

**MANUFACTURING**

A large-scale industrial manufacturing scene. In the foreground, a worker wearing a blue hard hat and safety glasses is working on a large, polished metal wheel. In the background, two other workers, one in a white shirt and tie and another in a white safety vest, are looking at a large metal gear. The scene is set in a factory with various industrial equipment and structures visible in the background.

**Boost efficiency  
across your  
operation.**



## Protect your productivity.

We know what you're up against. Manufacturing is a high-demand industry that dictates long production runs at unrelenting speeds. To meet order deadlines under these conditions you have to have availability, precision and 24/7 performance from your equipment. The lubricants you run throughout your plant can be the difference in achieving these goals or facing failures and missed orders. Chevron can help.

### Reduce reject rates.

Chevron's premium industrial lubricants are formulated to handle the tighter tolerances and extreme pressures common in manufacturing equipment. Our products provide exceptional oxidation stability and protection from the build up of solids and varnish that can cause valves to stick, pumps to wear out and products to be improperly molded and ultimately rejected. Our high-integrity lubricants can lead to a cleaner system, which helps you run more efficiently, extend equipment life and fill your orders quickly and consistently with quality end products.

### Boost operational efficiency.

Running your equipment with advanced lubricants is just the beginning of how you can benefit your operation. Our experts have serviced the manufacturing industry for decades. We can work with you to look for ways to streamline and make improvements throughout your plant, from maintenance practices to lubricant inventories to used fluid analysis. We know that uptime, performance and productivity are more than goals. They're necessities. So let's get to work.



# Programs

## ISOCLEAN® Certified Lubricants Program

Higher pressures and temperatures, greater loads, tighter clearances, and smaller lubricant sump sizes, place greater emphasis on your lubricant's specifications; viscosity, additive performance and cleanliness. Studies show particle contamination is the number 1 cause of lubricant-related wear in machinery (NORIA).

Starting with a lubricant that meets OEM cleanliness specifications or general component cleanliness levels is the first step in maximizing component service life. A lubricant that meets the recommended cleanliness level enables the equipment to perform as intended AND optimizes the MTBF (mean time between failure).

Using a new lubricant meeting recommended fluid cleanliness level optimizes the on-board filtration system and reduces the need for pre-filtering as well as the risk of over filtration which leads to additive removal. A lubricant delivered clean reduces costs (replacing parts too frequently or purchasing extra equipment), minimizes risks (damage to the lubricant and equipment) and saves time (labor to pre-filter lubricants or perform extra PM tasks).

Chevron ISOCLEAN® Certified Lubricants are engineered to meet the recommended fluid cleanliness level at the point of delivery. The network of ISOCLEAN® Certified Lubricants providers deliver the new lubricant with a Certificate of Analysis validating the fluid's cleanliness level from a third-party laboratory.





Take your maintenance program to the next level by starting clean, monitoring, and staying clean!


## LubeWatch® Fluid Analysis




Using LubeWatch is like opening a window into the health of your equipment. The lubricants in your systems hold many clues about conditions that could cause premature wear, shortened oil life and even potential failures. LubeWatch Fluid Analysis allows you to monitor, detect and correct these issues. Continuous monitoring first helps you verify whether you're getting maximum protective benefit from your lubricants. Second, it helps you proactively design your maintenance program to optimize drain intervals, maximize uptime, extend equipment life and ultimately reduce costs.

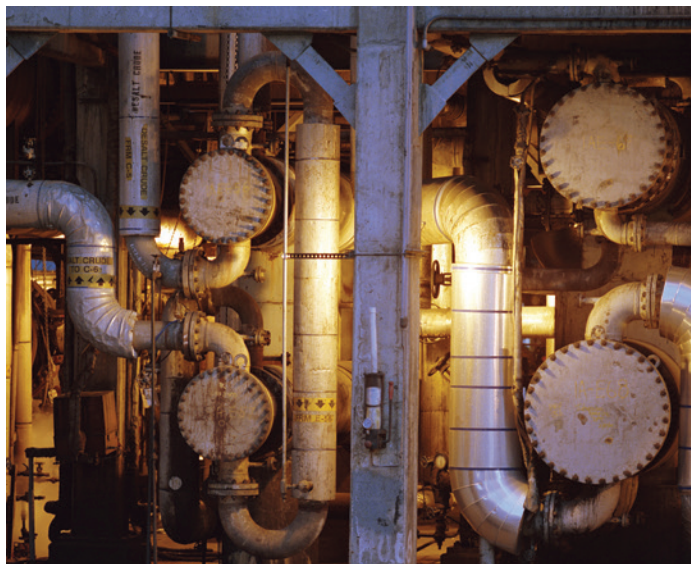


## PRODUCTS

HYDRAULIC OILS	GRADES
<b>Clarity® Synthetic Hydraulic Oil AW</b>  Chevron's best synthetic ashless AW hydraulic oil is designed to give maximum protection, help prevent formation of varnish, as well as promote long equipment and oil life. High viscosity index can contribute to energy savings. 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
<b>Clarity Hydraulic Oil AW</b>  Premium ashless hydraulic oils that provide long oil and equipment life to help prevent varnishing with very low acute aquatic toxicity.	ISO 32, 46, 68, 100
<b>Rando® HDZ</b>  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
<b>Rando HD</b>  Designed to give robust protection to hydraulic pumps in mobile and stationary equipment.	ISO 10, 22, 32, 46, 68, 100

COMPRESSOR & CIRCULATING OILS	GRADES
<b>Cetus® PAO</b> Synthetic air compressor lubricants designed to meet the requirements of modern higher output, more efficient air compressors.	ISO 32, 46, 68, 100, 150
<b>Cetus HiPerSYN®</b> 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
<b>Regal® R&amp;O</b>  For most compressors where OEM requires an R&O type circulating oil.	ISO 22, 32, 46, 68, 100, 220, 320, 460, 680

GEAR LUBRICANTS	GRADES
<b>Meropa EliteSyn™ XM</b>  High performance synthetic gear oils, offering maximum efficiency, reduced operating temperatures, long lubricant life and robust micropitting wear protection.	ISO 150, 220, 320, 460, 680
<b>Meropa XL</b>  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.	ISO 150, 220, 320, 460
<b>Meropa</b>  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



**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.

## PRODUCTS

WAY LUBRICANTS	GRADES
<b>Way Lubricant</b> Way Lubricants are designed for use in the lubrication of slides and ways of machine tools with excellent separation from metal-working coolants.	ISO 32, 68, 220
<b>Way Oil Vistac®</b> Way Oil Vistac is designed for use in the lubrication of slides and ways of machine tools, with excellent adhesion to help minimize leakage and control lubrication costs.	ISO 68, 220

ELECTRIC MOTOR BEARINGS	GRADES
<b>Black Pearl SRI</b> High temperature ball and roller bearing grease for use in a wide range of industrial applications.	NLGI 2
<b>Black Pearl® Grease EP</b> Multipurpose, polyurea, extreme pressure, water-resistant greases recommended for general lubrication service in many industrial applications such as roller bearings.	NLGI 1, 2

OTHER GREASES	GRADES
<b>Starplex® Syn HD</b> For extreme pressure bearing applications operating under high and low temperatures.	NLGI 1.5
<b>Starplex HD M3 and M5</b> For use in a wide variety of off-road construction applications, including all types of heavy-duty earth moving machinery.	NLGI 1, 2
<b>Starplex EP</b> For extreme duty in a wide variety of on- and off-highway vehicle and equipment applications.	NLGI 00, 0, 1, 2
<b>Multifak® EP</b> General-purpose EP grease for use in automotive and industrial equipment under most conditions, except where very high operating temperatures are encountered.	NLGI 000, 00 0, 1, 2

OTHER PRODUCTS	GRADES
<b>Heat Transfer Oil</b> Mineral oil-type transfer oils for use in heat transfer systems with forced circulation.	ISO 22, 46

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.

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A **Chevron** company product