



Delo[®] 400 RDS SAE 10W-40

High performance semi-synthetic heavy-duty engine oil (Supersedes Ursa Ultra X SAE 10W-40)

Product description

Delo 400 RDS SAE 10W-40 is a high performance semi-synthetic heavy-duty engine oil designed to conform to current ACEA requirements as well as top tier OEM specifications for Euro IV, V and some Euro VI diesel engines.

Delo 400 RDS SAE 10W-40 features ISOSYN[®] technology, a combination of premium base oils and additives, formulated to promote optimum diesel engine protection, and a low SAPS system designed to offer dependable long drain performance, without compromising durability. Delo 400 RDS SAE 10W-40 is designed for modern low emissions diesel and gas engines, and is recommended for engines with diesel particulate filter systems.

Customer benefits

- **Promotes maximum uptime** — offering extended drain through engine performance and emissions system protection
- **Helps minimise exhaust emissions** — through low SAPS technology designed to protect catalysts and diesel particulate filter systems
- **Keep-clean performance** — reliable lubricant stability contributes advanced piston cleanliness, wear protection and soot control
- **Reduced fleet operating costs** — multipurpose Delo 400 RDS SAE 10W-40 helps save money through optimising lubricant inventories
- **Suitable for a wide range of vehicles** — backwards compatibility, Euro VI to I and suitable for both diesel and gas engine applications



Product highlights

- **Maximum uptime**
- **Emissions system protection**
- **Keep-clean performance**
- **Reduced fleet operating costs**
- **Suitable for a wide range of vehicles**

Selected specification standards include:

ACEA	API
Cummins	DAF
Deutz	JASO
Mack	MAN
Mercedes Benz	MTU
Renault Trucks	Volvo

Applications

- Formulated for use in severe on-highway naturally aspirated and turbocharged diesel engine operations.
Offers extended drain intervals in combination with low sulphur fuels*
- Formulated for use 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 recommendations

Approvals

- Cummins CES 20076
- Deutz DQC-IV-10 LA
- Mack EO-N
- MAN M3477, M3271-1
- MTU Oil Category 3.1
- Mercedes Benz MB-Approval 228.51†

- Renault Trucks RLD-2
- Volvo VDS-3

Performance

- ACEA E6, E7, E9
- API CI-4
- Cummins CES 20077
- JASO DH-2

Recommendations

Suitable for use in applications requiring:

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

† MB 226.9 is obsolete. Gas engines are now covered by MB-Approval 228.51.

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 10W-40
Shelf Life: 60 months from date of filling indicated on the product label.		
Density, 15 °C, kg/l	ASTM D4052	0.864
Viscosity, Kinematic at 40 °C, mm ² /s	ASTM D445	98
Viscosity, Kinematic at 100 °C, mm ² /s	ASTM D445	14.5
Viscosity Index	ASTM D2270	154
Pour Point, °C	ASTM D5950	-45
Flash Point COC, °C	ASTM D92	236
Total Base Number, mg KOH/g	ASTM D2896	10
Sulphated Ash, %wt	ASTM D874	1.0

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.

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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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