ELITE

ELITE GASOLINE ENGINE OILS

ELITE Gasoline Engine Oils are an exceptional choice for use in naturally aspirated, high-torque and turbo-charged gasoline engines.

They are formulated for use in gasoline/electric hybrid engines, propane-fuelled engines, stationary and specific off-highway engines that require a gasoline engine oil specification.

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ELITE

5W-20, 5W-30, 10W-30, 10W-40

PRODUCT DESCRIPTION

Gasoline Engine Oil is an excellent choice for use in the latest turbocharged gasoline direct injection (TGDI) engines in gasoline-powered . ELITE is versatile in meeting the operational demands for all gasoline engine types, in both new and older model passenger cars, SUVs and light trucks. ELITE provides superior fuel economy and wear protection and is suitable for use in older vehicles, as it is backwards compatible to all non-obsolete previous API specifications.

PERFORMANCE FEATURES

- Superior Protection against Low-Speed Pre-Ignition (LSPI), commonly referred to as engine knock
- Advanced Oxidation Control preventing wear, sludge and deposit formation from occurring
- Leading Engine performance providing an improved fuel economy and overall engine efficiency
- Enriched Engine Capabilities providing durability and defence against wear prolonging engine life

APPLICATIONS

ELITE is formulated for use in ILSAC GF-7 gasoline/electric hybrid engines, propane-fuelled engines, stationary and specific off-highway engines that require a gasoline engine oil specification. ELITE is also suitable for use in older vehicles, as it is backwards compatible to all non-obsolete API specifications.

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 GRADE			
		5W-20	5W-30	10W-30	10W-40
Kinematic Viscosity cSt @ 40°C	ASTM D445	47.13	59.56	63.23	92.5
Kinematic Viscosity cSt @ 100°C	ASTM D445	8.31	10.15	10.04	14.08
Viscosity Index	ASTM D2270	153	159	144	156
Pour Point, °C	ASTM D5949	-48°	-42°	-42°	-42°
Flash Point, °C	ASTM D7094	202°	202°	204°	203°
CCS (Cold Cranking) cP @ °C	ASTM D5293	4,500@ -30°	5,200@ -30°	4,500@-25°	5,000@-25°
MRV (Mini Rotary Visc.) cP @ °C	ASTM D4684	16,300 @ -35°	20,400 @ -35°	16,300 @ -30°	20,100 @ -30°
HTHS (High Temp/High Shear) cP @ 150°C	ASTM D4683	2.6	3.0	3.0	3.8
Specific Gravity @ 15.6 °C	ASTM D4052	0.8474	0.8537	0.8527	0.8590
TBN, mg KOH/g	ASTM D2896	7.06	7.11	7.10	7.0
Sulphated Ash % wt.	ASTM D874	0.8	0.7	0.7	0.7

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PERFORMANCE SPECIFICATIONS

In the appropriate grade, ELITE is approved and /or recommended and backed be Federated Co-operatives Limited Oil Guarantee for use in the following:

INDUSTRY / OEM	SPECIFICATIONS
API	SQ/SP/SN PLUS/SN/SM/SL/SJ*
	RESOURCE CONSERVING
FORD	WSS-M2C960-A1/WSS-M2C945-B1
	WSS-M2C961-A1/WSS-M2C946-B1
ILSAC	GF-7A/GF-6A

*Backwards compatible
Note: Always follow the manufacturer's recommendation for viscosity grade and service classification.

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 online at business.crs

PRODUCT SELECTION

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

PRODUCT SIZES	ELITE			
	5W-20	5W-30	10W-30	10W-40
946 mL Bottle	✓	✓	✓	✓
3.785 L Jug	✓	✓	✓	✓
208 L Drum	✓	✓	✓	
1000 L Tote	✓	✓		
Bulk	✓	✓		

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 • business.crs

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CO-OP® PREMIUM LUBRICANTS

ELITE HIGH MILEAGE SYNTHETIC BLEND

5W-20, 5W-30, 10W-30

PRODUCT DESCRIPTION

ELITE HIGH MILEAGE SYNTHETIC BLEND Gasoline Engine Oil is the perfect choice for older model vehicles with higher mileage, designed for vehicle reliability, future protection, and performance maintenance for all gasoline engine types.

PERFORMANCE FEATURES

- Exclusive Protection of vital engine components with increased durability to prevent valvetrain and timing chain wear
- Improved oxidation and thermal stability that provides a stronger oil film preventing corrosive wear and premature breakdown of the oil
- Advanced Additive Package containing seal swell formulated to prevent engine oil leaks that can commonly occur in older high mileage engines

APPLICATIONS

ELITE HIGH MILEAGE Synthetic Blend is recommended for year-round use in vehicles with gasoline engines requiring ILSAC GF-7A and API SQ oil specifications. Formulated to provide the highest level of protection and durability for your engine as it ages. Recommended for gasoline engines requiring the newest ILSAC GF-7A and API SQ specifications and it is also backward compatible for many older vehicles.

TECHNICAL PROPERTIES

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

PROPERTIES	TEST METHODS	SAE GRADE		
		5W-20	5W-30	10W-30
Kinematic Viscosity cSt @ 40°C	ASTM D445	46.7	58.4	62.5
Kinematic Viscosity cSt @ 100°C	ASTM D445	8.4	10.1	10.3
Viscosity Index	ASTM D2270	156	161	153
Pour Point, °C	ASTM D4959	-48°	-48°	-36°
Flash Point, °C	ASTM D7094	202°	201°	200°
CCS (Cold Cranking) cP @ °C	ASTM D5293	4,500 @ -30°	4,900 @ -30°	3,900 @ -25°
MRV (Mini Rotary Visc.) cP @ °C	ASTM D4684	14,300 @ -35°	18,400 @ -35°	16,000 @ -30°
HTHS (High Temp/High Shear) cP @ 150°C	ASTM D4683	2.7	3.0	3.2
Specific Gravity @ 15.6 °C	ASTM D4052	0.8541	0.8542	0.8542
TBN, mg KOH/g	ASTM D2896	7.1	7.1	7.12
Sulphated Ash % wt.	ASTM D874	0.7	0.7	0.7

PERFORMANCE SPECIFICATIONS

In the appropriate grade, ELITE HIGH MILEAGE SYNTHETIC BLEND is approved and /or recommended and backed be Federated Co-operatives Limited Oil Guarantee for use in the following applications:

INDUSTRY / OEM	SPECIFICATIONS
API	SQ/SP/SN PLUS/SN/SM/SL/SJ*
	RESOURCE CONSERVING
FORD	WSS-M2C960-A1/WSS-M2C945-B1 (5W-20)
	WSS-M2C961-A1//WSS-M2C946-B1 (5W-30)
ILSAC	GF-7A/GF-6A

*Backwards compatible
Note: Always follow the manufacturer's recommendation for viscosity grade and service classification.

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 online at business.crs

PRODUCT SELECTION

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

PRODUCT SIZES	ELITE HIGH MILEAGE SYNTHETIC BLEND		
	5W-20	5W-30	10W-30
946 mL Bottle	✓	✓	✓
3.785 L Jug	✓	✓	✓
208 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.interchangerecycling.com
- Manitoba – www.usedoilrecyclingmb.com

CONTACT INFO

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CO-OP PREMIUM LUBRICANTS

ELITE PERFORMANCE SYNTHETIC

dexos™1 GM APPROVED-GEN 3

0W-20, 5W-20, 0W-30, 5W-30

PRODUCT DESCRIPTION

ELITE PERFORMANCE SYNTHETIC Gasoline Engine Oil is an exceptional choice for use in the latest turbocharged gasoline direct injection (TGDI) engines, and the 100% synthetic formula exceeds the performance requirements of all gasoline engine types, both new and older models..

PERFORMANCE FEATURES

- Ultimate Protection against engine wear and prevention of Low Speed Pre-ignition (LSPI) commonly referred to as engine knock, which can be detrimental to the life of TGDI engines
- Synthetic Performance with superior piston cleanliness, oxidation stability and improved fuel economy
- Optimized Oil Life with flexible viscosity modifiers, allowing the oil to stay in grade at higher engine temperatures over previous performance specifications

APPLICATIONS

ELITE PERFORMANCE SYNTHETIC is an exceptional choice for engines of today's gasoline-powered passenger cars, SUVs, vans and light-duty pickup trucks. It provides maximum wear protection, superior piston cleanliness, resist thermal and viscosity break down in severe operating conditions. It also meets original equipment manufacturer warranty for service fill.

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 GRADE			
		0W-20	5W-20	0W-30	5W-30
Kinematic Viscosity cSt @ 40°C	ASTM D445	45.81	49.28	55.20	60.75
Kinematic Viscosity cSt @ 100°C	ASTM D445	8.56	8.7	10.06	11.00
Viscosity Index	ASTM D2270	167	156	172	174
Pour Point, °C	ASTM D5949	-48°	-48°	-42°	-51°
Flash Point, °C	ASTM D7094	203°	206°	202°	230°
CCS (Cold Cranking) cP @ °C	ASTM D5293	5,500@ -35°	4,300@ -30°	6,000@ -35°	3,600@ -30°
MRV (Mini Rotary Visc.) cP @ °C	ASTM D4684	19,500 @ -35°	17,000 @ -30°	22,000 @ -40°	17,000 @ -30°
HTHS (High Temp/High Shear) cP @ 150°C	ASTM D4683	2.7	2.7	2.9	3.2
Specific Gravity @ 15.6 °C	ASTM D4052	0.8446	0.8480	0.8450	0.8456
TBN, mg KOH/g	ASTM D2896	8.0	8.5	7.1	8.0
Sulphated Ash % wt.	ASTM D874	0.9	0.9	0.8	0.8

PERFORMANCE SPECIFICATIONS

In the appropriate grade, ELITE PERFORMANCE SYNTHETIC is approved and /or recommended and backed by Federated Co-operatives Limited Oil Guarantee for use in the following applications:

INDUSTRY / OEM	SPECIFICATIONS
ACEA	A5-02 (5W-20, 5W-30)
API	SQ/SP/SN PLUS/SN/SM/SL/SJ*
	RESOURCE CONSERVING
FORD	WSS-M2C960-A1 (5W-20)
	WSS-M2C945-B1* (5W-20)
	WSS-M2C961-A1 (5W-30)
	WSS-M2C946-B1* (5W-30)
	WSS-M2C962-A1 (0W-20)
	WSS-M2C947-B1* (0W-20)
	WSS-M2C963-A1 (0W-30)
	WSS-M2C953-B1* (0W-30)
GENERAL MOTORS	dexos1™ Gen 3 (0W-20, 5W-20, 5W-30)
	GM6094M (5W-20, 5W-30)
HONDA	HTO-06 (5W-20, 5W-30)
ILSAC	GF-7A/GF-6A

*Backwards compatible
Note: Always follow the manufacturer's recommendation for viscosity grade and service classification.

SAFETY DATA SHEETS

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PRODUCT SELECTION

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

PRODUCT SIZES	ELITE PERFORMANCE SYNTHETIC			
	0W-20	0W-30	5W-20	5W-30
946 mL Bottle	✓	✓	✓	✓
3.785 L Jug	✓	✓	✓	✓
208 L Drum	✓		✓	✓
1000 L Tote	✓		✓	✓
Bulk	✓		✓	✓

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

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CO-OP PREMIUM LUBRICANTS