



Mobil GEO 15W-40

Premium Natural Gas Engine Oil

Product Description

Mobil GEO 15W-40 is a premium fleet engine oil specifically formulated to provide reliable protection for trucks and buses using Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG). Mobil GEO 15W-40 is formulated from high quality base stocks and a balanced additive system. This advanced medium ash formulation provides excellent oxidation, nitration, and thermal stability to minimize combustion chamber ash deposits. Mobil GEO 15W-40 lubricates with less varnish, sludge, and carbon build-up under the most severe operating conditions.

Features and Benefits

Modern high output, high speed, lean-burn diesel type engines using natural gas fuels place severe demands on engine lubricants. Mobil GEO 15W-40 is formulated to strict standards to deliver reliable engine performance in modern diesel type engines using natural gas as the primary fuel. The key benefits include:

- High thermal and oxidation stability helps control sludge build-up and deposits
- Reserve TBN neutralizes oxy acids and nitrates to reduce deposits
- Shear stability reduces oil consumption and provides bearing wear and cylinder liner scuff protection
- Effective detergency/dispersancy keeps engines cleaner
- Low levels of Zinc and Phosphorous help extend catalytic converter life

Applications

Recommended by ExxonMobil for use in:

- Spark ignited CNG and LNG-fueled lean-burn engines
- Dual fuel engines using diesel fuel for start-up and 15% diesel pilot fuel with CNG/LNG
- On-highway light and heavy-duty trucks and busses

Specifications and Approvals

Mobil GEO 15W-40 is recommended by ExxonMobil for use in applications requiring:

Detroit 7SE272 9510

Mobil GEO 15W-40 meets or exceeds the requirements of:

Cummins CES 20074

Typical Properties

Mobil GEO 15W-40

SAE Grade	15W-40
Viscosity, ASTM D 445	
cSt @ 40°C	110
cSt @ 100°C	14.4
Viscosity Index, ASTM D 2270	130
Sulfated Ash, wt%, ASTM D 874	0.5
Total Base #, mg KOH/g, ASTM D 2896	5.0
Pour Point, °C, ASTM D 97	-27
Flash Point, °C, ASTM D 92	210
Density @ 15°C kg/l, ASTM D 4052	0.88

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com. ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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