RECREATIONAL ENGINE OIL

Co-op provides a comprehensive portfolio of high-performing, two-stroke and four-stroke injection recreational engine oils. Designed for use in either DFI (Direct Fuel Injection), EFI (Electronic Fuel Injection), pre-mix and carbureted engine applications. These products provide protection against corrosion, contain a low-ash engine oil formulation designed for engine cleanliness and are designed to perform in varying temperature ranges.

TECHNICAL DATA SHEETS

2 | DYNAMIX SYNTHETIC BLEND

4 | XL-S SYNTHETIC

6 | 4-STROKE SYNTHETIC

DYNAMIX SYNTHETIC BLEND

2-STROKE INJECTION ENGINE OIL

PRODUCT DESCRIPTION

DYNAMIX SYNTHETIC BLEND is an advanced 2-stroke injection engine oil for use in air and water-cooled, DFI (Direct Fuel Injection), pre-mix and carbureted gasoline engines. An excellent choice for 2-stroke high-performance model marine outboard engines including Mercury, Mariner, BRP (Johnson, Evinrude), Yamaha and Suzuki, along with PWC.

PERFORMANCE FEATURES

- High temperature oxidation control
- Extended engine life
- Reduced engine deposits
- Controls piston and cylinder scuffing
- Excellent rust and corrosion protection
- Improved light throttle operation
- Balanced formula reduces exhaust smoke

APPLICATIONS

DYNAMIX SYNTHETIC BLEND is recommended for 2-stroke outboard engines and personal watercraft. It works in most water-cooled and air-cooled applications and is designed to meet the high performance requirements of major outboard engine manufacturers including Mercury, Mariner, Johnson, Evinrude, Yamaha and Suzuki.

**Do not use in Orbital or Ficht designed engines.*

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	TEST METHODS	DYNAMIX SYNTHETIC BLEND
Kinematic Viscosity cSt @ 40°C	ASTM D445	42.5
Kinematic Viscosity cSt @ 100°C	ASTM D445	8.0
Viscosity Index	ASTM D2270	163
Pour Point, °C	ASTM D97	-48°
Brookfield Viscosity cP @ -25°C	ASTM D2983	< 7,500

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DYNAMIX SYNTHETIC BLEND

2-STROKE INJECTION ENGINE OIL

PERFORMANCE SPECIFICATIONS

In the appropriate grade, DYNAMIX SYNTHETIC BLEND is approved and/or recommended for use in the following:

INDUSTRY / OEM	DYNAMIX SYNTHETIC BLEND SPECIFICATIONS
API	TC
ISO	EG-B
JASO	FB
NMMA	TC-W3®*

*Certified for service TC-W3® at the engine manufacturer's recommended fuel/oil ratio.

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs.

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	DYNAMIX SYNTHETIC BLEND
946 mL Bottle	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

Please protect the environment when disposing of petroleum products. All products should be taken to an authorized collection facility or picked up by a qualified organization. This ensures the products will be disposed of in an environmentally sensitive manner. For additional information on used-oil recycling programs, please see the following:

- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.interchangerecycling.com
- Manitoba – www.usedoilrecyclingmb.com

CONTACT INFO

For more information on this or any other CO-OP® lubricant product, please contact your local retail co-operative or Federated Co-operatives Limited.

fuelteam@fcl.crs.crs • business.crs

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CO-OP® PREMIUM LUBRICANTS

XL-S SYNTHETIC

2-STROKE INJECTION ENGINE OIL

PRODUCT DESCRIPTION

XL-S SYNTHETIC Recreational Engine Oil is an advanced 2-Stroke Injection engine oil for use in DFI (Direct Fuel Injection), EFI (Electronic Fuel Injection), pre-mix and carbureted engines. XL-S SYNTHETIC provides protection against corrosion, contains a low-ash engine oil formulation designed for engine cleanliness to perform in a wide variety of temperature ranges. XL-S is recommended and backed by Federated Co-operatives Limited Oil Guarantee for selected OEM specifications: API TC, ISO L-EGC/L-EGD, JASO FC/FD.

PERFORMANCE FEATURES

- Superior protection of exhaust power valves
- Low-ash engine oil formulated for low smoke
- Increased engine life
- Emissions reductions
- Anti-piston scuffing performance
- Ring stick protection
- Improved engine cleanliness
- Corrosion protection

APPLICATIONS

XL-S SYNTHETIC designed for use in DFI (Direct Fuel Injection), EFI (Electronic Fuel Injection), pre-mix and carbureted engines. An excellent choice for 2-stroke high-performance model snowmobiles, PWC (personal watercraft), ATV (all-terrain vehicles) and motorcross bikes.

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	TEST METHODS	XL-S SYNTHETIC
Kinematic Viscosity cSt @ 40°C	ASTM D445	44.6
Kinematic Viscosity cSt @ 100°C	ASTM D445	8.1
Viscosity Index	ASTM D2270	157
Pour Point, °C	ASTM D97	-57°

XL-S SYNTHETIC

2-STROKE INJECTION ENGINE OIL

PERFORMANCE SPECIFICATIONS

In the appropriate grade, XL-S SYNTHETIC is recommended and backed by Federated Co-operatives Limited for use in the following applications:

INDUSTRY / OEM	SPECIFICATIONS
API	TC
ISO	L-EGC
	L-EGD
JASO	FC
	FD

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local Co-op or Federated Co-operatives Limited (see information below) or online at business.crs.

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	XL-S SYNTHETIC
946 mL Bottle	✓
3.785 L Jug	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.interchangerecycling.com
- Manitoba – www.usedoilrecyclingmb.com

CONTACT INFO

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CO-OP PREMIUM LUBRICANTS

4-STROKE SYNTHETIC

SYNTHETIC POWER SPORT ENGINE OIL

PRODUCT DESCRIPTION

4-STROKE SYNTHETIC is a premium, full-synthetic 4-stroke motor oil. It is designed specifically for non-automotive, high-output/high RPM power-sport motors. 4-STROKE SYNTHETIC combines a unique blend of fully synthetic polyalphaolefin (PAO) base oils and industry-leading additives. This combination ensures a superior level of protection in applications that can produce RPM levels near double that of their automotive counterparts.

PERFORMANCE FEATURES

- 100% synthetic formulation
- Wet clutch compatible
- Superior operating range -35°C to 35°C
- Hyper ZDDP technology provides wear protection and catalyst life
- Improved engine cleanliness
- Exceptional corrosion protection

APPLICATIONS

4-STROKE SYNTHETIC is engineered to withstand the punishment endured by high performance engines in snowmobiles, ATVs, motorcycles and outboard motors. This product is also suitable for 4-stroke snow throwers, generators, lawn mowers and garden tractors.

** This product does not contain friction modifiers. Most non-automotive/power sport applications require lubricants manufactured in this manner.*

TECHNICAL PROPERTIES

The values listed below are typical of current production. As variations may occur, these numbers do not constitute a specification.

PROPERTIES	TEST METHODS	SAE 5W-50
Kinematic Viscosity cSt @ 40°C	ASTM D445	99.8
Kinematic Viscosity cSt @ 100°C	ASTM D445	16.5
Viscosity Index	ASTM D2270	175
Pour Point, °C	ASTM D97	-60°

4-STROKE SYNTHETIC

SYNTHETIC POWER SPORT ENGINE OIL

PERFORMANCE SPECIFICATIONS

4-STROKE SYNTHETIC meets or exceeds OEM engine oil warranty requirements in applications calling for the following:

INDUSTRY/OEM	4-STROKE SL SPECIFICATIONS
API	SM
JASO	MA
NMMA	FC-W
	FC-W Catalyst Compatible

SAFETY DATA SHEETS

Product-specific safety data sheets (SDS) can be obtained by contacting your local retail Co-op or Federated Co-operatives Limited (see contact information below) or by going online at business.crs.

PRODUCT SELECTION

Product availability can vary by location. Please contact your local retail Co-op for further details.

PRODUCT SIZES	5W-50
946 mL Bottle	✓
3.785 L Jug	✓

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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CO-OP® PREMIUM LUBRICANTS