



Guardol® NG

Phillips 66® Guardol NG is a high-quality, dispersant-detergent gas engine oil specially designed for use in vehicular natural gas engines. It is formulated with a higher level of antiwear additives to meet the enhanced wear protection requirements of diesel engine platforms converted to natural gas service. It is particularly recommended for use in transit buses, school buses, delivery trucks and other vehicles equipped with Cummins, Detroit Diesel or John Deere CNG or LNG engines.

Guardol NG is formulated to provide outstanding oxidation and nitration resistance to offer extended drain interval potential. It minimizes the formation of sludge and deposits for good engine cleanliness, and protects against valve stem deposits and valve seat recession, resulting in reduced maintenance and extended engine life. It also has good resistance to foaming and aeration.

Applications

- Transit buses, school buses, delivery trucks and other engines equipped with slider-follower valve trains operating on CNG or Natural gas.

Guardol NG is OEM-certified for:

- Cummins CES 20092

Guardol NG meets the performance requirements of:

- Detroit Diesel DFS 93K216 (Series 50G and Series 60G engines)
- John Deere 6.8L and 8.1L CNG engines

Features/Benefits

- Excellent wear protection for diesel engines converted to natural gas service
- High dispersancy protects against sludge and varnish formation
- Outstanding resistance to oxidation and nitration
- Protects against scuffing and wear
- Protects against valve stem deposits and valve seat recession
- Protects against rust and corrosion
- Good foam resistance

Natural Gas Engine Oil for Vehicular Applications





Guardol® NG

Typical Properties	
SAE Grade	15W-40
Specific Gravity @ 60°F	0.875
Density, lbs/gal @ 60°F	7.29
Color, ASTM D1500	7.5
Flash Point (COC), °C (°F)	227 (441)
Pour Point, °C (°F)	-36 (-33)
Viscosity, Kinematic	
cSt @ 40°C	114
cSt @ 100°C	15.2
Viscosity Index	139
Cold Cranking Viscosity (CCS), cP @ -20°C	6,300
Sulfated Ash, ASTM D874, wt %	0.76
Total Base Number (TBN), ASTM D2896	6.0
Phosphorus, wt %	0.080
Zinc, wt %	0.088

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/EN/products/Pages/MSDS.aspx>.

06-18-2019

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

© Phillips 66 Company. Phillips 66® and its respective logos and products are registered trademarks of Phillips 66 Company in the U.S.A. and other countries.