



Mobil GEO™ 10W-40

Mobil Commercial Vehicle Lube , Canada

Premium Natural Gas Engine Oil

Product Description

Mobil GEO 10W-40 is a synthetic blend engine oil specifically formulated to provide reliable protection for engines using natural gas fuel, including Compressed Natural Gas (CNG) or Liquefied Natural Gas (LNG). This advanced low ash formulation provides excellent oxidation, nitration, and thermal stability to reduce combustion chamber ash deposits and minimize low spark plug fouling. Additionally, this engine oil was designed to operate over a wide range of operating temperatures, including cold start capabilities, helping operators run equipment longer and more reliably. Lastly, Mobil GEO 10W-40 was formulated with a robust anti-wear package, designed to extend the life of critical engine components, such as cams, lifters, and rockers.

Features and Benefits

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Modern high output, high speed, lean-burn diesel type engines using natural gas fuels place severe demands on engine lubricants. Mobil GEO 10W-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:

Features	Advantages and Potential Benefits
High thermal and oxidation stability	Helps prolong the life of the oil by controlling sludge build-up and deposits, thereby reducing lubricant expenses
TBN retention performance	Neutralizes oxy acids and nitrates to reduce deposits, helping prolong the life of the oil and reduce lubricant expenses
Strong shear stability	Reduces oil consumption and provides bearing wear and cylinder liner scuff protection, helping to reduce the need for oil top-off and lowering lubricant expenses

Applications

Recommended by Imperial for use in:

- Stationary automotive engines using natural gas fuel (for example, Chevrolet 4.3 or 5.7 liter, Ford 5.0L driving artificial lifts or pumpjacks)
- On-highway light, and heavy-duty trucks and buses powered by natural gas (note: for applications requiring CES 20092, refer to Mobil Delvac Modern CNG / LNG)
- Dual fuel engines using diesel fuel for start-up and 15% diesel pilot fuel with CNG/LNG
- Spark-ignited CNG and LNG-fueled lean-burn engines

Properties and Specifications

Property	
Grade	SAE 10W-40
Total Base Number, mgKOH/g, ASTM D2896	5.2

Property	
Density @ 15.6 C, kg/l, ASTM D4052	0.865
Flash Point, Cleveland Open Cup, °C, ASTM D92	228
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	105
Ash, Sulfated, mass%, ASTM D874	0.5
Pour Point, °C, ASTM D97	-27
Viscosity Index, ASTM D2270	139

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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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](http://www.exxonmobil.com)

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