



# ENERGY

## PRODUCT GUIDE





**FUEL  
TEAM**

**Across Western Canada, the Co-op Fuel Team works with operators to understand the fuel-product and service needs of their farm or business to make informed recommendations.**

Today, a trained and experienced CO-OP® Fuel Team member can help you get the job done with the following products and services:

- Diverse fuels and lubricant products built for the toughest jobs and largest equipment
- Trusted advice, technology and industry-leading support
- An extensive distribution network for fuels and propane



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# ABOUT US

SOURCED FROM  
**WESTERN**  
**CANADA**  
FOR **WESTERN**  
**CANADA**





## LIFETIME MEMBERSHIP BENEFITS

As a member of your local Co-op, you're a part of a unique organization — a local co-operative that shares its profits with its members.

That means our success is your success.

Your purchases enable you to build equity in a community-minded organization and earn opportunities for cash back.

This special partnership returns millions of dollars every year to Co-op members across Western Canada.

## MADE IN WESTERN CANADA

Co-op is a proud manufacturer of homegrown fuel solutions.

Since 1935, the Co-op Refinery Complex (CRC) in Regina has fuelled Western Canada with high-quality Co-op products, including gasoline, diesel, propane and lubricants.

From eight enterprising farmers who believed they could produce and distribute their own gasoline, the CRC has grown into one of Canada's largest integrated refining and upgrading complexes with the capacity to process 130,000 barrels of crude oil per day.

By sourcing crude oil — as well as wheat- and corn-based ethanol — from Western Canadian suppliers, Co-op produces important products that support countless local businesses and communities.

# BULK FUELS

## ORDERS MADE EASY

Order bulk fuel and propane through your local Co-op or the Co-op app.

## TIMELY, LOCAL SERVICE

A dedicated Co-op Fuel Team member will deliver your order to your location.

## TANK UPGRADES

Our team of experts can help you make your operation more efficient by replacing — or expanding — fuel storage.

## COMMERCIAL ACCOUNT OPTIONS

Commercial accounts can provide 24/7 access to a local Co-op Cardlock location or the entire network.



Have questions on accounts?  
Contact your local Co-op or scan here.



Scan this code to apply for  
a commercial account.



Need to manage your commercial cards?

# 540+

CO-OP GAS BARS, TEMPO  
AND WESTERN NATIONS  
SERVICE STATIONS

# 390+

CO-OP CARDLOCK  
LOCATIONS







# CO-OP® HIGH PERFORMANCE GASOLINE





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All grades of Co-op High Performance Gasoline are enhanced with an aggressive detergency package that protects both modern and legacy engines. This formula is adjusted 10 times per year to:

- Ensure optimal seasonal performance
- Enhance fuel economy
- Protect all gasoline engines
- Improve vehicle performance
- Reduce harmful emissions

## CO-OP® TOP TIER GASOLINE

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	BEFORE	AFTER
<b>Injector</b>		
<b>Valve</b>		

Co-op High Performance Gasoline is TOP TIER™ certified and is available at all Co-op Gas Bar locations in Western Canada. Regular, Mid-Grade and Premium blends may contain up to 10 per cent ethanol. Contact your local Co-op for more information.

# CO-OP<sup>®</sup> PREMIUM DIESEL

Co-op Premium Diesel is adjusted more than 24 times throughout the year to provide an exceptional fuel with a higher cetane number and better fuel efficiency than a standard competitor diesel.

Commercial equipment<sup>1</sup> testing proves these claims, with up to 3.6 per cent restored fuel economy and up to a 1.7 per cent restoration in power within eight hours. Co-op Premium Diesel also contains water dispersants and fuel stabilizers to control moisture in storage and fuel tanks, preserving fuel quality for longer.



## CO-OP PREMIUM DIESEL VERSUS TYPICAL COMPETITOR DIESEL

FEATURE	BENEFIT	CO-OP PREMIUM SUMMER DIESEL	TYPICAL COMPETITOR DIESEL
<b>Cetane Number</b>	Impacts fuel conversion efficiency, smoothness of operation, smoke emissions, noise and ease of starting	45–49	40
<b>Corrosion Inhibitors</b>	Extend injection pump life and reduce particulates in fuel, which decreases downtime and maintenance costs	Yes	No
<b>Stabilizers</b>	Longer fuel storage life and fewer fuel filter replacements	Yes	No
<b>Aggressive Detergents</b>	Restore lost power because of fouled injectors. Improve fuel efficiency by up to 6.8% compared to dirty injectors. Extend injector life	Keep clean/cleanup dose sufficient for heavy-duty engines	Typical diesel doesn't contain detergents
<b>Lubricity Powers</b>	Prevent wear of high-pressure fuel injection pump. Reduce downtime and repair costs	<350µm	<460µm
<b>Energy Density</b>	More energy per litre of diesel means more potential work with each tank fill	Up to 2.5 per cent higher than competitive seasonal products	Contains lighter components

Co-op Premium Diesel may contain up to 5 per cent biodiesel in accordance with government regulations.

### Co-op Premium Diesel Benefits at a Glance

- Cleans fuel injectors and keeps them clean
- Fuel economy improvement
- Power and torque improvement
- Seasonally blended
- Fuel system cleanliness and protection
- Fuel stability and storage life improvement

<sup>1</sup>Leading North American Class 8 OEM Commercial Truck was tested for approximately 10,000 miles on a fixed test route using a diesel fuel treated with a deposit control additive with equivalent performance to Co-op Premium Diesel.







# CO-OP<sup>®</sup> HIGH PERFORMANCE DIESEL

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Co-op High Performance Diesel Fuel is an ultra-low-sulphur seasonal fuel blend that is adjusted on average 16 times per year. That means you receive optimal weather-related operability every time you fire up your vehicle, equipment or machinery.

- A cetane number that meets or exceeds the Canadian General Standards Board (CGSB) specifications, resulting in quick ignition and improved cold-weather starts.
- Exceptional lubricity performance, as verified by independent, third-party testing. Using lubricity additives also reduces fuel-component wear.
- Tailored cloud and pour points to prevent the formations of wax and/or crystallization in diesel fuel.
- Less than 15 parts per million of sulphur, providing you with a cleaner-burning fuel that significantly reduces emissions and enhances engine performance.

Co-op High Performance Diesel may contain up to five per cent biodiesel in accordance with government regulations.

## DIESEL EXHAUST FLUID

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- Diesel exhaust fluid (DEF) is an emissions-control liquid required by modern diesel engines to break down harmful nitrogen oxide (NOx) into nitrogen and water. It is injected into the exhaust stream and used by the selective catalytic reduction (SCR) system.
- Purchase in jugs (9.46 L), drums (208 L) or totes (1041 L) at most local Co-ops
- Available in bulk at select Co-op Cardlock locations
- Use the Co-op app to find your nearest Co-op Cardlock DEF location

## OTHER FUELS

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- **Co-op Stove Oil** (Heater Fuel – Type 1) and **Co-op Furnace Fuel** (Heater Fuel – Type 2): Fuel liquid-burning equipment used to generate heat for domestic and industrial purposes. Furnace fuel may contain up to five per cent biodiesel. In British Columbia, furnace fuel and summer diesel fuel are interchangeable.
- **Co-op Mine Diesel:** Developed for underground mining applications where reduced emissions and higher flashpoint products are preferred. Only available at Co-op. Co-op Mine Diesel does not contain biodiesel.

Complete details and spec sheets on all Co-op fuels are available from your local Co-op and [www.fuel.crs](http://www.fuel.crs).



# BULK PROPANE



Every day, Western Canadians rely on this clean-burning fuel for their homes, businesses, farms and vehicle fleets.

Since 1967, Co-op has been offering a comprehensive suite of propane products and services. With a complement of trained professionals and support staff on hand, Co-op ensures that proper installations are carried out by its own experienced and licensed gas fitters. Today, Co-op supplies and serves members and businesses with all their bulk propane requirements.

## BULK DELIVERIES AND SERVICES

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- Custom or automatic delivery options
- Tank-inventory-level monitoring options
- Full-service installation packages with options including trenching, locating utility-lines and obtaining permits are carried out by licensed gas fitters
- Tanks — ranging from 120 U.S. water gallons (USWG) to 2,000 USWG — and equipment including skidded tanks and vaporizers
- Expert advice for proper storage, compliance and service interval requirements

Our team members live and work in the communities they serve and are committed to upholding all propane-industry safety standards for our members.

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### AN UNMATCHED NETWORK OF LOCAL CO-OP LOCATIONS OFFERING PROPANE SERVICES ACROSS WESTERN CANADA.

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For more information on account options, contact your local Co-op today.



Use the Co-op app to order bulk propane or find more than 200 Co-op locations that offer propane services.

\*Please contact your local propane branch for more details on tank installation options and service offerings.



## RESIDENTIAL

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Applications: High-efficiency furnaces, boilers, water tank heaters, washers/dryers, refrigerators and outdoor appliances

### BENEFITS:

- Lower costs and greenhouse-gas emissions compared to other heating sources
- Predictable billing with Co-op's Propane Equalized Payment<sup>1</sup> Plan

## COMMERCIAL

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Applications: Construction, heating and hoarding, ground thaw, oil and gas, fleet, power generation, cooking applications and mining

### BENEFITS:

- Burns clean, resulting in reduced maintenance costs and downtime of equipment
- Tanks and equipment for every application, including skidded tanks and vaporizers

## AGRICULTURE

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Applications: Building and water heating, irrigation engines, grain drying, standby generators, and fleet and lawn equipment

### BENEFITS:

- A flexible fuel for multiple agricultural applications that doesn't compromise performance or productivity
- Reliable on-farm deliveries during the busiest seasons

## PROPANE AUTOGAS

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Applications: Forklifts, commercial fleets, school buses and passenger vehicles

### BENEFITS:

- Reduced operating costs, reduced emissions, fewer greenhouse gases and lower maintenance costs
- Onsite storage and rental equipment options that meet business needs
- Unmatched network of local retail Co-op refuelling stations



For more information, contact your local Co-op or scan here.



<sup>1</sup> Monthly payments are based on consumption history and average propane prices and include rent and equipment costs. The annual billing cycle runs from Aug. 1 to June 15. Accounts will be adjusted in July to reflect any differences in propane prices or equipment fees.



# PREMIUM LUBRICANTS



## ENGINEERED FOR CANADA

The harsh Western Canadian climate creates challenges for equipment and machinery, which is why Co-op Premium Lubricants are blended locally and engineered to withstand these conditions.

Featuring a mixture of carefully selected base oils and rigorously tested performance additives, Co-op Premium Lubricants meet or exceed industry specifications and provide complete protection in a variety of operating conditions.

Today, Co-op offers a full range of lubricant products for legacy and modern equipment, meeting industry-leading original equipment manufacturers' performance specifications. A Co-op Fuel Team member can easily identify lubricant requirements for your vehicle and equipment.



Complete details and technical data sheets for all Co-op Premium Lubricants are available on [www.fuel.crs](http://www.fuel.crs). Visit your local Co-op for more details or scan the QR code.



Not sure which lubricant is needed for your equipment? The Co-op Lubricant Advisory System (CLAS) provides recommendations based on your make and model. Try it today.





## DIESEL MOTOR OILS

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D-MO® (Diesel Motor Oil) products are recommended for use in all high-output, turbo-charged, four-stroke diesel motors with advanced after-treatment devices found in current emission-compliant equipment. D-MO is uniquely blended for both on- and off-road diesel motor applications and stationary engines.

**PRODUCTS:** D-MO® • D-MO® Synthetic Blend • D-MO® Synthetic



## TRANSMISSION HYDRAULIC FLUIDS

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T-HF (TRANS-HYDRAULIC™ Fluid) products are premium, heavy-duty fluids. Each product has been tested against the performance standards of industry-leading original equipment manufacturers that recommend a high-performing single fluid for a common oil-reservoir system.

**PRODUCTS:** T-HF • T-HF Plus • T-HF Synthetic Blend • T-HF Winter Formula

## GASOLINE ENGINE OILS

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Elite Gasoline Engine Oils are an exceptional choice for use in the latest turbocharged gasoline direct injection (TGDI) engines and are versatile in meeting the operational demands of all gasoline engine types, in both new and older models. The Elite lineup is sure to provide superior protection against Low Speed Pre-Ignition (LSPI), along with Advanced Oxidation Control and Leading Engine Performance.

**PRODUCT TIERS:** Elite • Elite High Mileage Synthetic Blend • Elite Performance Synthetic • Elite Truck Synthetic







## GEAR OILS

Gear Oil is an extreme pressure (EP) gear lubricant designed to provide excellent protection to equipment components in various light- and heavy-duty scenarios. Gear FE Synthetic Oil is a synthetic Eaton recommended, extreme pressure (EP) gear lubricant designed for light- and heavy-duty applications, where improved fuel efficiency is desired.

**PRODUCTS:** Gear Oil • Gear Oil Synthetic • Gear FE Synthetic Oil

## MANUAL TRANSMISSION FLUIDS

Co-op's full synthetic manual transmission fluids are formulated for fuel efficiency and severe operating conditions. MTF (MANUAL TRANSMISSION FLUID) SYNTHETIC is formulated for extended drain applications, while the MTF EA SYNTHETIC is an Eaton-approved lubricant, formulated for extended drain intervals in heavy-duty commercial vehicle transmissions which require a non-EP transmission lubricant.

**PRODUCTS:** MTF Synthetic • MTF EA Synthetic

## AUTOMATIC TRANSMISSION FLUIDS

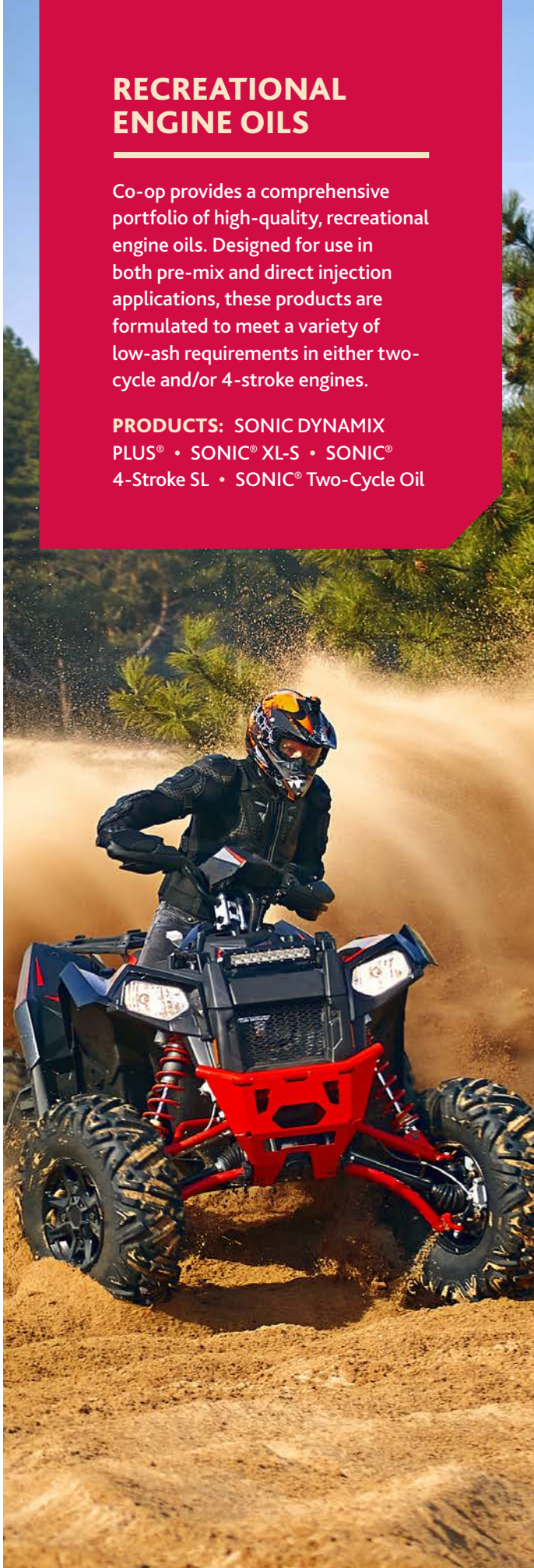
ATF (Automatic Transmission Fluid) is recommended for use in a variety of newer and older automatic transmissions. Across the ATF product line, performance benefits include premium low viscosity, cold-weather performance and superior protection.

**PRODUCTS:** ATF • ATF TYPE F • ATF Synthetic

## RECREATIONAL ENGINE OILS

Co-op provides a comprehensive portfolio of high-quality, recreational engine oils. Designed for use in both pre-mix and direct injection applications, these products are formulated to meet a variety of low-ash requirements in either two-cycle and/or 4-stroke engines.

**PRODUCTS:** SONIC DYNAMIX PLUS® • SONIC® XL-S • SONIC® 4-Stroke SL • SONIC® Two-Cycle Oil





## INDUSTRIAL HYDRAULIC OILS

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Co-op offers a complete selection of premium-quality hydraulic oils that use proprietary formulations and unique additive packages to prevent sludge, varnish and corrosion within the hydraulic system.

**PRODUCTS:** Industrial Hydraulic Oil • Industrial Hydraulic Oil SL • Industrial Hydraulic Oil MV/HVI • Industrial Hydraulic Oil Zinc Free 46

## TRANSMISSION DRIVE TRAIN OILS

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TORC® Transmission Drive Train Oils are designed to meet the rigid performance requirements and demanding environment for heavy-duty equipment. These oils are made to protect powershift/hydrostatic transmissions, final drives, differentials, torque converters, wet brakes, hydraulics and gear boxes. TORC oils meet the requirements of the Caterpillar TO-4 and, in the appropriate product, the TO-4M performance specification.

**PRODUCTS:** TORC® • TORC® Series M Synthetic Blend • TORC® Series CW Synthetic • TORC® Series HXA (Hydraulic/Hydrostatic)

## INDUSTRIAL AND MISCELLANEOUS OILS

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With a variety of fluids designed with specific applications in mind, this lineup is designed to keep equipment running at optimal efficiency.

**PRODUCTS:** SONIC® Chain Oil • SONIC® Saw Guide Oil • SONIC® Locomotive Engine Oil • SONIC® Natural (and LP) Gas Engine Oil • SONIC® Heat Transfer Fluids • SONIC® AR-Drill Oil • SONIC® Turbine R&O Oil • SONIC® Vacuum Pump Oil • SONIC® Process Oil • SONIC® De-Dusting Oil



## GREASE

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SONIC® Grease includes a premium additive package that provides extreme pressure protection for equipment under heavy load and severe stress conditions. A wide operating range allows you to maintain peak performance in both high and low temperatures.

**PRODUCTS:** SONIC® BLUE GUARD® • SONIC SILVER® GUARD Synthetic Blend • SONIC® MOLY GUARD Synthetic Blend • SONIC® RED GUARD • SONIC® POLY EXTREME • SONIC® FLOW-RITE • SONIC® GEARBOX GREASE







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