



URSA[®] SUPER PLUS EC

SAE 15W-40

PRODUCT DESCRIPTION

Ursa[®] Super Plus EC SAE 15W-40 is a mixed fleet motor oil recommended for all naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CJ-4 service category and SAE 15W-40 viscosity grade are recommended.

CUSTOMER BENEFITS

Ursa Super Plus EC SAE 15W-40 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) systems and calling for SAE 15W-40 heavy duty motor oil. It is fully compatible with previous engine models and previous API Oil Service Categories.

It delivers value through:

- **Minimized operating costs** — Disperses soot and controls wear. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing optimum service life and minimal maintenance. Contributes to optimal vehicle utilization and minimal downtime.
- **Long emission control system life** — Provides optimum Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus managing your maintenance costs.
- **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 15W-40 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 15W-40 is a quality, mixed fleet heavy duty motor oil manufactured using selected high viscosity index base oils and additives that protect against sludge, varnish, deposits, wear, oxidation, foam, corrosion, and rust.

Ursa Super Plus EC SAE 15W-40 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 resists oxidation at high temperatures.

Ursa Super Plus EC SAE 15W-40 meets the most stringent EGR soot control and particulate requirements.

FUNCTIONS

Ursa Super Plus EC SAE 15W-40 helps keep rings clean and free for maximum combustion pressure and low oil consumption. It helps minimize valve and piston crown land deposits. 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.

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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APPLICATIONS

Ursa® Super Plus EC SAE 15W-40 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 15W-40 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 15W-40 is excellent for use in new advanced engines developed in response to 2010 emissions standards.

This product is recommended for use in Caterpillar engines in off-highway or construction applications which require an API CJ-4 Service Category.

Ursa Super Plus EC SAE 15W-40 is approved for:

- **API Service Categories** CJ-4, CI-4 PLUS, CI-4, SM
- **Cummins** CES 20081
- **DDC** Power Guard 93K218
- **Mack** EO-O Premium Plus
- **Volvo** VDS-4

Ursa Super Plus EC SAE 15W-40 meets the requirements of:

- **Caterpillar** ECF-3, ECF-2

TYPICAL TEST DATA

| SAE Grade | 15W-40 |
|---|-------------|
| <i>Product Number</i> | 271201 |
| <i>SDS Number</i> | 23584 |
| Density at 15°C, kg/L | 0.8806 |
| Viscosity, Kinematic mm ² /s at 40°C mm ² /s at 100°C | 118 15.4 |
| Viscosity, Cold Crank, °C/mPa.s | -20/6400 |
| Viscosity Index | 137 |
| Flash Point, °C(°F) | > 215(419) |
| Pour Point, °C(°F) | -32(-26) |
| Sulfated Ash, mass % | 1.0 |
| Base Number, ASTM D2896, mgKOH/g | 8 |
| Phosphorus, mass % | 0.12 |
| Zinc, mass % | 0.13 |

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.