



Delo[®] 400 XLE SAE 10W-30

Premium performance semi-synthetic heavy-duty engine oil

Product description

Delo 400 XLE SAE 10W-30 is a premium performance semi-synthetic heavy-duty engine oil designed to meet and exceed industry and engine manufacturers' performance standards in on- and off-highway diesel applications.

Delo 400 XLE SAE 10W-30 features ISOSYN[®] technology, a combination of premium base oils and additives, formulated to promote optimum diesel engine protection.

Delo 400 XLE SAE 10W-30 is formulated with an advanced technology low SAPS additive system to provide diesel engine protection meeting Euro I to Euro VI emission requirements* and GHG 17 compliant engines of on-highway trucks, running on Ultra Low Sulphur Diesel (ULSD).

Delo 400 XLE SAE 10W-30 is designed for newer engines with selective catalytic reduction (SCR), diesel particulate filter (DPF) and exhaust gas recirculation (EGR) exhaust aftertreatment systems.

Customer benefits

- Designed for high performance piston and turbocharger oxidation resistance, promoting extended engine protection and service life
- Advanced detergency and dispersancy additives help offer keep-clean component wear and corrosion protection, maximising uptime
- Premium low viscosity SAE 10W-30 and additive system design offers up to 1% fuel consumption improvement over SAE 15W-40 oils
- Backwards compatible with API Oil Service Categories and suitable for naturally aspirated, turbocharged and electronically controlled/low emission engines



Product highlights

- **Designed for high performance oxidation resistance**
- **Promotes wear and corrosion protection**
- **Helps improve fuel economy**
- **Backwards compatible**
- **Formulated for optimum DPF life**
- **Offers low temperature protection**

Selected specification standards include:

ACEA	API
Caterpillar	Cummins
DAF	Detroit Diesel
Deutz	JASO
Mack	MAN
Mercedes-Benz	MTU
Renault Trucks	Volvo
ZF	

- Formulated to provide optimum diesel particulate filter (DPF) life, helping reduce downtime, cleaning and maintenance costs
- Offers improved low temperature cold-start protection with increased flow rate and pumpability versus SAE 15W-40 engine lubricants

Applications

- Delo 400 XLE SAE 10W-30 is recommended for a wide range of naturally aspirated and turbocharged four-stroke diesel engines in which a ACEA E6, E9, API CK-4 grade and SAE 10W-30 viscosity grade are required
- Delo 400 XLE SAE 10W-30 is specifically formulated for on-highway applications, including 2017 greenhouse gas (GHG 17) compliant diesel engines with lower CO₂ emissions, 2010 compliant low emission diesel engines, and Euro I to Euro VI compliant engines*; with SCR, DPF and EGR systems requiring SAE 10W-30 lubricants
- Delo 400 XLE SAE 10W-30 is also recommended for off-highway applications where a SAE 10W-30 viscosity grade is required. It is formulated for newer engines adapted for stringent emission standards in construction, agriculture, marine and mining applications with SCR, DPF and EGR systems. These newer engines generally meet Tier IV (2014) emissions requirements
- Delo 400 XLE SAE 10W-30 is compatible with previous engine models* and previous API Oil Services Categories

* Recommendations may differ between engine manufacturers so driver manuals and/or dealers should be consulted if in doubt.

Approvals, performance and recommendations

Approvals

- Cummins CES 20086
- Detroit Diesel DFS 93K222
- Deutz DQC III-10 LA
- Mack EOS-4.5
- Mercedes-Benz MB-Approval 228.51
Mercedes-Benz MB-Approval 228.31
- MTU Oil Category 2.1
- Renault Trucks RLD-4
- Volvo VDS-4.5
- ZF TE-ML 03K ^[1]

Performance

Delo 400 XLE SAE 10W-30 meets:

- ACEA E6, E9
- API CK-4, CJ-4, CI-4, CI-4 Plus, SN
- JASO DH-2
- Caterpillar ECF-3
- MAN M3575
- Renault Trucks RLD-3, RLD-2
- Volvo VDS-4, VDS-3

Recommendations

Delo 400 XLE SAE 10W-30 is suitable for use in applications requiring:

- DAF Extended Drain (Euro VI engines)
- Renault Trucks RXD, RLD, RD-2 and RD
- Volvo VDS-2

^[1] ZF approval number: ZF002272

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 10W-30
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.868
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	11.9
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	81.0
Viscosity Index	ASTM D2270	142
Pour point, °C	ASTM D97	-46 typ
Flash point COC, °C	ASTM D92	230
Total Base Number, mg KOH/g	ASTM D2896	10.3
Sulphated Ash, %wt	ASTM D874	0.98

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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