



marine lubricants

# Delo<sup>®</sup> 400 XSP SAE 5W-40

Regional equivalents: Ursa Ultra X SAE 10W-40, Delo 400 LE Synthetic SAE 5W-40



## Description

Delo<sup>®</sup> 400 XSP SAE 5W-40 is a mixed-fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines. It helps keep piston rings clean and free for optimum combustion pressure and minimal wear.

A 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 warning. Optimized additive chemistries combined with synthetic base stocks control oxidation, sludge, and undue thickening between oil drains. A de-foaming additive helps prevent air entrapment.

## Typical Characteristics

MPID	TBD
Density at 15°C, kg/l	0.85
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	96.0
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	15.4
Viscosity Index	170
Pour Point, °C	-46
Flash Point COC, °C	223
Total Base Number, mg KOH/g	10
Sulfated Ash, %wt	1.0

## Recommended Applications

Delo 400 XSP SAE 5W-40 with ISOSYN Advanced Technology is a mixed-fleet motor oil, recommended for naturally aspirated and turbocharged four-stroke diesel and gasoline engines in which the API CK-4, API SN or API SN PLUS service categories and SAE 5W-40 viscosity grade is recommended.

Delo 400 XSP SAE 5W-40 specifically formulated for all applications including 2017 greenhouse gas (GHG 17) compliant diesel engines with lower CO<sub>2</sub> emissions and improved fuel economy, in addition to EPA 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.

### Delo 400 XSP SAE 5W-40 Is Approved For:

- ✓ **DEUTZ** DQC III-10 LA
- ✓ **Mack Trucks (Volvo)** EOS 4.5
- ✓ **Renault Trucks (Volvo)** RLD-4
- ✓ **API** CH-4, CI-4 Plus, CJ-4

### Delo 400 XSP SAE 5W-40 Meets The Requirements Of:

- ✓ **Cummins** CES 20086
- ✓ **MAN Truck & Bus** M 3575



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**Performance Benefits****1. Low Viscosity Synthetic Base Stock**

Promotes consistent cold engine starting for gasoline and diesel engines operating in sub-zero temperatures.

**2. Minimized Operating Costs**

Good soot dispersancy and wear control protect the 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.

**3. Good Emission Control System Life**

Promotes optimum Diesel Particulate Filter (DPF) life for minimal downtime and cleaning, thus helping to minimize maintenance costs.

**4. Managed Inventory Costs**

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.



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