



DELO[®] 400 LE SYNTHETIC SAE 5W-40

PRODUCT DESCRIPTION

“Delo. Let’s go further.[®]”

Delo[®] 400 LE Synthetic SAE 5W-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 or API SN service categories and SAE 5W-40 viscosity grades are recommended.

CUSTOMER BENEFITS

Delo 400 LE Synthetic SAE 5W-40 is an API CJ-4 heavy duty engine oil specifically formulated for on-highway and off-highway applications including 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems. It is fully compatible with previous engine models and previous API Oil Service Categories. It delivers value through:

- **Low Viscosity Synthetic Base Stock** — Promotes consistent cold engine starting for gasoline and diesel engines operating in sub-zero temperature.
- **Minimized operating costs** — Exceptional soot dispersancy and wear control protects cylinders, pistons, rings, and valve train components against wear and corrosion, promoting optimum service life and minimal maintenance. Contributes to maximum vehicle utilization and minimal downtime.
- **Excellent emission control system life** — Promotes optimum Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus minimizing maintenance costs.

- **Managed inventory costs** — Delo 400 LE Synthetic SAE 5W-40 is compatible with previous API Oil Service Categories. Suitable for use in gasoline engines and naturally aspirated or turbocharged electronically controlled/low emission diesel engines. One oil that meets the engine performance requirements of most North American and European engine manufacturers. One oil that allows users with a wide mix of engine brands to enjoy simplified inventory and dispensing systems that help save 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** — Helps maximize the bottom line business results of trucking industry professionals.

FEATURES

Delo 400 LE Synthetic SAE 5W-40 is a 100% synthetic engine oil which exceeds industry and engine manufacturers’ performance requirements.

It is formulated using the most advanced additive technology available to provide outstanding protection.

Delo 400 LE Synthetic SAE 5W-40 meets the most stringent EGR soot and particulate control requirements.

Delo 400 LE Synthetic SAE 5W-40 has been specifically designed to meet the demands of EGR and EGR/SCR engines while at the same time providing the highest level of performance.

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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FUNCTIONS

Delo® 400 LE Synthetic SAE 5W-40 helps keep piston rings clean and free for optimum combustion pressure and minimal wear. Delo 400 LE Synthetic SAE 5W-40 minimizes valve and piston crown land deposits, thus managing oil consumption. Its high level of ashless dispersants keeps fuel soot in suspension and helps to avoid filter plugging, cylinder head sludge, abrasive wear, viscosity increases, and oil gelation. These problems could cause excessive engine wear and bearing failure, without prior warning.

Optimized additive chemistries combined with synthetic base stocks control oxidation, sludge, and undue thickening between oil drains. Delo 400 LE Synthetic SAE 5W-40's antiwear technologies protect against valve train wear and scuffing of highly loaded parts operating under boundary lubrication. A defoaming additive helps prevent air entrapment.

APPLICATIONS

Delo 400 LE Synthetic SAE 5W-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 or API SN service categories and SAE 5W-40 viscosity grades are recommended. It is formulated for engines operating under severe service and a wide range of climatic conditions.

Delo 400 LE Synthetic SAE 5W-40 is excellent for use in new advanced engines developed to meet 2010 emissions standards and in engines equipped with features like four-valve heads, supercharging, turbocharging, direct injection, shorter piston crowns, higher power density, intercooling, full electronic management of fuel and emissions systems, exhaust gas recirculation, and exhaust particulate filters.

It is formulated for exceptional performance with many fuels, including low sulfur and ultra low sulfur diesel fuels.

This product is recommended for use in older engines, as well as in today's most modern low emission designs.

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

Delo 400 LE Synthetic SAE 5W-40 is recommended for off-highway **Allison** heavy-duty automatic transmissions.

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 LE Synthetic SAE 5W-40 is approved for:

- **API Service Categories** CJ-4, CI-4 PLUS, CI-4, CH-4, SN
- **Allison** TES-439
- **Cummins** CES 20081
- **DDC** Power Guard 93K218
- **Mack** EO-O Premium Plus
- **MAN** M 3575
- **MB-Approval** 228.31
- **MTU** Category 2.1
- **Renault** VI RLD-3
- **Volvo** VDS-4

Delo 400 LE Synthetic SAE 5W-40 meets the requirements of:

- **ACEA European Service Category** E9
- **Caterpillar** ECF-3

TYPICAL TEST DATA

SAE Grade	5W-40
Product Number	271207
SDS Number	24606
Density at 15°C, kg/L	0.858
Viscosity, Kinematic mm ² /s at 40°C mm ² /s at 100°C	90.0 14.6
Viscosity, Cold Crank, °C/mPa.s	-30/6100
Viscosity Index	169
Flash Point, °C(°F)	222(432)
Pour Point, °C(°F)	-47(-53)
Sulfated Ash, mass %	1.0
Base Number, ASTM D2896, mg KOH/g	10.5
Phosphorus, mass %	0.116
Zinc, mass %	0.127

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