



# URSA<sup>®</sup> SUPER PLUS EC

## SAE 10W-30

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### PRODUCT DESCRIPTION

Ursa<sup>®</sup> Super Plus EC SAE 10W-30 is a mixed fleet motor oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 10W-30 viscosity grade are recommended.

### CUSTOMER BENEFITS

Ursa Super Plus EC SAE 10W-30 is an API CJ-4 heavy duty engine oil specifically formulated for 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR). It is fully compatible with previous engine models and previous API Oil Service Categories.

It delivers value through:

- **Minimized operating costs** — Provides up to 1.8% fuel economy performance versus SAE 15W-40 engine oil in class 6 trucks and up to 1% fuel economy performance versus SAE 15W-40 engine oils in Class 8 trucks.<sup>1</sup>
- **Outstanding engine protection** — Excellent soot dispersancy and wear control. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing optimum engine service life and minimal maintenance. Contributes to optimal vehicle utilization and minimal downtime.
- **Excellent emission control system life** — Provides optimum Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus managing your maintenance costs.

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<sup>1</sup> Fuel Economy comparison to SAE 15W-40 engine oils based on SAE J1321 track testing for Class 6 trucks and based on Volvo D12D engine testing for Class 8 trucks.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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- **Managed inventory costs** — Backward compatible with all previous API Oil Service Categories and engine models. Good for services in four-stroke gasoline and naturally aspirated turbocharged and modern electronically controlled/low emission diesel engines calling for an SAE 10W-30 heavy duty motor oil. Allows users with a wide mix of engine brands to enjoy simplified inventory and dispensing systems that may contribute to saving money, space and handling time.
- **Access to Chevron's lubrication and industry knowledge** — Help maximize your bottom line business results.

### FEATURES

Ursa Super Plus EC SAE 10W-30 is a quality, mixed fleet heavy duty motor oil manufactured using selected high viscosity index base oils and additives that provide protection against sludge, varnish, ash deposits, wear, oxidation, foam, corrosion, and rust.

Ursa Super Plus EC SAE 10W-30 helps minimize deposit buildup resulting from high temperature engine operation (especially in the piston and ring area), combats varnish formation, and helps keep vital engine parts clean.

It also protects against corrosion and helps resist oxidation at high temperatures.

Ursa Super Plus EC SAE 10W-30 meets the most stringent EGR soot control and particulate requirements.

## FUNCTIONS

Ursa® Super Plus EC SAE 10W-30 helps keep rings clean and free for maximum combustion pressure and minimal wear. It minimizes valve and piston crown land deposits, for maintaining low oil consumption. Its high level of ashless dispersants keeps fuel soot in suspension and helps avoid filter plugging, heavy cylinder head sludge, abrasive polishing wear, high viscosity increase, and oil gelling. These problems can result in excessive engine wear and bearing failure on startup, without prior indication to the operator.

Specially selected oxidation inhibitors control oxidation, sludge, and undue thickening during oil drain periods.

## APPLICATIONS

Ursa Super Plus EC SAE 10W-30 is a mixed fleet motor oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 10W-30 viscosity grade are recommended. It is formulated for engines operating under severe service and a wide range of climatic conditions.

Ursa Super Plus EC SAE 10W-30 is excellent for use in new advanced engines developed in response to 2007 and 2010 emissions standards.

It is formulated for excellent performance with Ultra Low Sulfur Diesel and may be used in engines burning diesel with sulfur content up to 500 part per million (0.05% by weight).

This product is recommended for use in on-highway diesel engines that require API CJ-4 Service category and allow the use of an SAE 10W-30 viscosity grade. It can also be used in cold weather environments to facilitate engine start up performance. Always follow OEM recommendations.

Ursa Super Plus EC SAE 10W-30 is recommended for:

- **API Service Categories** CJ-4
- **Caterpillar** ECF-3
- **Cummins** CES 20081
- **Mack** EO-O Premium Plus
- **Volvo** VDS-4

## TYPICAL TEST DATA

SAE Grade	10W-30
<i>Product Number</i>	271202
<i>SDS Number</i>	33820
Density at 15°C, kg/L	0.867
Viscosity, Kinematic cSt at 40°C cSt at 100°C	81 11.9
Viscosity, Cold Crank, °C/Poise	-25/67.3
Viscosity Index	141
Flash Point, °C(°F)	205(401)
Pour Point, °C(°F)	-42(-44)
Sulfated Ash, wt %	1.0
Base Number, ASTM D2896	8.5
Phosphorus, wt %	0.11
Zinc, wt %	0.12

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.