



Delo[®] 400 NG SAE 15W-40

High performance CNG, LNG and LPG engine lubricant

Product description

Delo 400 NG SAE 15W-40 is a high performance long drain compressed natural gas (CNG), liquefied natural gas (LNG) and liquefied petroleum gas (LPG) engine lubricant.

Delo 400 NG SAE 15W-40 is formulated with premium base oils in combination with shear stable viscosity modifiers and a low ash additive package. Delo 400 NG SAE 15W-40 offers long service life performance in spark and pilot diesel injection ignited CNG and LNG engines operating in high load, high temperature conditions, and offers cost efficient high performance protection in CNG and LNG municipal bus fleets, delivery trucks, waste trucks and off-road equipment.

Customer benefits

- Offers reliable high performance protection for medium and heavy duty vehicles using CNG, LNG or LPG
- Formulated for reliable engine cleanliness, with sludge control and valve and piston deposit protection
- Promotes good oil oxidation and nitration control with minimal main or connecting rod bearing corrosion
- Low wear performance – offers robust tappet and liner wear protection in alternative fuel engines
- Designed for extended oil drain intervals with long drain performance protection despite higher stress in CNG combustion

Product highlights

- **Offers robust CNG, LNG and LPG engine protection**
- **Provides reliable engine cleanliness**
- **Promotes good oil oxidation and nitration control**
- **Low wear performance**
- **Designed for extended oil drain**

Selected specification standards include:

Cummins	Detroit Diesel
Hino	Hyundai
Isuzu	Mack
Mercedes Benz	Renault
Volvo	

Applications

Delo 400 NG SAE 15W-40 is suitable for the following applications:

- 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 service
- CNG municipal bus service
- Light duty CNG pick-up trucks

Recommendations

Suitable for use in applications requiring:

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

Approvals, performance and recommendations

Approvals

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

Typical test data		
Test	Test Methods	Results
Viscosity Grade		SAE 15W-40
Shelf Life: 60 months from date of filling indicated on the product label		
Density at 15°C, kg/l	ASTM D4052	0.876
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	121
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	15.7
Viscosity Index	ASTM D2270	133
Pour point, °C	ASTM D97	-27
Flash point COC, °C	ASTM D92	230
Sulphated Ash, %wt	ASTM D874	0.85

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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