



MINING



CHEVRON LUBRICANTS CAN HELP YOU RUN BETTER LONGER

LUBRICANTS FOR THE MINING INDUSTRY

Unearth Deeper Dependability

Your mining business relies on premium lubricants to help reduce downtime and prevent unscheduled maintenance. Rely on Chevron to help keep profitability piling high—with our extensive lubricants portfolio and vast reserves of industry expertise to help you cut costs, drive production and build a more reliable mining operation.

Rely on Chevron to help you reach the potential to:

- Maximize Engine and Equipment Durability
- Extend Service Protection
- Improve Supplier Performance
- Improve Fuel Efficiency



Clarity[®] Synthetic
Hydraulic Oil AW





REACH A NEW LEVEL OF RELIABILITY WITH THE RBL[™] PROGRAM


Reliability matters at every step of the value chain. Chevron specialists can help add even more value to your lubrication program by providing expertise along with world-class products and targeted services—all working in sync to help you get the most out of your equipment and operations, time and time again.





To learn more, contact your marketer.



CHEVRONLUBRICANTS.COM/RBL

ENGINE OILS	GRADES
Delo® 400 LE Synthetic For naturally aspirated and turbo-charged, four-stroke diesel engines and four-stroke gasoline engines, in which API CJ-4 or SN service categories are recommended.	SAE 5W-40
Delo 400 XLE Synblend For naturally aspirated and turbo-charged four-stroke diesel engines and four-stroke gasoline engines, in which the API CJ-4 or SN service categories are recommended.	SAE 15W-40
Delo 400 XLE Synblend  For naturally aspirated and turbo-charged four-stroke diesel engines and four-stroke gasoline engines, in which the API CJ-4 or SM service categories are recommended.	SAE 10W-30
Delo 400 LE  Specially formulated for low emission diesel engines with diesel particulate filters and burning Ultra Low Sulphur Diesel fuel, in which API CJ-4 is recommended.	SAE 15W-40


 Available as ISOCLEAN® Certified to meet specific OEM ISO Cleanliness specifications.

TRANSMISSION FLUIDS	GRADES
Delo Syn-Trans HD A heavy-duty truck manual transmission fluid recommended for service fill of heavy duty manual transmissions, such as those manufactured by Eaton, Meritor and Mack.	SAE 50
Delo Trans ESI® For use in heavy-duty manual transmissions, such as those manufactured by Eaton and Meritor.	SAE 40
Delo TorqForce™  Designed for use in transmissions, final drives and hydraulic systems. Meets requirements of Allison C-4 and Caterpillar TO-4. Recommended for Dana Powershift, Komatsu KES 07.868.1 and Komatsu Dresser.	SAE 10W, 30, 50, 60
Delo TorqForce Syn  Designed for use in transmissions, wet brakes and hydraulic systems. Meets Caterpillar TO-4 and Allison C-4 requirements. Recommended for Dana Powershift, Komatsu KES 07.868.1 and Komatsu Dresser.	SAE 5W-20
Delo TorqForce MP  Designed for use in transmissions, wet brakes and hydraulic systems. Meets requirements of Allison C-4 and Caterpillar TO-4 and TO-4M. Recommended for Dana Powershift, Komatsu KES 07.868.1 and Komatsu Dresser.	
Delo TorqForce FD  (Formerly Chevron Final Drive SAE 60) Formulated with special anti-wear compounds to protect gears and bearings of final drive and axle compartments from various modes of failure, while maintaining full-metal and seal compatibility. Designed to provide excellent lubrication performance for differential and final drives that do not contain friction materials.	SAE 60





Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.


HYDRAULIC OILS	GRADES
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Clarity® Synthetic Hydraulic Oil AW  Chevron's best synthetic ashless AW hydraulic oils are designed to give maximum protection, helps prevent formation of varnish, as well as promote long equipment and oil life and help improve fuel efficiency. Clarity Synthetic AW hydraulic oils can deliver all these benefits in both mobile and stationary hydraulic equipment in environmentally sensitive areas.	ISO 32, 46, 68
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**Improved productivity was shown in side-by-side excavator tests of up to 6.2%. Improved fuel efficiency was shown in excavators and in plastic injection machines of up to 4.5% and 5% respectively. Comparisons were to a typical single grade hydraulic oil.*

Clarity Hydraulic Oil AW  Premium ashless hydraulic oils that provide long oil and equipment life to help prevent varnishing with very low acute aquatic toxicity.	ISO 22, 32, 46, 68, 100
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Rando® HDZ  Premium AW hydraulic oils formulated with premium base oil technology designed for excellent protection while providing some energy efficiency relative to traditional hydraulic oils.	ISO 15, 22, 32, 46, 68, 100
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Rando HD  Designed to give robust protection to hydraulic pumps in mobile and stationary equipment.	ISO 10, 22, 32, 46, 68
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ISO 100, 150, or 220 are often recommended for hydraulic equipment reduction gears where EP is not required, reciprocating air compressors, plain and anti-friction bearings, and circulating oil systems.	ISO 100, 150, 220
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INDUSTRIAL GEAR LUBRICANTS	GRADES
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Meropa® Synthetic EP  Synthetic EP gear lubricants recommended for many types of enclosed industrial gearboxes operating under severe service conditions.	ISO 150, 220, 320, 460, 680
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Meropa XL  Synthetic blend, premium industrial gear oil with excellent micropitting wear protection, demulsibility, seal and paint compatibility as required by its Siemens MD (FLENDER) Revision 13 approval.	150, 220, 320, 460
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Meropa  Premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability and corrosion protection.	ISO 68, 100, 150, 220, 320, 460, 680, 1000, 1500
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HEAVY DUTY AUTOMOTIVE GEAR LUBRICANTS	GRADES
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Delo® Syn-Gear HD For rear axles and differentials in over-the-road and off-road vehicles when operating under severe conditions and extreme environments where API SAE J2360, GL-5 or MT-1 oil is recommended.	SAE 75W-90
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Delo Gear ESI® For automotive gears operating under severe temperature and load conditions where API SAE J2360, GL-5, or MT-1 is recommended and when extended drain capabilities are desired.	SAE 80W-90, 85W-140
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COMPRESSOR OILS	GRADES
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Cetus® HiPerSYN®  Synthetic compressor oils (not to be mixed with PAG) recommended for air compressors; especially portable and stationary rotary, vane and screw compressors.	ISO 32, 46, 68, 100, 150, 220, 320, 460
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Regal® R&O  For most compressors where OEM requires an R&O type circulating oil.	ISO 22, 32, 46, 68, 100, 220, 320, 460, 680
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COOLANTS	CONCENTRATION
<p>Delo® ELC Antifreeze/Coolant For use in a wide variety of cooling system applications that require nitrite, including on-road, off-road and stationary engine applications.</p>	<p>Concentrate Premixed 50/50 Premixed 60/40</p>
<p>Delo XLC Antifreeze/Coolant For use in a wide variety of cooling system applications that require a nitrite-free product, including on-road, off-road and stationary engine applications.</p>	<p>Concentrate Premixed 50/50</p>
GREASES	GRADES
<p>Delo Heavy Duty Synthetic Moly 5% EP For demanding off-road construction applications with excellent performance throughout a wide temperature range, especially where very cold climates are encountered.</p>	<p>NLGI 1</p>
<p>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.</p>	<p>NLGI 1, 2</p>
<p>Delo Grease ESI® Extended service, extreme duty grease for both on-highway and light-duty, off-road vehicle applications.</p>	<p>NLGI 2</p>
<p>Delo Grease EP For extreme duty in a wide variety of on- and off-highway vehicle and equipment applications.</p>	<p>NLGI 00, 0, 1, 2</p>
<p>Ultra-Duty EP Versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications.</p>	<p>NLGI 0, 1, 2</p>
<p>Multifak® EP General-purpose EP grease for use in automotive and industrial equipment under most conditions, except where very high operating temperatures are encountered.</p>	<p>NLGI 0, 1, 2</p>
<p>Ulti-Plex® Synthetic Grease EP For extreme pressure bearing applications operating under high and low temperatures.</p>	<p>NLGI 1.5</p>



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ISOCLEAN® Certified Lubricants

Particle contamination is the number one cause of lubricant related wear in equipment components. Starting with a lubricant that is certified to meet the equipment manufacturer's fluid cleanliness requirement is the vital first step in maximizing equipment component service life.

Chevron ISOCLEAN® Certified Lubricants have been engineered to meet the required ISO Cleanliness fluid requirements at the point of delivery to minimize the challenges with on-site filtration.

Chevron's network of ISOCLEAN Certified Lubricant providers ensures target ISO Cleanliness codes are on specification at point of delivery as well as provides solutions for on-site management of fluid cleanliness.



Chevron offers a wide range of ISOCLEAN Certified Lubricants including:

- GST®
- Regal® R&O
- Clarity® Synthetic AW
- Clarity AW
- Rando® HDZ
- Rando HD
- Meropa®
- Cetus® DE
- Cetus HiPerSyn
- Cetus PAO
- Delo® TorqForce
- Delo 400 LE SAE 15W-40

www.certifiedlubricants.com



Chevron Reliability — The RBL™ Program is our commitment of business support and reliability: Chevron's lubrication expertise combined with superior products and a tailored service program work together to help your business Run Better Longer.

A **Chevron** company product

chevronlubricants.com