



Delo 400 RDE SAE 10W-30

High performance semi-synthetic heavy duty engine oil

Product description

Delo® 400 RDE SAE 10W-30 is a high performance semi-synthetic heavy duty engine oil, formulated to conform to current ACEA requirements and top tier OEM specifications for Euro IV and V, and a number of Euro VI diesel engines.

Delo 400 RDE SAE 10W-30 is formulated with advanced ISOSYN® technology combined with a low SAPS additive system designed to offer dependable long drain performance, without compromising durability.

Delo 400 RDE SAE 10W-30 is designed for modern low emissions diesel and gas engines, and is recommended for engines with diesel particulate filter systems.

Customer benefits

- Designed for viscosity control, and protection against engine wear, corrosion, oxidation, and foaming across extended drain intervals
- Low SAPS formulation helps protect catalysts and diesel particulate filters in emissions control systems
- Offers good piston cleanliness, wear and soot control and dependable lubricant stability performance
- SAE 10W-30 grade is formulated for robust engine wear protection and improved fuel economy
- Formulated for backwards compatibility, and suitable for a range of vehicles, including older engines

Product highlights

- **Designed for extended drain intervals**
- **Low SAPS formulation**
- **Offers good wear and soot control**
- **Improved fuel economy**
- **Formulated for backwards compatibility**

Selected specification standards include:

ACEA	API
Case New-Holland	CLAAS
Cummins	DAF
Deutz	Fendt
JASO	Mack
Massey-Ferguson	McCormick
MAN	Mercedes Benz
MTU	Renault Trucks
SAME	Valtra
Volvo	

Applications

- Formulated for use in very severe on-highway naturally aspirated and turbocharged diesel engine operations, and designed for extended drain intervals in combination with low sulphur fuels.*
- Can be used in trucks and buses equipped with gas engines
- Designed to provide good performance in diesel particulate filters (DPFs), exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) after treatment systems
- In Euro VI to I engines, refer to OEM maintenance manual for limitations

*Recommendations may differ between engine manufacturers so Drivers Manuals and/or Dealers should be consulted if in doubt.

Approvals, performance and suitable for use

Approvals

- Cummins CES 20076
- Daimler Truck DTFR 15C110**/**
- DAF MAT 70025
- Deutz DQC IV-18 LA*
- Mack EO-N
- Mercedes Benz MB Approval 228.51**
- MTU Oil Category 3.1
- Renault Trucks RLD-2
- Volvo VDS-3

Performance

- ACEA E6, E7, E8, E9, E11
- API CI-4, CH-4
- JASO DH-2
- Cummins CES 20077
- DAF Extended drain (Euro IV to VI)°
- Mack EO-M Plus, EO-M
- MAN M3477, M3271-1 °°
- Renault Trucks RXD, RLD, RGD

* Products qualified against DQC IV-18 LA are also approved for TTCD engines

** DTFR 15C110 replaces MB 228.51

*** MB 226.9 is obsolete. Gas engines are covered by MB-Approval 228.51/DTFR 15C110

° Can be used in Euro IV & Euro V MX engines and in Euro VI MX & PX engines for DAF

°° Approvals can no longer be obtained since obsolete by MAN

Suitable for use

- Renault Trucks RD-2, RD
- Volvo VDS-2, VDS

Suitable for use in tractors and other agricultural machinery from the following manufacturers, which require an engine oil meeting the specifications listed above:

- Case New-Holland
- CLAAS
- Fendt
- Massey-Ferguson
- McCormick
- SAME
- Valtra

Typical test data		
Test	Test Methods	Results
Viscosity Grade		10W-30
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.861
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	82
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	12.1
Viscosity Index	ASTM D2270	144
Pour point, °C	ASTM D97	-42
Flash point COC, °C	ASTM D92	236
Total Base Number, mg KOH/g	ASTM D2896	10.0
Sulphated Ash, %wt	ASTM D874	1.0

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

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When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

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