



Reliability-based Lubrication for the Mining Industry



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 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 to 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
- Manage and track inventory
- Access equipment and parts histories
- Track maintenance contracts
- Access lubrication routing and scheduling data through PDAs, mobile PCs and wireless

Best of all our Computex Fleet program can be fully integrated into Computex MMS to manage your fleet requirements.

Issues shaping the future.

Actively addressing environmental impacts is an opportunity for mining companies to achieve sustainable growth. 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.

Safety, another key issue, also is one of Chevron's core values. It runs through every action we take, from the formulation of our products to the training we provide your employees. Our role as your lubrication partner isn't complete until we've helped make your workplace more efficient, reliable and safe.

A legacy of reliability.

At Chevron, we've created a corporate culture that revolves 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**. We'll be there for you.

With Chevron's lubrication solutions, reliability is built in.

Reliability-based Lubrication (RbL™) isn't just about lubricants. It's a powerful combination of knowledgeable people, targeted products and customized services for your mining environment. Chevron RbL is a comprehensive, proactive approach to achieving lubrication excellence, which helps you add value to your business and achieve 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. 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.

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 Global Lubricants.

Reliability-based lubrication provides you with quality products, strong technical support, in-depth, on-site training and the latest in preventive and predictive maintenance services.

We create dependable, high-performance lubricant and coolant solutions that help you attain:

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

Taken together, our premium products and services offer maximum protection for your vehicle and equipment, which helps to reduce your total cost of ownership.

Our industry knowledge runs deep.

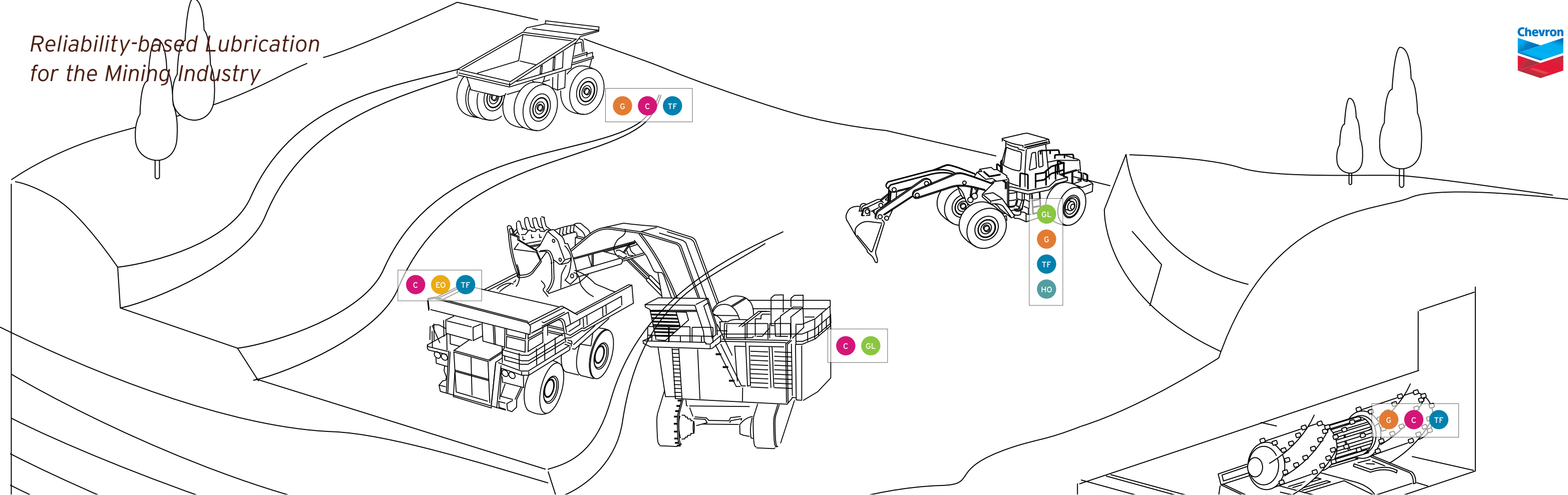
The mining industry has complex and specialized lubrication needs. When you partner with Chevron Global Lubricants, your company has access to know-how that comes from decades of lubrication industry leadership. In addition to hands-on training, we offer an online resource at **www.LubricantsUniversity.com**. The site is also a portal for online education designed to enhance the skill set of your maintenance professionals. It also includes information on relevant technologies, trends, issues and solutions.



“The Chevron team has supported our efforts since day one and is equally invested in our success. Our partnership with Chevron has given us the assistance we need to surpass our goals while significantly improving our bottom line. We could not have come this far without them.”

–Wade Sivertson
Maintenance Planner
San Miguel Mines

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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

Compressor Oils	Grades
HiPerSYN® Oils For use in air compressors, especially portable and stationary rotary, vane, and screw compressors	ISO 32, 46, 68, 100, 150, 220, 320, 460
Syntholube® Compressor Oils For portable and stationary rotary screw, rotary vane, and reciprocating compressors	ISO 32, 46, 68, 100, 150
Tegra® Synthetic Compressor Oils 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

Engine Oils	Grades
Delo® 100 Motor Oils For use in two- and four-stroke diesel engines	SAE 30, 40
Delo® 400 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
Delo® 400 LE Specially formulated for new low emission engines with ULSD (2007 engines and beyond)	SAE 10W-30, 15W-40
Delo® 400 Multigrade 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
Delo® 400 Synthetic 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
Ursa® Super Plus For four-stroke naturally aspirated, turbocharged, and supercharged diesel engines	SAE 30, 40, 50
Ursa® Super Plus EC For four-stroke naturally aspirated, turbocharged, and supercharged diesel engines	SAE 15W-40

Transmission Fluids

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

Greases

Greases	Grades
Delo® Greases EP For extreme duty in a wide variety of on- and off-highway vehicle and equipment applications	NLGI 00, 0, 1, 2
Delo® Heavy Duty EP, Moly 3% EP, and Moly 5% EP For use in a wide variety of off-road construction applications including all types of heavy-duty earth moving machinery	
RPM® Arctic Grease 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

Gear Lubricants	Grades
Delo® Gear Lubricants ESI® For all types of automotive and industrial bearings and gears, particularly those operating under severe temperature and load conditions	SAE 80W-90, 85W-140
Delo® Synthetic Gear Lubricant 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
RPM® Arctic Gear Lubricant 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	
RPM® Gear Oils For any automotive or industrial equipment where the equipment suppliers recommend the use of straight mineral oil in SAE viscosity grades 90 or 140, and for any equipment where copper or bronze is present and susceptible to attack by oils containing sulfur-phosphorus compounds	SAE 90, 140
RPM® Synthetic Gear Lubricant 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
RPM® Universal Gear Lubricants For use in all spiral bevel and hypoid differentials, power dividers, and oil-lubricated steering axle wheel bearings	SAE 80W-90, 85W-140

Open Gear

Open Gear	Grades
Open Gear Grease For use in all open gears, for chain 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)	
Open Gear Lubricants 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

Coolants	Grades
Delo® Extended Life Coolant/Antifreeze 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
Delo® Extended Life Coolant/Antifreeze Nitrite Free® For use in heavy duty equipment on-road, off-road and stationary applications that require a nitrite-free product (bittered version available)	Coolant/Antifreeze, Prediluted 50/50
Delo® Extended Life Coolant/Antifreeze PG 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

Hydraulic Oils	Grades
Ursa® Hydraulic Oil 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 website 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 and Delo Greases EP & 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.