



# DELO<sup>®</sup> 400 NG

## SAE 15W-40

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### PRODUCT DESCRIPTION

"Delo. Let's go further.<sup>®</sup>"

Delo<sup>®</sup> 400 NG 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) engine applications. It has demonstrated excellent field performance in a variety of operations 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.

### CUSTOMER BENEFITS

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

- **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** — Minimal main or connecting rod bearing corrosion
- **Low wear performance:** Offers excellent tappet and liner wear performance in alternative fuel engines.
- **Extended oil drain performance:** Delivers long drain performance protection despite higher stress of CNG combustion<sup>1</sup>
- **Warranty Plus protection** — warranty protection provided for CNG/LNG engines using Delo 400 NG<sup>2</sup>
- **Access to Chevron's lubrication and industry knowledge** — Helps maximize your bottom line business results.

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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### FEATURES

Delo 400 NG 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 in spark and pilot diesel injection ignited, CNG/LNG engines in stressful, high temperature conditions.

**ISOSYN**  
TECHNOLOGY<sup>®</sup>

In heavy duty natural gas vehicles, Delo 400 NG:

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

### APPLICATIONS

Delo 400 NG SAE 15W-40 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

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- 1 Chevron has successfully tested Delo 400 NG SAE 15W-40 in Cummins ISL G series CNG engines in severe delivery truck service and has achieved oil drain intervals of 33% longer than the Cummins recommended drain interval for this engine in this service. Chevron recommends always following OEM specified oil drain intervals.
  - 2 See Warranty Plus for details and limitations.

The types of CNG/LNG engine models that Delo® 400 NG will provide maximum performance protection include:

- Cummins B5.9G
- Cummins C8.3G
- Cummins ISL G (8.9L)
- Cummins ISX12 G
- Cummins ISX15 G
- Detroit Diesel Series 50G
- Detroit Diesel Series 60G
- Navistar LNG Maxxforce® DT 7.6L
- Navistar LNG Maxxforce 13L

### APPROVALS

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

Delo 400 NG is approved for:

- **Cummins** CES 20074 natural gas engine oil specification
- **Detroit Diesel** 93K216 mobile gas engine oil specification

And is suitable for use under:

- MB 226.9
- Volvo CNG
- Mack CNG
- Renault RGD
- Isuzu CNG
- Hino CNG
- Hyundai CNG

### TYPICAL TEST DATA

<b>SAE Grade</b>	<b>15W-40</b>
<i>Product Number</i>	222221
<i>SDS Number</i>	31888
Density at 15°C, kg/L	0.876
Viscosity, Kinematic cSt at 40°C	126
cSt at 100°C	15.8
Viscosity Index	132
Viscosity, Cold Crank °C/Poise	-20/66
Flash Point, °C(°F)	230(446)
Pour Point, °C(°F)	-27(-17)
Sulfated Ash, wt %	0.85
Acid Number, ASTM D664	1.9
Base Number, ASTM D2896	6.1
Base Number, ASTM D4739	5.1
Phosphorus, ppm	800
Zinc, ppm	880

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

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