



marine products

Delo® 400 MGX SAE 15W-40

Regional equivalents: Delo 400 XLE SB SAE 15W-40, Delo 400 SLK SAE 15W-40



Description

Delo® 400 MGX SAE 15W-40 is a high-performance, low-SAPS heavy-duty diesel engine oil formulated for both on-highway and off-highway applications. It is designed to meet the performance requirements of a wide range of naturally aspirated and turbocharged four-stroke diesel engines.

The product is suitable for operation with both low- and high-sulfur diesel fuels (up to 2,000 ppm sulfur) and is compatible with modern emission-control technologies, including Diesel Particulate Filters (DPF), Selective Catalytic Reduction (SCR), and Exhaust Gas Recirculation (EGR), as fitted on current low-emission diesel engines.

Delo 400 MGX SAE 15W-40 is formulated using Chevron's ISOSYN® technology, combining premium base oils with a high-performance, low-ash additive system. The formulation incorporates a high viscosity index and a balanced combination of modern dispersant, detergent, oxidation inhibitor, anti-wear, corrosion inhibitor, viscosity improver, and anti-foam additives.

This technology is designed to deliver robust engine protection and performance under demanding operating conditions, with performance demonstrated in critical engine tests.

Typical Characteristics

MPID	219728
Density at 15°C, kg/l, (ASTM D4052)	0.8759
Kinematic viscosity at 100°C, mm ² /s (ASTM D445)	14.6
Kinematic viscosity at 40°C, mm ² /s (ASTM D445)	108.4
Pour point, °C (ASTM D97)	-33
Flash point COC, °C (ASTM D92)	228
Base Number, mg KOH/g (ASTM D2896)	10.1
Sulfated Ash, mass % (ASTM D874)	1.0
Sulfur, mass % (X-ray/ICP)	0.291

Recommended Applications

Delo 400 MGX SAE 15W-40 is recommended for use in naturally aspirated and turbocharged four-stroke diesel engines operating under severe service conditions and across a wide range of climatic environments, where API CJ-4, CI-4 PLUS, CI-4 and SAE 15W-40 performance levels are required.

The product is formulated using advanced low-SAPS additive technology and is suitable for diesel engines designed to meet Euro IV, Euro V, and Euro VI emission requirements, as well as U.S. EPA 2007 and 2010 exhaust emission standards. It is compatible with engines equipped with modern emission-control systems such as Exhaust Gas Recirculation (EGR), Diesel Particulate Filters (DPF), and Selective Catalytic Reduction (SCR), including applications within the marine industry.



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Delo 400 MGX SAE 15W-40 is suitable for use in both older engine designs and modern high-output engines incorporating features such as four-valve cylinder heads, turbocharging or supercharging, direct fuel injection, intercooling, and electronically controlled fuel and emission systems.

The lubricant is formulated for use with Ultra-Low Sulfur Diesel (ULSD) fuels and is also suitable for operation with low-, normal-, and high-sulfur diesel fuels containing up to 2,000 ppm sulfur.

When using with diesel fuel blends containing greater than 6% of biodiesel (>B6), monitoring oil condition is critical. Fuels with higher biodiesel content increase the risk of fuel dilution in the engine oil. This reduces the oxidation stability of the engine oil as biodiesel tends to oxidize more rapidly thus directly impacting the oil drain intervals. Biodiesel contents greater than B6 have a lower energy content than diesel fuel, which may result in slight horsepower loss and slightly increased fuel consumption.

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 MGX SAE 15W-40 is approved for:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Detroit Diesel (Daimler Truck) 93K218 | <input checked="" type="checkbox"/> Volvo VDS-4 |
| <input checked="" type="checkbox"/> Deutz DQC III-18 LA | <input checked="" type="checkbox"/> ZF TE-ML 04C |
| <input checked="" type="checkbox"/> MTU Category 2.1 | |

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

- | | |
|---|--|
| <input checked="" type="checkbox"/> ACEA E9-12, E9-16 | <input checked="" type="checkbox"/> Mack Trucks (Volvo) eo-o premium plus |
| <input checked="" type="checkbox"/> API CJ-4/CI-4//SM, CI-4 PLUS | <input checked="" type="checkbox"/> MAN Truck & Bus (Traton) M 3575 |
| <input checked="" type="checkbox"/> Caterpillar ECF-3 | <input checked="" type="checkbox"/> Mercedes Benz MB-Approval 228.31 |
| <input checked="" type="checkbox"/> Ford WSS-M2C171-E | |

Delo 400 MGX SAE 15W-40 is suitable for use in:

- | |
|--|
| <input checked="" type="checkbox"/> Jaso DH-2 |
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Performance Benefits**1. Minimized Operating Costs**

Designed to provide effective soot control and wear protection. Helps protect cylinders, pistons, rings, and injectors against wear and corrosion, supporting extended component service life and reduced maintenance requirements. Contributes to improved vehicle availability and reduced downtime.

2. Optimized Emission Control System Life

Formulated to support Diesel Particulate Filter (DPF) performance and service life, helping to reduce maintenance frequency.

3. Managed Inventory Costs

Backwards compatible with earlier API Oil Service Categories and suitable for a wide range of engine models. Suitable for use in four-stroke gasoline engines and naturally aspirated, turbocharged, and modern electronically controlled / low-emission diesel engines where an SAE 15W-40 heavy-duty engine oil is specified.

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 an SDS for this product visit chevronmarineproducts.com.



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