



marine products

Delo[®] 400 MGX SAE 15W-40

Regional equivalents: Delo 400 LE SAE 15W-40, Ursa Ultra LE SAE 15W-40



Description

Delo[®] 400 MGX SAE 15W-40 is a premium performance low SAPS technology heavy duty diesel engine lubricant, specifically formulated for on-highway and off-highway applications. It aims to provide protection for new low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR). Additionally, it is designed for mixed fleets of on-highway and off-highway diesel engines and meets the performance requirements of a wide range of naturally aspirated and turbocharged four-stroke diesel engines. This product is formulated using advanced additive technology to help provide protection for on-highway and off-highway applications burning high or low sulphur diesel fuels.

Delo 400 MGX SAE 15W-40 is formulated using advanced low SAPS additive technology which helps to provide engine protection for diesel engines meeting Euro IV, V and Euro VI emission requirements and for 2007 and 2010 EPA exhaust particulate emissions standards for on highway diesel trucks, using Ultra Low Sulphur Diesel (ULSD).

Delo 400 MGX SAE 15W-40 is based upon ISOSYN[®] technology, which uses premium base oils with high viscosity index in combination with an optimal blend of latest technology in dispersant, detergent, oxidation inhibition, anti-wear, corrosion inhibition, viscosity improver, and de-foaming additives to give a product which rivals synthetic lubricants in critical engine tests.

Typical Characteristics

MPID	235105
Density at 15°C, kg/l	0.88
Kinematic viscosity at 100°C, mm ² /s	14.6
Pour point, °C	-36
Flash point COC, °C	228
Total Base Number, mg KOH/g	9.6
Sulphated Ash, %wt	1.0

Recommended Applications

Delo 400 MGW SAE 15W-40 is a mixed fleet motor oil recommended for four-stroke naturally aspirated and turbocharged diesel engines but may also be used in four-stroke gasoline engines. This product is recommended for diesel engines meeting Euro I through VI emissions requirements. It can be used in new advanced 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 emission systems, Exhaust Gas Recirculation (EGR), exhaust particulate filters (DPF) and for most engines fitted with SCR NO_x reduction systems. It is also recommended for use in older engines as well as today's most modern low emission designs. It is formulated for exceptional performance with Ultra Low Sulphur Diesel but also with high, normal and low sulphur diesel fuels (10-5000 ppm sulphur).

Delo 400 MGW SAE 15W-40 is ideal for mixed commercial fleets, farm machinery, construction equipment, marine and other off-highway applications.



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Delo 400 MGX SAE 15W-40 is approved for:

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| ✓ Cummins CES 20081 | ✓ MAN M3575 |
| ✓ Detroit Diesel DDC93K218 | ✓ MTU Oil Category 2.1 |
| ✓ Daimler MB-Approval 228.31 | ✓ Renault RLD-3 |
| ✓ DEUTZ DQC III-10 LA | ✓ Volvo VDS-4 |
| ✓ Mack EO-O Premium Plus | |

Delo 400 MGX SAE 15W-40 meets the requirements of:

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|--------------------------------|---|
| ✓ ACEA E9-12 | ✓ Caterpillar ECF-3 |
| ✓ API CI-4, CI-4+, CJ-4 | ✓ Off-highway, construction or marine applications |
| ✓ Ford WSS-M2C171-E | which will require API CJ-4 and CI-4 |
| ✓ JASO DH-2 | |

Performance Benefits

1. Smooth Lock-Ups

Specially tuned friction characteristics, ensuring smooth shifting and lock-ups.

2. Good Fluid Lifetime

The friction durability helps make sure that this performance is retained throughout the fluid lifetime.

3. High Viscosity Index

High Viscosity Index means that the oil will retain sufficient viscosity for effective lubrication even at high operating temperatures.

4. Functions In Cold Weather

The low-temperature fluidity helps to provide transmission protection during cold weather start-up.

5. Prevents Harmful Sludge

The good oxidation stability helps to prevent formation of harmful sludge, lacquer or deposits.

6. Prevents Loss Of Fluid

Compatible with a wide variety of elastomer materials, preventing loss of fluid due to seal deterioration.

7. Corrosion Protection

Can prevent corrosion of automatic transmission fluid coolers.

Environment, Health And Safety

Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a SDS for this product, visit chevronmarineproducts.com.



Disclaimer. Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.