



DELO[®] 400 XLE SYNBLEND

SAE 10W-30

PRODUCT DESCRIPTION

“Delo. Let’s go further.[®]”

Delo[®] 400 XLE Synblend SAE 10W-30 is a premium synthetic blend fuel economy and 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 or SM service category and SAE 10W-30 viscosity grade are recommended.

CUSTOMER BENEFITS

Delo 400 XLE Synblend SAE 10W-30 is an API CJ-4 heavy duty engine oil specifically formulated for on highway applications including 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) calling for SAE 10W-30 heavy duty motor oil.

Delo 400 XLE Synblend SAE 10W-30 is also recommended for off-highway applications when SAE 10W-30 viscosity grade is required. It is formulated for newer engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR). These newer engines generally meet 2014 emissions requirements.

It is fully compatible with previous engine models and previous API Oil Service Categories.

Delo 400 XLE Synblend SAE 10W-30 delivers value through:

- **Improved fuel economy** — Up to 3.6% improvements vs. SAE 15W-40 oils in on-road testing in class 6 vehicles and up to 1% improvement vs. SAE 15W-40 oils in on-road testing in class 8 vehicles.
- **Better Low Temperature Pumpability** — Improved initial flow rate versus SAE 15W-40 oils.

- **Minimized operating costs** — Exceptional 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. Contributes to maximum 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.
- **Managed inventory costs** — Backwards compatible with previous API Oil Service Categories. Suitable for use 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.
- **Warranty Plus protection** — Bumper-to-bumper warranty protection from the engine to the drive train. Payment for Chevron lubricant-related damage to your equipment, including parts and labor.¹ Problem resolution and technical advice from Chevron’s lubrication experts.
- **Access to Chevron’s lubrication and industry knowledge** — Help maximize your bottom line business results.

¹ See Warranty Plus for details and restrictions.

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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FEATURES

Delo® 400 XLE Synblend SAE 10W-30 is formulated using advanced additive technology to provide outstanding protection and improved fuel economy² for on highway applications including 2010 compliant engines.



Delo 400 XLE Synblend SAE 10W-30 is formulated with ISOSYN® Technology which is a combination of premium base oils and high performance additives with Chevron's formulating expertise that provides superb diesel engine parts protection - all at an outstanding value. ISOSYN Technology benefits customers by helping:

- Provide Extended Service Protection
- Maximize Engine Durability
- Minimize Operating Cost

FUNCTIONS

Delo 400 XLE Synblend SAE 10W-30 helps to keep rings clean and free for maximum combustion pressure and to provide minimal wear. It minimizes valve and piston crown land deposits, thus managing oil consumption. Its high level of ashless dispersants keeps fuel soot in suspension and thus helps to 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. Its unique blend of extreme pressure antiwear additive protects against valve train wear and scuffing of highly loaded parts operating under boundary lubrication. A specially selected viscosity index improver ensures easy flow at low temperatures and excellent film protection in hot engine areas. A defoaming additive protects against air entrapment.

The combination of premium dispersant additives and ISOSYN Technology allows Delo 400 XLE Synblend SAE 10W-30 to effectively disperse soot and keep it in suspension. This minimizes the risk of valve train wear and filter plugging.

² Fuel economy comparison to SAE 15W-40 oils based on SAE J1321 testing in class 6 and class 8 vehicles. Actual results will vary depending on vehicle type, load and other driving conditions.

Applications

Delo 400 XLE Synblend SAE 10W-30 is a fuel economy and 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/SM service categories and SAE 10W-30 viscosity grade are recommended. It is formulated for engines operating under severe service and a wide range of climatic conditions.

Excellent performance in new advanced engines developed to meet the latest emissions and reliability standards and in engines equipped with features like four-valve heads, super-charging, turbo-charging, direct injection, higher power density, intercooling, full electronic management of fuel and emissions systems, exhaust selective catalytic reduction, exhaust gas recirculation, and exhaust particulate filters.

Delo 400 XLE Synblend SAE 10W-30 is formulated for exceptional performance with ultra low sulfur diesel (ULSD) and other low sulfur diesel fuels.

This product is recommended for use in:

- Today's most modern on highway low emission designs as well as some older engines.
- Today's most modern off highway engines where an SAE 10W-30 viscosity grade is recommended including those adapted for the most stringent emissions standards in construction, agriculture, marine, and mining applications.
- Excellent performance in Auxiliary Power Units (APUs) found on trailer refrigeration (refer) units or on truck tractors to help reduce main engine idle.

Delo 400 XLE Synblend SAE 10W-30 is approved for:

- **API Service Categories** CJ-4, SM
- **Cummins** CES 20081
- **DDC** 93K218
- **DEUTZ** DQC III-10 LA
- **Mack** EO-O Premium Plus
- **MAN** M 3575
- **MB-Approval** 228.31
- **MTU** Category 2.1
- **Renault** VI RLD-3
- **Volvo** VDS-4

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.

Delo® 400 XLE Synblend SAE 10W-30 is recommended for:

- **ACEA** E9
- **Caterpillar** ECF-3
- **JASO** DH-2
- **ZF** TE-ML 03K

TYPICAL TEST DATA

SAE Grade	10W-30
Product Number	271220
SDS Number	36322
Density at 15°C, kg/L	0.869
Viscosity, Kinematic mm ² /s at 40°C mm ² /s at 100°C	76 11.6
Viscosity, Cold Crank, °C/mPa.s	-25/6400
Viscosity, MRV, °C/mPa.s	-30/27,500
Viscosity Index	146
Flash Point, °C(°F)	223(433)
Pour Point, °C(°F)	-43(-45)
Sulfated Ash, mass %	1.0
Base Number, mgKOH/g, ASTM D2896	9.7
Phosphorus, mass %	0.11
Sulfur, mass %	0.39
Zinc, mass %	0.13

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

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