



# Delo<sup>®</sup> 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<sup>®</sup> 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.

## 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
- 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



## 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
Mercedes-Benz	

## 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 CO<sub>2</sub> 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

## Approvals, performance and recommendations

### Approvals

- Cummins CES 20087 (approval pending)
- Detroit Diesel 93K223 (approval pending)
- Mercedes-Benz MB 228.61 (approval pending)

### Performance

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

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 5W-30
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Density at 15°C, kg/l	ASTM D4052	0.856
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	9.9
Kinematic viscosity at 40°C, mm <sup>2</sup> /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	10.3
Sulphated Ash, %wt	ASTM D874	0.96

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.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**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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