

Product Description and Application

Mobil Delvac Super GEO is a specially formulated fleet engine oil designed for trucks and buses using CNG (Compressed Natural Gas) or LNG (Liquified Natural Gas) as an alternative fuel in heavy duty diesel engines. It is made from the highest quality selected base stocks to provide excellent oxidation, nitration, and thermal stability. This results in less varnish, sludge, and carbon build-up under the most severe natural gas operating conditions. The product has superior resistance to foaming, exhibits good demulsibility, and provides excellent protection against corrosion.

Mobil Delvac Super GEO uses an advanced additive technology which minimises ash deposits in the combustion chamber and valves while providing maximum dispersancy for optimum cleanliness of CNG/LNG engines. The formulation is carefully balanced to provide outstanding protection against valve seat wear, piston scuffing, liner scoring, and cylinder wear while minimising deposit formation.

Mobil Delvac Super GEO is an SAE 15W-40 multigrade engine oil, which minimises oil consumption and has excellent shear stability during service. It provides a greater margin of high temperature viscosity protection in areas of high shear for better protection against bearing wear and cylinder liner scuffing. It also offers outstanding low temperature pour, cranking, and pumping capabilities.

Low levels of zinc and phosphorus allow use of Mobil Delvac Super GEO in the engines listed below when equipped with catalytic converters. The lubricant has excellent reserve alkalinity to neutralise oxyacids and nitrate products even under the most severe operating conditions.

Specifications

Mobil Delvac Super GEO was developed to provide the highest level of performance during normal operation in:

- spark ignited CNG and LNG lean burn engines;
- dual fuel engines using diesel fuel for start up;
- and 15% diesel pilot fuel with CNG or LNG.

It is designed to work in Cummins (except L 10G engine), Caterpillar, and Detroit Diesel engines.

Benefits

Mobil Delvac GEO offers the following benefits :

- Outstanding engine cleanliness
- Maximum protection against cylinder liner wear, piston scuffing, and scoring
- Excellent resistance to oxidation and nitration
- Optimised TBN retention
- Excellent valve face and seat wear protection
- Minimal ash deposits in lean burn and high oil consumption gas engines
- Longer drain capability compared to conventional fleet engine oils
- Excellent resistance to foaming and corrosion

Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

Typical Characteristics

	Mobil Delvac Super GEO
SAE Grade	15W-40
Viscosity, cSt at 40°C	108
Viscosity, cSt at 100°C	14.5
Viscosity Index	138
CCS (Cold Cranking) Viscosity, P at -15°C	31
Sulphated Ash, % wt	0.54
Total Base Number (TBN), mg KOH/g	5.3
Pour Point, °C	-33
Flash Point, °C	218
Noack Volatility, % (CEC)	13

Due to continual product research and development, the information contained herein is subject to change without notice.

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