

# Delo<sup>®</sup> 600 ADF



## Premium Performance Synthetic-Technology Heavy-Duty Diesel Engine Oil

### Product Description

**Delo<sup>®</sup> 600 ADF SAE 15W-40** with OMNIMAX<sup>™</sup> is a premium, high performance, long drain, “ultra-low ash”, synthetic technology engine oil. It is recommended for Tier IV Final & 2017 greenhouse gas-compliant (GHG 17) diesel engines with lower CO<sub>2</sub> emissions and improved fuel economy fitted with selective catalytic reduction (SCR), diesel particulate filter (DPF) and exhaust gas recirculation (EGR) systems as well as in Euro VI and off-highway EU Stage V naturally aspirated and turbocharged four-stroke diesel engines, in which API CK-4 or ACEA E8 performance and 15W-40 or 10W-30 viscosity grades are recommended.

### Customer benefits and product features

#### Customer benefits

- **Helps minimize fleet maintenance costs.** Formulated with latest generation “ultra-low-ash” technology, it promotes reduced DPF clogging, helping minimize DPF maintenance, equipment downtime and service costs. Exceptional soot dispersancy helps keep fuel soot in suspension, and assists with minimizing filter plugging, cylinder head sludge, abrasive polishing wear and oil thickening.
- **Helps minimize fleet operating costs.** Excellent deposit control on valves and piston crownlands helps reduce oil consumption. Exceptional oxidation stability and soot control assist to provide extended oil drain capability so that equipment can be in service longer generating revenue. Can contribute to maximized vehicle utilization and minimized downtime.
- **Designed for improved fuel economy.** Low metallic ash formulation helps reduce DPF regeneration and back pressure, contributing to good fuel economy performance. Furthermore, lower viscosity of SAE 10W-30 offers improved fuel economy due to reduced friction at start-up and internal fluid friction during operation.
- **Helps reduce inventory costs.** Proprietary formulation is designed 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.
- **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.
- **Formulated to help reduce emissions.** Low Sulphated-Ash, Phosphorus and Sulphur (SAPS) technology helps maximize the life of sensitive catalyst metals and the cleaning intervals of diesel particulate filters.

#### Product features

- Delo<sup>®</sup> 600 ADF SAE 15W-40 helps provide extended DPF service intervals between manual cleanings and reduced fuel economy loss associated with DPF regenerations and ash build-up.

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### Application

- Mixed fleets of European, North American and/or Japanese OEMs with diesel engines
- Commercial road transport, including the modern engines fitted with exhaust cleanup devices of all types
- Vehicles meeting the most recent exhaust emissions standards, including US EPA 2002, 2007 and 2010, 2017 greenhouse gas (GHG 17) Euro IV, V and VI, Bharat Stage VI and Australian ADR 80/02 and ADR 80/03 (for heavy duty)
- 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 and generator sets
- Many heavy-duty gas-fueled vehicles in which such oils with the qualities of Delo 600 ADF are recommended.

*This is an imported product from (China). Packaging will be branded with Chevron*

### Product approvals, performance and recommendations

#### Performance standards

##### Approvals:

- API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4
- Cummins CES 20086, CES 20092
- DEUTZ DQC III-18 LA
- Daimler DTFR 15C100 (previously MB 228.31)
- Detroit Fluids Specification (DFS) 93K222
- MAN M3775
- Mack EOS 4.5
- Renault Trucks RLD-3
- Volvo VDS-4.5
- ZF TE-ML 04C (SAE 15W-40)

##### Meets the following specifications:

- ACEA E8, E11
- Caterpillar ECF-3

#### Service Considerations

“Low SAPS” engine oils tend to have lower Base Numbers than “conventional” heavy duty diesel engine oils. Used in conjunction with today’s low, very low or ultra-low sulfur content fuels this is of no consequence. However, in situations where very high sulfur (>0.2%) fuels are in use this may, to some extent, limit achievable drain intervals.

Fuel sulfur levels have declined significantly over the past decade but are still relatively high in some countries. For applications where fuel Sulfur is higher, other products from the Caltex range like Delo 400 MGX SAE 15W-40 are recommended.

While the level of phosphorus is low by heavy duty diesel engine oil standards, it is somewhat higher than permitted by certain recent standards for passenger car motor oils, e.g. ILSAC GF-6, and the ACEA “C” standards. Optimum life of catalytic emission control systems will be achieved by using oils of the performance standard recommended by the vehicle manufacturer.

Consult with OEM representatives for independent verification, updates and recommendations.

# Delo<sup>®</sup> 600 ADF SAE 15W-40

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## Typical Test Data

DELO <sup>®</sup> 600 ADF	TEST METHOD	RESULTS	
<b>SAE Grade</b>		<b>10W-30</b>	<b>15W-40</b>
<b>Product Code</b>		<b>500795</b>	<b>500860</b>
Base No., mg KOH/g	ASTM D2896	7	7
Pour Point, °C	D97	-33	-30
Sulfated Ash, m%	ASTM D874	0.5	0.5
Viscosity,			
mm <sup>2</sup> /s @ 40°C	ASTM D445	79.1	111.5
mm <sup>2</sup> /s @ 100°C	ASTM D445	11.9	14.9
Viscosity Index	ASTM D2270	145	136

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

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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