



# DELO<sup>®</sup> 600 ADF ISOCLEAN<sup>®</sup> CERTIFIED LUBRICANT 15W-40

## PRODUCT DESCRIPTION

“Delo. Let’s go further.<sup>®</sup>”

Delo<sup>®</sup> 600 ADF 15W-40 ISOCLEAN<sup>®</sup> Certified Lubricant with OmniMax is a premium, high-performance, long drain and mixed-fleet engine oil using synthetic technology. It is recommended for Tier IV Final & 2017 greenhouse gas-compliant, naturally aspirated and turbocharged four-stroke diesel engines, in which the API CK-4 service category and 15W-40 viscosity grade are recommended. Delo 600 ADF 15W-40 provides extended diesel particulate filter (DPF) service intervals between manual cleanings and reduced fuel economy loss associated with DPF regenerations and ash build-up.

Chevron ISOCLEAN Certified Lubricants have been certified to meet specified ISO Cleanliness standards at point of delivery using industry leading filtration and testing technology. ISOCLEAN Certified products are the first step for contamination control and maximizing component life.

## CUSTOMER BENEFITS

Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant with OmniMax is an API CK-4 performance heavy-duty engine oil, specifically formulated for off- and on-highway applications, including Tier IV Final and 2017 greenhouse gas-compliant (GHG 2017) engines with lower CO<sub>2</sub> emissions, as well as EPA 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems, calling for API CK-4.

Product(s) manufactured in the USA.

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.

A **Chevron** company product

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OmniMax delivers maximum system protection to both the engine and the emissions system. This all-encompassing protection helps drastically reduce the rate of DPF clogging to deliver extended DPF<sup>1</sup> service life and industry-redefining fuel economy retention.



Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant delivers value through:

- **Ready to use** — Enables users to meet stringent original equipment manufacturers’ cleanliness standards for fill lubricants.
- **Flexibility** — ISO Cleanliness targets can be customized to fit your business application needs.
- **Peace of mind** — Each delivery of Chevron ISOCLEAN Certified Lubricant includes an ISOCLEAN Certificate of Analysis.
- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers’ fluid cleanliness requirements.
- **Extended Emission Control System Interval** — Provides more than two times diesel particulate filter (DPF) service interval for minimal downtime and cleaning, thus managing your maintenance costs.
- **Maintain Fuel Economy Longer** — Less metallic additive ash build-up in DPF means less fuel consumed for regeneration and less DPF back pressure to help maintain fuel economy.

<sup>1</sup> Up to 2.5 times the extended DPF ash cleaning interval and up to 3% improved fuel economy retention based on Chevron field trials and engine tests.

- **Exceptional Deposit Control** — Provides high performance piston deposit control and turbocharger protection due to its superb oxidation performance. Its high performing detergent and dispersant additives provide excellent diesel engine component protection.
- **Superb Long Drain Performance** — Formulated for exceptional long oil drain protection for both on and off-road diesel engines.
- **Minimized Operating Costs** — Exceptional soot dispersancy and wear control. Cylinders, pistons, rings, and valve train components are well protected against wear and corrosion, providing optimum service life and minimal maintenance. Contributes to maximum equipment utilization and minimal downtime.
- **Warranty Plus Protection** — Bumper-to-bumper warranty protection from the engine to the drive train. Payment for Chevron lubricant-related damage to your equipment, including parts and labor.<sup>2</sup> Problem resolution and technical advice from Chevron's lubrication experts.
- **Access to Chevron's Lubrication and Industry Knowledge** — Helps maximize your bottom line business results.

## FEATURES

Delo® 600 ADF 15W-40 ISOCLEAN® Certified Lubricant is formulated with OmniMax, a Chevron Patented Technology. OmniMax delivers maximum system protection to both the engine and emissions systems. This all-encompassing protection helps drastically reduce DPF clogging, delivering industry redefining fuel economy retention and extended DPF service life.

Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant meets or exceeds current heavy-duty engine oil specifications to provide durability and wear protection of critical diesel engine parts.

## FUNCTIONS

Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant with OmniMax meets or exceeds API CK-4 performance requirements with ultra-low levels of metallic additives reducing the amount of ash build-up in engine emission after treatment systems such as diesel particulate filters (DPF) thus reducing the frequency of regeneration and unit cleaning.

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<sup>2</sup> See Warranty Plus for details and restrictions.

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Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant helps to keep rings clean and free for maximum combustion pressure and to provide minimal wear. It minimizes valve and piston crown land deposits, thus managing oil consumption. Its high level of ashless dispersants keeps fuel soot in suspension and thus helps to avoid oil filter clogging, heavy cylinder head sludge, abrasive polishing wear, high viscosity increase, oil gelling, and minimizes the risk of valve train wear.

Specially selected oxidation inhibitors control oxidation, oil thickening and sludge. Its unique blend of anti-wear additives protects against valve train wear and adhesion of highly loaded parts operating under boundary lubrication. A specially selected viscosity index improver ensures easy flow at low temperatures and excellent film protection in hot engine areas. A defoaming additive protects against air entrainment.

## APPLICATIONS

Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant with OmniMax is an API CK-4 heavy duty engine oil specifically formulated for on highway applications, including 2017 greenhouse gas (GHG 17) compliant diesel engines with lower CO<sub>2</sub> emissions, in addition to 2010 compliant low emission diesel engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems calling for 15W-40 premium heavy duty motor oil.

Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant with ultra-low ash additive technology is also recommended for off highway Tier IV Final emission compliant engine applications where an 15W-40 viscosity grade is required. It is formulated for engines with Selective Catalytic Reduction (SCR), Diesel Particulate Filter (DPF) and Exhaust Gas Recirculation (EGR) systems.

It is fully compatible with previous engine models and previous API Oil Service Categories.

**Delo® 600 ADF 15W-40 ISOCLEAN® Certified Lubricant is approved for:**

- **API Service Categories** CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4
- **Cummins** CES 20086
- **Detroit Fluids Specification (DFS)** 93K222
- **DEUTZ** DQC III-18 LA
- **Mack** EOS 4.5
- **MAN** M3775
- **Mercedes-Benz** MB 228.31
- **Volvo** VDS-4.5

**Delo 600 ADF 15W-40 ISOCLEAN Certified Lubricant is recommended for:**

- **ACEA** E6/E9
- **Caterpillar** ECF-3
- **MTU** Category 3.1

**TYPICAL TEST DATA**

<b>SAE Grade</b>	<b>15W-40</b>
<i>Product Number</i>	257014
<i>SDS Number</i>	
<i>U.S.</i>	50742
<i>Canada</i>	50743
<i>Mexico</i>	50744
Density at 15°C, kg/L	0.868
Viscosity, Kinematic	
mm <sup>2</sup> /s at 40°C	111.5
mm <sup>2</sup> /s at 100°C	14.9
Viscosity, Cold Crank, °C/mPa.s	-20/6400
Viscosity, MRV, °C/mPa.s	-25/19300
Viscosity, HTHS, mPa.s	4.4
Viscosity Index	136
Flash Point, °C(°F)	248(478)
Pour Point, °C(°F)	-30(-22)
Sulfated Ash, mass %	0.4
Base Number, mgKOH/g, ASTM D2896	7
Sulfur, mass %	0.2

Minor variations in product typical test data are to be expected in normal manufacturing.

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