MINING





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
Polo 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
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.

SAE 50
SAE 40
SAE 10W, 30, 50, 60
SAE 5W-20 s 4 d

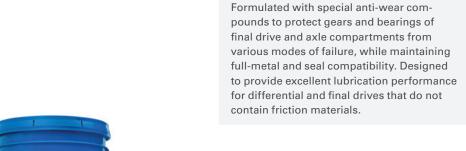
Designed for use in transmissions, wet brakes and hydraulic systems. Meets requirements of Allison C-4 and Caterpillar TO-4 and TO-4M. Recommended for Dana Powershift, Komatsu KES 07.868.1 and Komatsu Dresser.

Delo TorqForce FD



(Formerly Chevron Final Drive SAE 60)

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
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. *Improved productivity was shown in side-by-sid tests of up to 6.2%. Improved fuel efficiency was excavators and in plastic injection machines of and 5% respectively. Comparisons were to a type grade hydraulic oil.	s shown in up to 4.5%
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
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
Rando HD Designed to give robust protection to hydraulic pumps in mobile and stationary equipment.	ISO 10, 22, 32, 46, 68
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

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

Meropa® Synthetic EP Synthetic EP gear lubricants recommended for many types of enclosed industrial gearboxes operating under severe service conditions. 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. Meropa Premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability and corrosion protection.	INDUSTRIAL GEAR LUBRICANTS	GRADES
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. Meropa ISO 68, 100, Premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability and	Synthetic EP gear lubricants recommended for many types of enclosed industrial gearboxes operating under severe	, ,
Premium quality extreme pressure gear 150, 220, 320, oils with excellent load carrying capacity, water demulsibility, oxidation stability and 1500	Synthetic blend, premium industrial gear oil with excellent micropitting wear protection, demulsibility, seal and paint compatibility as required by its Siemens MD (FLENDER)	
	Premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability and	150, 220, 320, 460, 680, 1000,

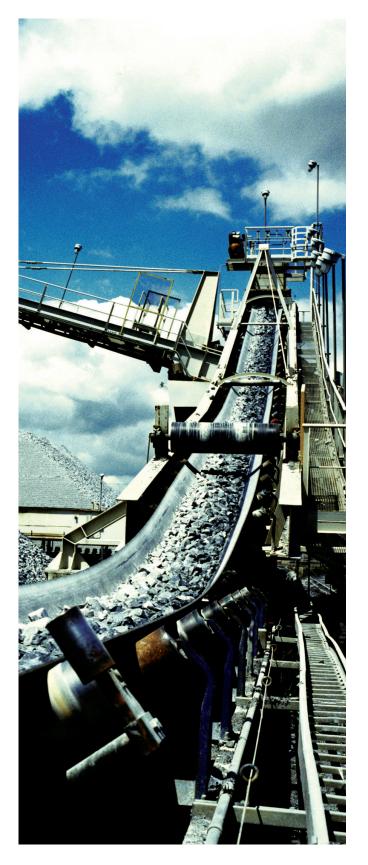
LUBRICANTS	GRADES
Delo® Syn-Gear HD For rear axles and differentials in over-the-road and off-road vehicles when operating under severe conditions and extreme environments where API SAE J2360, GL-5 or MT-1 oil is recommended.	SAE 75W-90
Delo Gear ESI® For automotive gears operating under severe temperature 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

HEAVY DUTY AUTOMOTIVE GEAR

COMPRESSOR OILS	GRADES
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
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

COOLANTS	CONCENTRATION
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.	Concentrate Premixed 50/50 Premixed 60/40
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.	Concentrate Premixed 50/50

	GREASES	GRADES
	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.	NLGI 1
	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.	NLGI 1, 2
	Delo Grease ESI® Extended service, extreme duty grease for both on-highway and light-duty, off-road vehicle applications.	NLGI 2
	Delo Grease EP For extreme duty in a wide variety of on- and off-highway vehicle and equipment applications.	NLGI 00, 0, 1, 2
	Ultra-Duty EP Versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications.	NLGI 0, 1, 2
	Multifak® EP General-purpose EP grease for use in automotive and industrial equipment under most conditions, except where very high operating temperatures are encountered.	NLGI 0, 1, 2
	Ulti-Plex® Synthetic Grease EP For extreme pressure bearing applications operating under high and low temperatures.	NLGI 1.5



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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® TorgForce

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