Delo 400 RDS SAE 10W-40

High performance semi-synthetic heavy duty engine oil

Product description

Delo® 400 RDS SAE 10W-40 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, Euro V and some Euro VI diesel engines.

Delo 400 RDS SAE 10W-40 is based upon ISOSYN® technology, with low SAPs chemistry and high viscosity index in combination with an optimal blend of dispersant, detergent, oxidation resistant, anti-wear, corrosion inhibition, viscosity improver, and de-foaming additives.

Delo 400 RDS SAE 10W-40 is designed for long drain capability without compromising durability in modern low emission diesel and gas engines and offers reliable protection to diesel particulate filters (DPFs).

Customer benefits

- Designed for high performance engine and emissions control system protection, extended drain intervals and long engine service life
- Formulated for low SAPS performance to help protect catalysts and diesel particulate filters in emissions control systems
- Offers good control of piston cleanliness, wear, soot handling and lubricant stability
- Delo 400 RDS SAE 10W-40 grade helps improve fuel economy while offering robust engine wear protection
- Formulated for backwards compatibility, and suitable for a range of vehicles, including older engines

Product highlights

- **Designed for emissions control system protection and extended drain**
- **Promotes low SAPS catalyst and DPF protection**
- **Offers good wear, soot handling and lubricant stability**
- **Helps improve fuel economy and engine wear protection**
- **Formulated for backwards compatibility**

Selected specification standards include:

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

Applications

- Formulated for use in very severe on-highway naturally aspirated and turbocharged diesel engine operations. 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 filter (DPF), exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) after treatment systems

^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

- Deutz DQC IV-18 LA[1] *
- Mack EO-N
- Daimler Truck DTFR 15C110[1] ** (previously known as MB Approval 228.51)
- MTU Oil Category 3.1[1]
- Renault Trucks RLD-2
- Volvo VDS-3

Performance

- ACEA E8, E11, E7,
- API CI-4, CH-4
- Caterpillar ECF-2, ECF-1a
- Cummins CES 20076, 20077, CES 20072
- JASO DH-2
- DAF Extended drain (Euro 0 to Euro VI)
- Mack EO-M Plus, EO-M
- MAN M3477°, M3271-1°
- Renault RXD, RLD, RGD

Suitable for use

Suitable for use in applications requiring:

- 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
- Mc Cormick
- SAME
- Valtra

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

[1] Approval request submitted

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

** MB 226.9 is obsolete. Gas engines are now covered by DTFR 15C110

° Approvals can no longer obtained since obsolete by MAN

Typical test data

Test	Test Methods	Results
Viscosity Grade		**10W-40**
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.898
Kinematic viscosity at 40°C, mm^2/s	ASTM D445	101.9
Kinematic viscosity at 100°C, mm^2/s	ASTM D445	15.1
Viscosity Index	ASTM D2270	154
Pour point, °C	ASTM D97	-42
Flash point COC, °C	ASTM D92	224
Total Base Number, mg KOH/g	ASTM D2896	10.2
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).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. 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. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) 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.

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.

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.

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