



# DELO<sup>®</sup> 400 SNG ISOCLEAN<sup>®</sup> CERTIFIED LUBRICANT SAE 15W-40



## PRODUCT DESCRIPTION

“Delo. Let’s go further.<sup>®</sup>”

Delo<sup>®</sup> 400 SNG SAE 15W-40 ISOCLEAN<sup>®</sup> Certified Lubricant with ISOSYN<sup>®</sup> Technology is a premium CNG/LNG oil formulated to deliver outstanding protection and long drain performance in a wide variety of compressed natural gas (CNG), liquefied natural gas (LNG) and liquefied petroleum gas (LPG) fueled, spark-ignition mobile engine applications. It has demonstrated excellent field performance in natural gas engines, and has the capability to help customers minimize operating costs in CNG/LNG engines of municipal bus service, linehaul and delivery truck service, waste truck operations and off-road equipment.

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

Key benefits of Delo 400 SNG SAE 15W-40 include:

- **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.

Product(s) manufactured in the USA and Colombia.

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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- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers’ fluid cleanliness requirements.
- **Alternative Fuel Performance** — Delivers great performance for medium and heavy duty vehicles using CNG, LNG or LPG.
- **Excellent Engine Cleanliness** — Excellent ratings for sludge control; and valve, or piston deposits in field trials and engine tests.
- **Superb oil oxidation/nitration control for long oil service intervals.**
- **Low Wear Performance** — Offers excellent liner and piston ring protection in alternative fuel engines.
- **Extended Oil Drain Performance** — Delivers long drain performance protection despite high stress of CNG combustion.
- **Warranty Plus Protection** — warranty protection provided for CNG/LNG engines using Delo 400 SNG.<sup>1</sup>
- **Access to Chevron’s Lubrication and Industry Knowledge** — Helps maximize your bottom line business results.

## FEATURES

Delo 400 SNG ISOCLEAN Certified Lubricant is formulated with Chevron's ISOSYN



Technology, which incorporates premium base oils, shear stable viscosity modifier and a low ash additive package specially formulated for long-service ignited, CNG/LNG engines in stressful, high temperature conditions.

<sup>1</sup> See Warranty Plus for details and limitations.

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HDMO-36 ISOCLEAN

In heavy duty natural gas vehicles, Delo® 400 SNG ISOCLEAN® Certified Lubricant:

- Promotes engine reliability and durability through exceptional wear protection
- Minimizes valve recession and deposits
- Helps minimize oil consumption

## APPLICATIONS

Delo 400 SNG SAE 15W-40 ISOCLEAN Certified Lubricant can be used in various applications as follows:

- LNG/CNG Linehaul truck service
- LNG/CNG Delivery truck service
- LNG/CNG Waste truck service
- LNG/CNG Cement truck service
- LNG/CNG Oil Field truck servicing
- CNG Municipal Bus Service
- Light Duty CNG pick-up trucks

The types of CNG/LNG engine models that Delo 400 SNG ISOCLEAN Certified Lubricant is recommended for include:

- Cummins ISL G (8.9L)
- Cummins ISX12 G
- Cummins ISX12 N
- Cummins L9 N
- Detroit Diesel Series 50G
- Detroit Diesel Series 60G

## APPROVALS

Delo 400 SNG ISOCLEAN Certified Lubricant is recommended for engines in medium and heavy duty vehicles fueled by CNG, LNG or LPG.

Delo 400 SNG ISOCLEAN Certified Lubricant is approved against **Cummins** Engineering Standard CES 20092 and meets all of the requirements of **Cummins** Engineering Standard CES 20085.

It is suitable for use under:

- **Detroit Diesel** 93K216
- **Hino** CNG
- **Hyundai** CNG
- **Isuzu** CNG

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- **Mack** CNG
- **Renault** RGD
- **Volvo** CNG

Consult with your Chevron Lubricant Representative or Chevron ISOCLEAN Certified Lubricants Marketer to set specific ISO Cleanliness targets for your business application.

## TYPICAL TEST DATA

SAE Grade	15W-40
Product Number	235114
SDS Number	
U.S.	50030
Canada	50031
Mexico	50032
Colombia	50033
Density at 15°C, kg/L	0.87
Viscosity, Kinematic	
cSt at 40°C	115
cSt at 100°C	15.4
Viscosity Index	141
Viscosity, Cold Crank	
°C/Poise	-20/54
Flash Point, °C(°F)	238(460)
Pour Point, °C(°F)	-36(-33)
Sulfated Ash, wt %	0.89
Acid Number, ASTM D664, mgKOH/g	2.1
Base Number, ASTM D2896, mgKOH/g	7.0
Base Number, ASTM D4739, mgKOH/g	6.5
Phosphorus, ppm	770
Zinc, ppm	840

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