



# Delo 400 SNG SAE 15W-40

## Proven performance CNG/LNG/LPG engine oil

### Product description

Delo® 400 SNG SAE 15W-40 is a proven performance engine oil formulated to deliver reliable protection and long drain performance in a wide range of medium and heavy-duty compressed natural gas (CNG), liquified natural gas (LNG) and liquefied petroleum gas (LPG) engines.

Delo 400 SNG SAE15W-40 is formulated with ISOSYN® Technology which incorporates premium base oils, shear stable viscosity modifier and a low ash additive package, for long service in spark and pilot diesel injection ignited CNG/LNG engines operating in arduous high temperature conditions.

### Customer benefits

- Designed for reliable, long service performance and protection in medium and heavy-duty CNG, LNG or LPG vehicles
- Formulated for robust keep-clean performance and sludge control with minimum valve recession and piston deposits
- Good oil oxidation and nitration control promotes main or connecting rod bearing corrosion protection
- Offers robust tappet and liner wear resistance in alternative fuel engines

### Product highlights

- **Designed for long service protection**
- **Formulated for robust keep-clean performance**
- **Good oil oxidation and nitration control**
- **Offers robust tappet and liner wear resistance**

#### Selected specification standards include:

Cummins	Detroit Diesel
Hino	Hyundai
Isuzu	Mack
MB	Navistar
Renault	Volvo

## Applications

Delo 400 SNG SAE15W-40 is recommended for engines in medium and heavy-duty vehicles fuelled by CNG, LNG or LPG and can be used in the following applications:

- LNG/CNG linehaul trucks, delivery trucks, waste trucks, cement trucks and off-road trucks
- CNG municipal bus services
- Light duty CNG pick-up trucks

Delo 400 SNG SAE 15W-40 offers performance and protection in the following types of CNG/LNG engine models, but is not limited to these models only:

- Cummins B5.9G, C8.3G, ISL G (8.9L), ISX12 G, ISX12 N, ISX15 G & L9 N
- Detroit Diesel Series 50G & Series 60G
- Navistar LNG Maxxforce® DT 7.6L and LNG Maxxforce® 13L

## Approvals, performance and suitable for use

### Approvals

- Cummins CES 20092

### Performance

- Cummins CES 20085

### Suitable for use

- Detroit Diesel 93K216
- Hino CNG
- Hyundai CNG
- Isuzu CNG
- Mack CNG
- MB 226.9
- Renault VI RGD
- Volvo CNG
- Cummins CES 20074\*

\*only in stoichiometric combustion engines (product cannot be used in lean burn engines)

## Typical test data

Test	Test Methods	Results
Viscosity Grade		15W-40
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Density, 15 °C, kg/l	ASTM D4052	0.871
Viscosity, Kinematic at 40 °C, mm <sup>2</sup> /s	ASTM D445	115
Viscosity, Kinematic at 100 °C, mm <sup>2</sup> /s	ASTM D445	15.4
Viscosity Index	ASTM D2270	140
Pour Point, °C	ASTM D97	-36
Flash Point COC, °C	ASTM D92	238
Total Base Number, mg KOH/g	ASTM D2896	7.0
Sulphated Ash, %wt	ASTM D874	0.89

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

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