For rear axles and differentials in over-the-road and off-road vehicles when operating under severe conditions and in extremely cold or hot environments	SAE 75W-90
<b>RPM Universal Gear Lubricants</b> For use in all spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings	SAE 80W-90, 85W-140

**Products (continued)**

Open Gear	Grades
<b>Open Gear Grease</b> For use in all open gears, for chain and sprocket lubrication, and as a tenacious fifth wheel lubricant	
<b>Open Gear Lubricants</b> For mining equipment such as girth and pinion gears on rod and ball mills; rack and pinion gears on shovel dipsticks; and swing and pinion gears on top of the lower frame of shovels and draglines (meet Bucyrus-Erie and P&H requirements for electric shovels and draglines)	100 NC, 250 NC, 800 NC

Coolants	Grades
<b>Delo Extended Life Coolant/Antifreeze</b> For use in on-road, off-road and stationary engine applications (available with or without Bitterant)	Coolant/Antifreeze, Prediluted 50/50, Prediluted 60/40 extender
<b>Delo Extended Life Coolant/Antifreeze Nitrite Free®</b> For use in heavy-duty equipment including on-road, off-road and stationary applications that require a nitrite-free product (bittered version available)	Coolant/Antifreeze, Prediluted 50/50
<b>Delo Extended Life Coolant/Antifreeze PG</b> For use in all heavy-duty applications including on-road and off-road heavy-duty diesel applications where a propylene glycol, silicate and phosphate free coolant are recommended	Coolant/Antifreeze, Prediluted 50/50

**Products (continued)**

Hydraulic Oils	Grades
<b>Ursa® Hydraulic Oil</b> For all heavy-duty on- and off-highway mobile hydraulic systems, Caterpillar hydraulic systems requiring a fluid that meets Caterpillar TO-2, and pump applications requiring a Vickers 35VQ25A hydraulic oil	SAE 10W

**Services**

**Business Point**  
 The Business Point web site provides you easy access to business critical information and transactions online, where you can obtain invoices, statements, place orders and track order status.

**Computex® Fleet**  
 Computex Fleet is a software "engine" which enables you to capture, track and analyze your fleet's Total Cost of Ownership (TCO) metrics, and can integrate your Fuel Management and Oil Analysis programs.

**Delo® Warranty Plus**  
 Chevron Products Company warranty for the performance of: Delo Heavy Duty Motor Oils, Delo Extended Life Coolants/Antifreeze, Delo Gear Lubricants ESI, Delo Synthetic Gear Lubricants, Delo Greases EP and Chevron Delo Synthetic Grease SF.

**LubeWatch® Oil Analysis**  
 LubeWatch oil analysis program is designed to help you optimize equipment life and oil replacement intervals, identify lubricant-related needs and understand the changing environment within a piece of equipment.