Ursa® Super Plus EC SAE 15W-40 and SAE 10W-30

Good Performance and Value

Ursa® Super Plus EC are heavy-duty motor oils recommended for all naturally aspirated and turbocharged four-stroke diesel engines in which the API CK-4 service category and SAE 15W-40 or SAE 10W-30 viscosity grades are recommended.

Ursa Super Plus EC are API CK-4 heavy duty engine oils formulated for 2017 greenhouse gas (GHG 17) compliant diesel engines designed to meet lower CO_2 emissions and improved fuel economy in addition to 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems. They are fully compatible with previous engine models and previous API Oil Service Categories.

ADVANTAGES AND BENEFITS

- Ursa Super Plus EC are specially formulated, mixed fleet heavy duty motor oils manufactured using selected high viscosity index base oils and additives that provide protection against sludge, varnish, ash deposits, wear, oxidation, foam, corrosion, and rust.
- Help minimize deposit buildup resulting from high temperature engine operation (especially in the piston and ring area), combat varnish formation, and help keep vital engine parts clean.
- Protect against corrosion and help resist oxidation at high temperatures.
- Meet the most stringent EGR soot control and particulate requirements.

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Ursa Value

DELIVERS THE ULTIMATE VALUE:

- **Good engine protection** — Good soot dispersancy and wear control. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing optimum service life and minimal maintenance.
- **Appropriate emission control system life** — Provide appropriate Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus managing maintenance costs.
- **Managed inventory costs** — Backwards compatible with all previous API Oil Service Categories and engine models. Good for service in naturally aspirated turbocharged and modern electronically controlled/low emission diesel engines calling for an SAE 15W-40 or SAE 10W-30 heavy duty motor oil. Allow 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.

Ursa Super Plus EC help keep rings clean and free for maximum combustion pressure and minimal wear. They minimize valve and piston crown land deposits, leading to low oil consumption. The 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.

APPLICATIONS

Ursa® Super Plus EC motor oils are recommended for new 2017 greenhouse gas (GHG 17) compliant diesel engines in addition to engines developed in response to 2010 emissions standards. They are formulated for excellent performance with Ultra Low Sulfur Diesel fuels. Ursa Super Plus EC motor oils are recommended for use in heavy duty on-highway and off-highway diesel engine applications that require an SAE 15W-40 or SAE 10W-30 viscosity grade and API CK-4 Service Category.

URSA SUPER PLUS EC MOTOR OILS MEET:

- API Service CK-4
- Major diesel engine manufacturers' requirements
  - – Caterpillar ECF-3
  - – Cummins CES 20081
  - – Mack EO-O Premium Plus
  - – Volvo VDS-4

TYPICAL TEST DATA

SAE GRADE	15W-40	10W-30
Product Number	257005	257006
Density 15°C, kg/l	0.8779	0.8706
Viscosity, Kinematic mm²/s at 40°C mm²/s at 100°C	 105.3 14.5	 81 12.2
Viscosity, Cold Crank, °C/m Pa.s	-20/5700	-25/6400
Viscosity, MRV, °C/mPa.s	-25/15,600	-30/18,800
Viscosity, HTHS, mPa.s at 150°C	4.1	3.6
Viscosity Index	140	145
Flash Point,°C (°F)	230 (446)	225 (437)
Pour Point,°C (°F)	-36 (-33)	-38 (-36)
Sulfated Ash, mass %	1.0	1.0
Base Number, ASTM D 2896, mgKOH/g	8.7	8.8
Sulfur, mass %	0.259	0.24
Phosphorus, mass %	0.077	0.075
Zinc, mass %	0.086	0.085

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.

A **Chevron** company product

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