

Delo[®] 400 SP SAE 5W-30

High performance synthetic heavy-duty engine oil

(Supersedes Ursa Ultra X SAE 5W-30)

Product description

Delo 400 SP SAE 5W-30 is a high performance synthetic heavy-duty engine oil. It is designed to meet the performance requirements of a wide range of diesel and gas powered engines in off-highway and construction applications, while offering improved fuel economy with lower exhaust emission output.

Delo 400 SP SAE 5W-30 is formulated for use in most Euro V and some Euro VI trucks fitted with advanced after-treatment systems where low emission diesel lubricants are required.

Delo 400 SP SAE 5W-30 is formulated with premium performance synthetic base oils and advanced technology dispersant and detergent additives, with robust oxidation, wear and corrosion inhibitors, viscosity improver and foam suppression additives.

Customer benefits

- Designed to deliver improved fuel efficiency with low emissions performance, helping reduce total cost of ownership
- Formulated for optimised engine wear and corrosion protection with reliable foam suppression performance
- Low viscosity synthetic base oils promote rapid oil circulation and wear protection during cold or sub-zero engine start-ups
- Advanced piston cleanliness and good wear control offers optimised engine service life with lower maintenance downtime



Product highlights

- **Fuel efficiency with low emissions performance**
- **Offers optimised wear and corrosion protection**
- **Promotes cold or sub-zero engine start protection**
- **Formulated for optimised engine service life**
- **Helps reduce emission system service downtime**

Selected specification standards include:

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

- Advanced formulation helps reduce emission control system service downtime and offers improved Diesel Particulate Filter (DPF) life
- Premium additive design with synthetic base stocks help control oxidation, sludge and oil thickening, improving vehicle uptime

Applications

- Delo 400 SP SAE 5W-30 is a diesel engine oil recommended for four-stroke naturally aspirated and turbocharged diesel engines
- Delo 400 SP SAE 5W-30 is recommended for use in modern low emission diesel engines (most Euro V and Euro VI trucks fitted with advanced after-treatment systems such as DPFs and Selective Catalytic Reduction (SCR) NOx reduction systems. It is also backwards compatible in older engines in service in markets using Euro V quality Diesel Fuel or Ultra Low Sulphur Diesel (ULSD), and many bio-fuel formulations
- Delo 400 SP SAE 5W-30 is recommended for use in gas engines and in off-highway or construction applications in conditions where SAE 5W-30 is recommended

Recommendations may differ between engine manufacturers, so driver manuals and/or dealerships should be consulted if in doubt

Approvals, performance and recommendations

Approvals

- Cummins CES 20077
- Deutz DQC III-10 LA
- Daimler MB-Approval 228.51
- Mack EO-N
- Renault Trucks RLD-2
- Volvo VDS-3

Performance

- ACEA E9, E7, E6
- API CI-4, CH-4
- JASO DH-2
- DAF Extended Drain (Euro IV to VI)*
- MAN M3271-1, M3477 °
- Mack EO-M Plus, EO-M
- MTU Category 3.1
- Renault Trucks RXD, RLD, RGD

Recommendations

Suitable for use in:

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

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

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

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 5W-30
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.854
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	75.0
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	12.1
Viscosity Index	ASTM D2270	158
Pour point, °C	ASTM D5950	-43
Flash point COC, °C	ASTM D92	228
Total Base Number, mg KOH/g	ASTM D2896	9.8
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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