



# POWER GENERATION INDUSTRY

## The Reliability To Keep Going

Gas, steam and combined-cycle turbines are expected to meet the needs of the power grid 24 hours a day, seven days a week. Chevron can help give you the power to keep up — from lubricants formulated for many power generation applications, to a service program customized for your unique business or operations goals.

Chevron can help provide the expert guidance you need to:

- Maximize Turbine and Equipment Durability
- Extend Service Protection
- Improve Supplier Performance



GST Advantage™ RO with  
VARTECH™ Technology



## FIGHT YOUR TURBINE SYSTEM'S WORST ENEMY – VARNISH

Among the many sinister elements attacking turbines, varnish can be the most destructive. To battle this menace, Chevron has formulated select GST® turbine oils with VARTECH™ Technology. The advanced lubrication chemistry used in VARTECH Technology inhibits the formation of varnish precursors, products of oil degradation that can deposit on internal surfaces and build up over time. You get better oxidation stability, less degradation and longer oil life – a breakthrough approach to varnish control.

[CHEVRONLUBRICANTS.COM](http://CHEVRONLUBRICANTS.COM)

TURBINE OILS	GRADES
<b>GST Advantage™ RO with VARTECH™ Technology</b>	ISO 32, 46
Formulated with VARTECH™ Technology, which is advanced chemistry combined with premium base oils that inhibits varnish formation to help maintain peak performance, reliability and productivity.	
<b>GST Advantage™ EP with VARTECH™ Technology</b>	ISO 32, 46
Uniquely formulated for use in circulating oil systems for marine gear turbine sets. GST Advantage EP has outstanding thermal and oxidation stability.	
<b>GST Oils</b>	ISO 32, 46, 68, 100
GST Oils are globally our best-selling turbine oils that meet the critical demands of non-geared gas, steam and hydroelectric turbine bearing lubrication and reduction gear lubrication in marine operations.	
<b>Regal® R&amp;O</b>	ISO 32, 46, 68, 100
Deliver excellent value and provide performance meeting or exceeding many OEM specifications in steam and hydroelectric turbines.	
<b>Regal SGT 22</b>	ISO 22
Designed for use in modified aviation-type gas turbines in non-aviation stationary applications such as in industrial power generation and in marine service.	

HYDRAULIC OILS	GRADES
<b>Clarity® AW</b>	ISO 32, 46, 68
High-performance ashless antiwear hydraulic fluids designed to meet or exceed conventional performance, especially in severe, high-output applications. Clarity AW provides optimal protection, helps prevent varnish formation, and is ideal for pressures exceeding 5000 psi in both mobile and stationary hydraulic equipment.	
<b>Rando® HDZ</b>	ISO 15, 22, 32, 46, 68, 100
Formulated with premium base oil technology designed for excellent protection while providing some energy efficiency relative to traditional hydraulic oils.	
<b>Rando HD</b>	ISO 32, 46, 68
Designed to give robust protection to hydraulic pumps in mobile and stationary equipment.	
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

GEAR LUBRICANTS	GRADES
<b>Meropa EliteSyn™ XM</b>	ISO 150, 220, 320, 460
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.	
<b>Meropa</b>	ISO 68, 100, 150, 220, 320, 460, 680, 1000, 1500
Premium quality extreme pressure gear oils with excellent load carrying capacity, water demulsibility, oxidation stability and corrosion protection.	
<b>Clarity Synthetic Machine Oil</b>	ISO 150, 220, 320, 460
Clarity® Synthetic Machine Oils are designed for use as EP gear oils and have excellent demulsibility (water separating ability) and wet filterability, as defined by the Pall Filterability Test.	

GREASES	GRADES
<b>Rykon® HD</b>	NLGI 2
For demanding applications in wet environments, with a heavier viscosity that can provide better protection for higher loads and slower speeds.	
<b>Starplex® HD</b>	NLGI 1, 2
High performance greases specially formulated for extreme pressure bearing applications operating under high and low temperature conditions.	
<b>Starplex Syn HD</b>	NLGI 1.5
High performance synthetic grease specially formulated for extreme pressure bearing applications operating under high and low temperatures.	
<b>Ultra Duty HD</b>	NLGI 0, 1, 2
Versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications.	
<b>Black Pearl SRI</b>	NLGI 2
Primary recommendation for use in electric motor anti-friction bearings operating at high speeds (10,000 rpm and greater) where operating temperatures can be 150°C (302°F) and greater.	
<b>Multifak® EP</b>	NLGI 1, 2
General purpose EP grease for use in industrial equipment under most conditions, except where very high operating temperatures are encountered.	

COMPRESSOR OILS	GRADES
<b>Cetus® PAO</b>	ISO 32, 46, 68, 100, 150
Formulated with PAO base fluids and a high performance additive package.	
<b>Cetus HiPerSYN</b>	ISO 32, 46, 68, 100
Primarily recommended for use in stationary, portable, rotary, vane and screw compressors.	

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.



## PROGRAMS

### ISOCLEAN® Certified Lubricants

Original equipment manufacturers require specific lubricant cleanliness levels to maximize component life and productivity. Chevron has designed a revolutionary approach to meeting these requirements – the ISOCLEAN Certified Lubricants Program. The program gets your operation off to a clean start by providing lubricants certified to meet OEM performance and cleanliness requirements at the point of delivery, which helps save capital and labor costs for pre-filtering. Beyond the initial fill, we also can provide targeted monitoring and in-plant services to help you maintain OEM cleanliness standards, day after challenging day, over the long term.

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 Lubricants 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.

### 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.



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