

Delo[®] 400 XSP SAE 5W-30

Synthetic Heavy-Duty Diesel Engine Oil



Product description

Delo[®] 400 XSP SAE SW-30 with ISOSYN[®] Advanced Technology is a super-premium quality “low-SAPS” heavy duty diesel engine oil. It is specifically designed to lubricate a wide range of high speed diesel engines requiring API CK-4, CJ4, CI-4 PLUS / SN, or ACEA E9 performance lubricants operating under the most severe service conditions.

Customer benefits and product features

Customer benefits

- **Helps minimize fleet maintenance costs**
Exceptional soot dispersancy helps keep fuel soot in suspension, helping to minimize filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening. Helps improve equipment durability and reliability.
- **Low Temperature Protection**
Low viscosity synthetic base stock promotes consistent cold engine starting for gasoline and diesel engines operating in low temperatures thus helping to protect against start-up wear.
- **Exhaust after-treatment compatibility**
Formulated with latest generation “low-SAPS” technology containing reduced levels of metals, phosphorus and sulfur, it helps prolong the life of sensitive catalyst metals and the cleaning intervals of diesel particulate filters.
- **Helps minimize fleet operating costs**
Excellent deposit control on valves and piston crownlands helps reduce oil consumption. Exceptional oxidation stability and soot control helps provide extended oil drain capability so that equipment can be in service longer generating revenue. Contributes to maximum vehicle utilization and minimal downtime.
- **Helps reduce inventory costs**
Formulated to provide excellent overall performance in mixed fleets of different engine designs, (including modern low emission diesel engines) allowing one oil for many services and helping to reduce the chance of product misapplication. Backward compatible with previous API Oil Service Categories and engine models.

Product features

- Delo[®] 400 XSP SAE SW-30 with ISOSYN[®] Advanced Technology is formulated using advanced additive technology to provide outstanding protection for on-highway applications, including 2017 greenhouse gas-compliant (GHG 17) diesel engines with lower CO₂ emissions and improved fuel economy, in addition to EPA 2017 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems.

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Applications

- Mixed fleets of European, North American and/or Japanese diesel engines.
- Commercial road transport, including the latest engines fitted with exhaust cleanup devices of all types.
- Vehicles meeting recent exhaust emissions standards, including US EPA 2002, 2007 and 2010, 2017 greenhouse gas (GHG 17) Euro IV, V and VI, and Australian ADR 80/02 and ADR 80/03 (for heavy duty)
- Mixed fleets of both diesel and gasoline engines, and both old and new equipment
- Stop-and-go vehicles in high soot loading service such as buses and waste collection trucks
- Most diesel engine light duty vehicles
- Off-highway vehicles and plants including agricultural equipment, genset.
- Many heavy-duty gas-fueled vehicles

Product approvals, performance and recommendations

Performance standards

- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4 / SN
- ACEA E6, E7, E9
- Caterpillar ECF-3
- Cummins CES 20086
- Daimler MB-Approval 228.31 and MB-Approval 228.51
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DOC III-10 LA
- JASO DH-2
- Mack EOS 4.5
- MTU Category 3.1
- Renault RLD-4
- Volvo VDS-4.5

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Typical test data

DELO [®] 400 XSP	TEST METHOD	RESULTS
SAE Grade		5W-30
Product Code		505500
Base No., mg KOH/g	ASTM D2896	10
Phosphorus, m %		0.08
Sulfated Ash, m %	ASTM D874	1.0
Viscosity,		
mm ² /s @ 100°C	ASTM D445	12.1
mm ² /s @ 40°C	ASTM D445	72.4
Viscosity Index	ASTM D2270	165

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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