

Delo 400 XSP-SD SAE 5W-30

High performance synthetic heavy-duty diesel engine oil

Product description

Delo® 400 XSP-SD SAE 5W-30 is a high performance synthetic heavy duty engine oil designed for fuel economy and meets the performance requirements of a wide range of naturally aspirated and turbocharged diesel engines in on-highway, off-highway and construction service.

Delo 400 XSP-SD SAE 5W-30 is based on ISOSYN® technology with low SAPS performance and dispersant, detergent, oxidation, anti-wear, corrosion, viscosity improver and de-foaming additives and meets Euro VI emissions requirements, while offering extended drain intervals.

Customer benefits

- Designed for improved fuel economy performance while helping maintain robust component wear protection and engine service life
- Formulated for good performance in a wide range of engines, and helps reduce inventories, costs, and the risk of misapplication
- Low viscosity synthetic base oils offer rapid circulation in cold and sub-zero engine start-ups
- Extended drain formulation combines synthetic base stocks and additives to promote wear, oxidation, sludge and thickening control
- Offers reliable Diesel Particulate Filter (DPF) clogging protection and helps reduce cleaning while improving DPF service life



Product highlights

- **Designed for fuel economy and engine service life**
- **Helps reduce inventories and misapplication**
- **Offers protection in sub-zero engine starts**
- **Extended drain formulation**
- **Promotes DPF protection and service life**

Selected specification standards include:

ACEA	API
Caterpillar	Cummins
DAF	Detroit Diesel
Deutz	Ford
JASO	Mack
Mercedes Benz	MTU
Renault Trucks	Scania
Volvo	

Applications

- Delo 400 XSP-SD SAE 5W-30 is a high performance engine oil recommended for four-stroke naturally aspirated and turbocharged diesel engines.
- Delo 400 XSP-SD SAE 5W-30 is recommended for diesel engines meeting Euro I - Euro V and the latest Euro VI emissions requirements where allowed by the OEMs and is suitable for use in engines with global after treatment systems.
- Delo 400 XSP-SD SAE 5W-30 is recommended for use in older engines as well as today's most modern low emission designs. It is formulated for high performance with many fuels including low sulphur and ultra-low sulphur diesel fuels, and many biofuel formulations.

Approvals, performance and recommendations

Approvals

- Cummins CES 20086
- Detroit Diesel DFS 93K222
- Deutz DQC IV-18 LA (approval request submitted)
DQC TTCD°
- Mack EOS-4.5
- MAN M3677
- Mercedes Benz MB-Approval 228.51*
- MTU Oil Category 3.1
- Renault Trucks RLD-3
- Scania LDF-4 (approval request submitted)
- Volvo VDS-4.5

Performance

- ACEA E6, E7, E9
- API CK-4, CJ-4, CI-4 Plus, CI-4, CH-4 SN, SM, SL, SJ
- JASO DH-2
- Caterpillar ECF-3
- DAF Extended drain (Euro IV to VI)**
- Ford WSS-M2C213-A1
- Mack EO-O Premium Plus, EO-N, EO-M Plus, EO-M
- MAN M3477
- Mercedes Benz MB 228.52
MB 228.31
- Renault Trucks RLD-2, RLD, RXD, RGD
- Volvo VDS-4, VDS-3
- Scania Low Ash

Suitable for use

Delo 400 XSP-SD SAE 5W-30 is suitable for use in applications requiring:

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

° Product approved for DQC IV-18 LA are also approved for use in Deutz TTCD engines

* MB 226.9 is obsolete. Gas engines are now covered by MB-approval 228.51

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

Typical test data		
Test	Test Methods	Results
Viscosity Grade		5W-30
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.858
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	73
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	12.2
Viscosity Index	ASTM D2270	164
Pour point, °C	ASTM D97	-42
Flash point COC, °C	ASTM D92	231
Total Base Number, mg KOH/g	ASTM D2896	9.5
Sulphated Ash, %wt	ASTM D874	0.9

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.

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