



**PREMIUM
LUBRICANTS**

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

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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
- Suitable for direct injection or pre-mix applications

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 | 43.9 |
| Kinematic Viscosity cSt @ 100°C | ASTM D445 | 8.1 |
| Viscosity Index | ASTM D2270 | 160 |
| Pour Point, °C | ASTM D97 | -45° |
| Brookfield Viscosity cP @ -25°C | ASTM D2983 | 3,439 |

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 / TC-WII™ / TC-W™ |

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 www.fuel.crs.

PRODUCT SELECTION

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

| PRODUCT SIZES | DYNAMIX SYNTHETIC BLEND |
|---------------|-------------------------|
| 1 L Bottle | ✓ |
| 5 L Bottle | ✓ |
| 10 L Bottle | |
| 20 L Pail | |
| 110 L Drum | |
| 205 L Drum | |
| 1000 L Tote | |

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.bcusedoil.com
- Manitoba – www.usedoilrecycling.com/en/mb

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.

petroadmin@fcL.crs • www.fuel.crs • www.agro.crs

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XL-S SYNTHETIC BLEND

2-STROKE INJECTION ENGINE OIL

PRODUCT DESCRIPTION

XL-S SYNTHETIC BLEND 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 BLEND 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
- Superior low temperature performance
- Prevention against combustion chamber deposits

APPLICATIONS

XL-S SYNTHETIC BLEND 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 BLEND |
|---------------------------------|--------------|----------------------|
| 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 BLEND

2-STROKE INJECTION ENGINE OIL

PERFORMANCE SPECIFICATIONS

In the appropriate grade, XL-S SYNTHETIC BLEND 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 |

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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 www.fuel.crs.

PRODUCT SELECTION

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

| PRODUCT SIZES | XL-S SYNTHETIC BLEND |
|---------------|----------------------|
| 1 L Bottle | ✓ |
| 5 L Bottle | ✓ |

RECYCLING OF USED LUBRICANTS AND CONTAINERS

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- Saskatchewan – www.usedoilrecyclingsk.com
- Alberta – www.usedoilrecyclingab.com
- British Columbia – www.bcusedoil.com
- Manitoba – www.usedoilrecycling.com/en/mb

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.

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SONIC® 4-STROKE SL

SYNTHETIC POWER SPORT ENGINE OIL

PRODUCT DESCRIPTION

SONIC® 4-STROKE SL is a premium, full-synthetic 4-stroke motor oil. It is designed specifically for non-automotive, high-output/high RPM power-sport motors. SONIC® 4-STROKE SL 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

SONIC® 4-STROKE SL 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° |

SONIC® 4-STROKE SL

SYNTHETIC POWER SPORT ENGINE OIL

PERFORMANCE SPECIFICATIONS

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

| INDUSTRY/OEM | SONIC® 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 www.fuel.crs.

PRODUCT SELECTION

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

| PRODUCT SIZES | 5W-50 |
|---------------|-------|
| 1 L Bottle | ✓ |
| 5 L Bottle | |
| 10 L Bottle | |
| 20 L Pail | |
| 110 L Drum | |
| 205 L Drum | |
| 1000 L Tote | |

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