



AN HF SINCLAIR BRAND

GENERAL MANUFACTURING LUBRICANTS

SOLUTIONS THAT DRIVE SUCCESS IN
GENERAL MANUFACTURING OPERATIONS



OUR WINNING COMBINATION

DELIVERING PROVEN PERFORMANCE AND UNMATCHED SERVICE

Today's manufacturing operations face increasing pressure to deliver more for less. Now more than ever, it's critical to avoid downtime, increase efficiency, extend equipment life and improve productivity.



The right lubricants make all the difference

Choosing the right lubricants is a game-changer. It can drive productivity up and operating costs down, ensuring you stay competitive in today's market. Petro-Canada Lubricants products deliver a winning combination of protection, performance and efficiency.



Exceeding expectations in ways that matter

Our superior products—paired with unmatched service—are exceeding expectations for many of the world's leading companies. We're here to help meet the unique needs of your operation, whether that's improving equipment performance, optimizing operations or boosting your bottom line.



Expert advice you can depend on

Our Technical Services team can provide timely, on-site solutions that can help extend equipment uptime, reduce maintenance costs and give you the best return on your investment. Our leading Research & Development team has decades of formulating experience, enabling them to develop the best products for your manufacturing facility's needs.

HYDREX™ HYDRAULIC FLUIDS

SUPERIOR ANTI-WEAR PROTECTION IN A VARIETY OF TEMPERATURE CONDITIONS

HYDREX is a line of advanced, long-life hydraulic fluids designed to offer unparalleled anti-wear protection to hydraulic systems. Our innovative formulations use pure base oils to keep equipment operating longer, extend drain intervals and offer better performance in temperature extremes.

HYDREX AW

HYDREX AW is formulated with ultra-pure, high-quality base oils and specialty additives that resist oxidative breakdown and help the fluid retain “fresh oil” properties. That means better wear protection for your equipment, less downtime, higher heat tolerances and less maintenance.

HYDREX MV

Specifically formulated to perform in a wide range of temperatures, HYDREX MV offers exceptional wear protection from season to season.

HYDREX XV ALL SEASON

Offering the highest potential for fuel and energy efficiency within the HYDREX line, HYDREX XV All Season is a semi-synthetic, long life, anti-wear fluid formulated with a robust additive system to offer reliable performance and outstanding protection year-round.

HYDREX specialty products

HYDREX MV ARCTIC 15

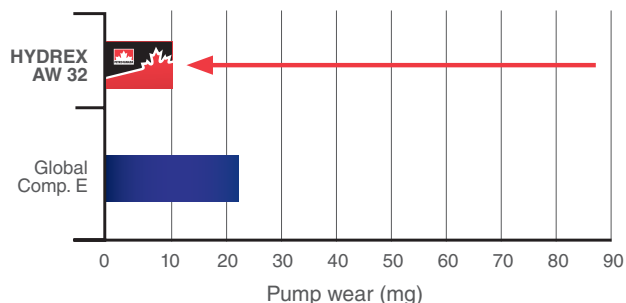
HYDREX MV Arctic 15 is a premium-quality, high-performance hydraulic fluid formulated for use in extreme cold or applications where a low-viscosity fluid is preferred.

HYDREX EXTREME

HYDREX Extreme delivers superior performance and protection to mobile and industrial machinery operating in seasonal temperature extremes.



HYDREX AW Wear Protection vs. Competing Oils
Eaton 35VQ25 Hydraulic Pump Wear Test



HYDREX AW PROVIDES UP TO 2X BETTER WEAR PROTECTION THAN GLOBAL COMPETITORS.

90 mg represents the maximum wear allowed per Eaton E-FDGN-TB002-E.

SEE HOW HYDREX OUTPERFORMS
SIMILAR PRODUCTS
IN TEMPERATURE EXTREMES.



ENDURATEX™ AND SYNDURO™ SHB GEAR OILS

HIGH PERFORMANCE IN SEVERE CONDITIONS

ENDURATEX and SYNDURO SHB are specially formulated gear oils that protect and prolong gears and bearings operating in severe conditions, like high-pressure loads and temperature extremes.

ENDURATEX EP

Formulated for enclosed industrial gear drives operating under normal, heavy or shock-loaded conditions, ENDURATEX EP delivers long life to industrial gear drives and bearings and protects them from wear and extreme pressure.

ENDURATEX XL SYNTHETIC BLEND

ENDURATEX XL Synthetic Blend is a multigrade EP gear oil offering the same benefits as ENDURATEX EP, while also eliminating seasonal change-outs.

ENDURATEX SYNTHETIC EP

Formulated for enclosed industrial gears and bearings operating under severe load and temperature extremes, ENDURATEX Synthetic EP offers excellent wear properties and outstanding performance in extreme temperatures, extending component and fluid life.

ENDURATEX MILD WG

ENDURATEX Mild WG is specially formulated for service in both enclosed worm gear reducers and steam cylinders, offering high film strength, a high flash point, and excellent rust and corrosion protection.

ENDURATEX SYNTHETIC OHV 680

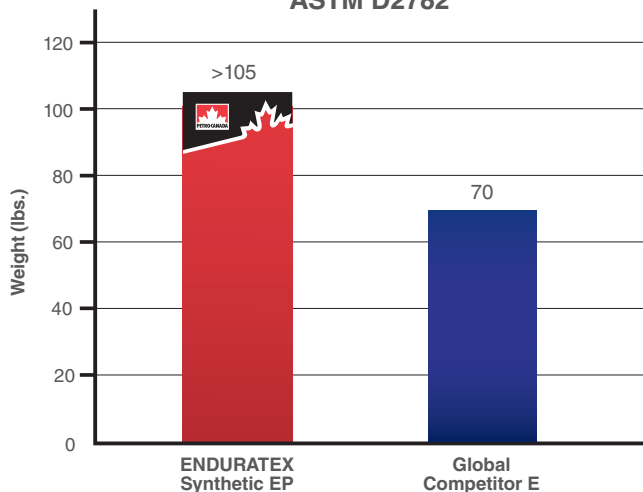
ENDURATEX Synthetic OHV 680 is formulated for DC and AC motorized wheel gearbox applications in off-highway haul trucks, as well as gearboxes operating under heavy loading, slow speed, shock loads or extreme temperatures.

SYNDURO SHB

SYNDURO SHB is a family of synthetic multifunctional fluids specially formulated for the lubrication of gears, bearings and air compressors operating under demanding conditions.



Timken Extreme Pressure Test
ASTM D2782



ENDURATEX Synthetic EP provides high Timken EP load protection for the most demanding applications.

COMPRO™ AIR COMPRESSOR FLUIDS

SUPERIOR PERFORMANCE IN A WIDE RANGE OF CONDITIONS

COMPRO compressor fluids are formulated to maximize the performance and longevity of your air compressor. The COMPRO line improves performance in a wide range of operating conditions, extends equipment life and reduces maintenance needs.

Formulated for every application, our solutions include:

COMPRO for industrial air compressors

COMPRO XL-S for rotary screw compressors, as well as rotary vane, reciprocating, centrifugal and lobe air compressors

COMPRO SYNTHETIC for rotary screw air compressors operating in temperature extremes

COMPRO E for rotary screw, rotary vane, centrifugal and reciprocating air compressors



CALFLO™ AND PETRO-THERM™ HEAT TRANSFER FLUIDS

LESS CHANGE-OUTS. MORE SAVINGS.

CALFLO and PETRO-THERM heat transfer fluids are formulated to extend fluid life and reduce change-outs in non-pressurized, liquid phase, close heat transfer systems. They deliver better performance and help to lower operating costs.

Engineered for performance, our line includes:

CALFLO AF for systems operating at bulk temperatures up to 316°C/601°F

CALFLO SYNTHETIC for systems operating continuously at moderate bulk temperatures

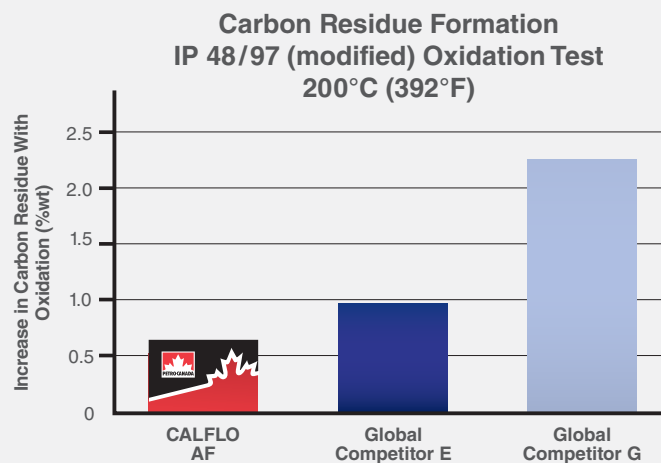
CALFLO HTF for systems operating at bulk temperatures up to 326°C/619°F

CALFLO LT for systems operating at bulk temperatures up to 288°C/550°F

CALFLO CLEANING FLUID for cleaning closed heat transfer systems suffering from carbon and sludge formation due to thermal and oxidative degradation

CALFLO FLUSHING FLUID for flushing and prepping heat transfer systems for new heat transfer fluids during a change-out

PETRO-THERM for systems operating with bulk fluid temperatures up to 315°C/599°F



CALFLO AF demonstrated significantly better resistance to carbon residue formation than a leading major oil company's fluid and a leading specialty supplier's fluid in a severe oxidation test conducted at an independent industry laboratory.

REFLO™ REFRIGERATION COMPRESSOR FLUIDS

LONGER LIFE. LOWER COSTS.

REFLO compressor fluids are formulated to help you get the most out of your commercial refrigeration system. Formulated with ultra-pure, high-quality base oils and additives, REFLO products deliver reliable performance, extend equipment life, and reduce overall maintenance and operating costs.

REFLO A

Unlike traditional solvent-refined paraffinic and naphthenic refrigerant oils, REFLO A is an ammonia refrigeration compressor fluid that can extend the life of your equipment and reduce your operating costs.

REFLO SYNTHETIC 68A

Formulated to extend equipment life and reduce operating costs, REFLO Synthetic 68A is a synthetic polyalphaolefin/alkyl benzene based ammonia refrigeration compressor fluid that consistently delivers reliable performance.

REFLO XL

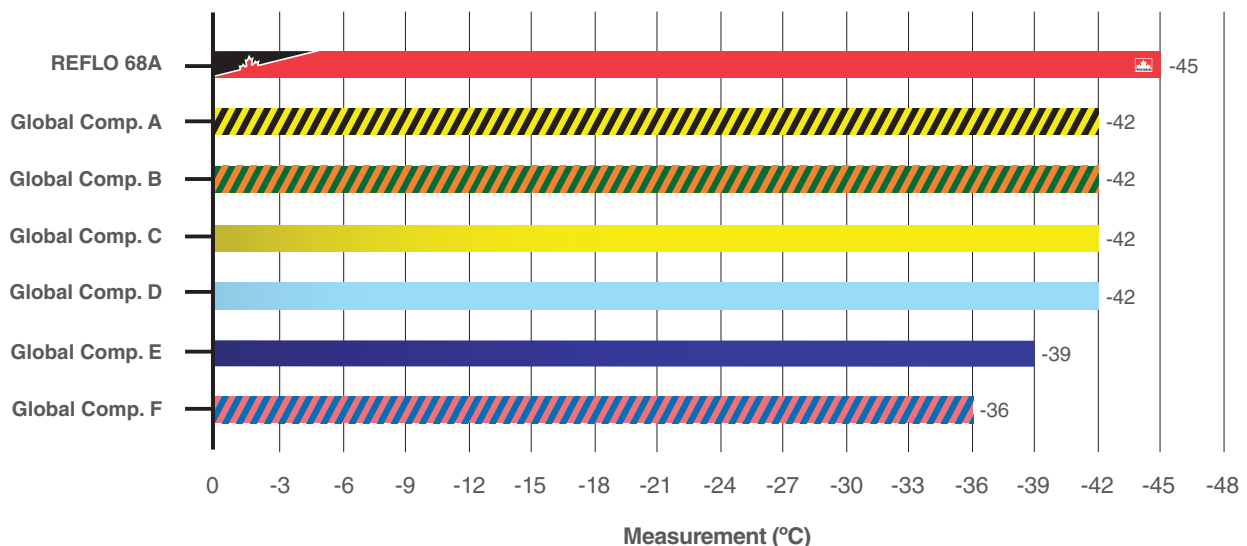
REFLO XL is a synthetic blend based refrigeration compressor fluid formulated to outperform straight Group II solvent-refined paraffinic and naphthenic refrigerant oils. REFLO XL also contains seal conditioning additives that can prolong the life of seals.

REFLO CFC

REFLO CFC is a general-purpose naphthenic refrigeration compressor fluid for ammonia systems running on naphthenic oil.



Pour Point (°C)



PEERLESS™ AND PRECISION™ GREASES

HIGH PERFORMANCE IN DEMANDING CONDITIONS

PEERLESS and PRECISION greases are formulated to protect your equipment in a range of tough operating conditions. Their premium base oils and unique additives help your equipment perform at its best in temperature extremes, wet conditions and high-load environments.



Formulated for a range of applications, our solutions include:

PEERLESS LLG AND OG calcium sulfonate complex greases for a full range of industrial and automotive applications operating in high temperatures or extremely wet conditions

PEERLESS XCG-FLEX for high-speed flexible couplings where severe centrifugal forces are generated

PEERLESS POLY EMB polyurea grease for high-speed ball and roller bearings in electric motors

PEERLESS 3 MOLY 322 calcium sulfonate complex grease with molybdenum disulfide for low-speed, severe, heavy-duty applications



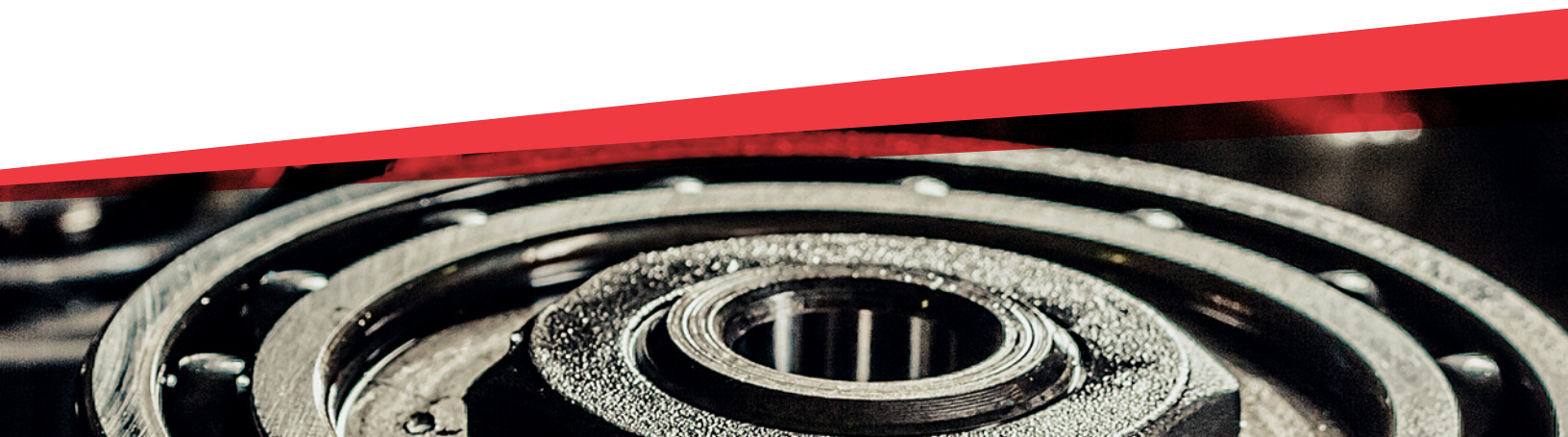
Engineered for optimal performance, our line includes:

PRECISION SYNTHETIC lithium complex greases for a full range of automotive and industrial applications, including severe operating conditions

PRECISION XL lithium complex and lithium greases for a wide range of industrial and automotive applications—suitable for centralized lubrication systems, as well as heavy-duty and general-purpose bearings

PRECISION XL MOLY lithium greases fortified with molybdenum disulfide, for heavy-duty, low-speed and shock-loading environments

PRECISION GENERAL PURPOSE lithium-based greases for a wide range of applications



OUR NO-NONSENSE LUBRICANTS **WARRANTY**

We will repair equipment or replace equipment parts that are damaged due to defects of a Petro-Canada Lubricants product, as long as the lubricant is used in accordance with your equipment manufacturer's and our recommendations.

IT'S MORE THAN JUST A WARRANTY. IT'S A COMMITMENT.

To learn more about how Petro-Canada Lubricants products can help your business, visit **lubricants.petro-canada.com** or contact us at **lubecsr@hfsinclair.com**

Committed to the disciplined operation of our business.



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