



Delo[®] 400 XSP-FA SAE 5W-30

Premium performance fuel efficient synthetic heavy-duty diesel engine oil

Product description

Delo 400 XSP-FA SAE 5W-30 is a premium performance fuel efficient synthetic heavy-duty diesel engine oil designed to meet and exceed industry and engine manufacturers' performance requirements in on-highway applications.

Delo 400 XSP-FA SAE 5W-30 is based on ISOSYN[®] Technology and offers advanced low SAPS design to provide engine protection for GHG 17 & EPA 2010 compliant engines of on-highway diesel trucks running on Ultra Low Sulphur Diesel (ULSD).

Delo 400 XSP-FA SAE 5W-30 is formulated for use in newer engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filters (DPF) and Exhaust Gas Recirculation (EGR) systems and offers improved fuel economy where API FA-4 SAE 5W-30 engine oils are specified.

Delo 400 XSP-FA SAE 5W-30 has been developed and intensively field tested to ensure that it meets the stringent requirements of Mack, Renault and Volvo trucks and is approved against Mack EOS-5, Renault RLD-5, and Volvo VDS-5 respectively.

Customer benefits

- Delo 400 XSP-FA SAE 5W-30 viscosity and additive systems help improve fuel economy by up to 1.3% over SAE 15W-40 diesel engine oils
- Oxidation resistance, thermal stability and detergency offer high performance piston deposit control and turbocharger protection
- Wear control, deposit and soot dispersancy helps protect cylinders, pistons, rings, and valve trains against wear and corrosion
- Contributes to maximum vehicle service life and utilisation with minimal downtime and maintenance cost



Product highlights

- **Helps improve fuel economy by up to 1.3%**
- **Offers good keep-clean performance**
- **Promotes cylinder, piston and valve train wear protection**
- **Contributes to maximum vehicle service life**
- **Aids emissions control system service life**
- **Low temperature flow and pumpability**

Selected specification standards include:

API	Cummins
Detroit Diesel	Ford
Mack	Mercedes-Benz
Renault	Volvo

- Helps provide optimum emissions control system service life with minimal downtime and cleaning, reducing maintenance costs
- Low temperature flow and pumpability properties assist rapid oil circulation minimising wear at cold temperature start-up

Applications

- Delo 400 XSP-FA SAE 5W-30 is a fuel economy engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines in which API FA-4 grade and SAE 5W-30 viscosity grade are recommended
- Delo 400 XSP-FA SAE 5W-30 is specifically formulated for on-highway applications, including 2017 greenhouse gas (GHG 17) compliant diesel engines with lower CO2 emissions and 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), with or without Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems calling for SAE 5W-30
- Delo 400 XSP-FA SAE 5W-30 is not compatible with previous API Oil Services Categories
- Delo 400 XSP-FA SAE 5W-30 is not backwards compatible to any Volvo, Mack and Renault specification and should therefore not be used in trucks that require Volvo VDS-4.5, Volvo VDS-4, Volvo VDS-3, Volvo VDS-2, Volvo VDS, Renault RLD-3, Renault RLD-2, Renault RLD, Mack EOS-4.5, Mack EO-O Premium Plus, Mack EO-O, Mack EO-N Premium Plus, Mack EO-N and older Volvo, Renault and Mack specifications.
- Delo 400 XSP-FA SAE 5W-30 is approved for use in Mercedes Benz trucks that require DTFR 15C130 (previously MB 228.61) approved engine oils but is not backwards compatible to many other Mercedes Benz specification.

Approvals, performance and suitable for use

Approvals

- Cummins CES 20087
- Detroit Diesel DFS 93K223
- Mack EOS-5
- Daimler Truck DTFR 15C130 (previously MB 228.61)
- Renault RLD-5
- Volvo VDS-5

Performance

- ACEA F01
- API FA-4
SN
- Ford WSS-M2C214-B1

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	0.856
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	9.9
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	59
Viscosity Index	ASTM D2270	156
Pour point, °C	ASTM D97	-45
Flash point COC, °C	ASTM D92	231
Total Base Number, mg KOH/g	ASTM D2896	10.0
Sulphated Ash, %wt	ASTM D874	0.96

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 <http://europe.chevronlubricants.com>.

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