

CITGO CITGARD® NATURAL GAS 15W-40
ENGINE OIL

Date 1/09

DESCRIPTION: CITGARD Natural Gas 15W-40 Engine Oil is specially formulated for compressed natural gas (CNG) engines in transit operation. It is available as an SAE 15W-40 viscosity grade. Building on CITGO's long heritage of outstanding gas engine oils for stationary applications, CITGARD NATURAL GAS 15W-40 ENGINE OIL provides the protection needed in today's demanding mobile CNG applications.

QUALITIES: CITGARD Natural Gas 15W-40 Engine Oil is formulated with base stocks specially selected for compressed natural gas operation, proven additives and a shear stable VI improver. This unique combination provides protection against deposits in the higher temperature natural gas combustion chamber. Liner and tappet wear protection far exceed original equipment manufacturer's requirements. CITGO's combination of components provides excellent cold pumpability, foam protection, exceptional oxidation and nitration control, overall engine cleanliness, and reduced oil consumption.

APPLICATIONS: CITGARD Natural Gas 15W-40 Engine Oil exceeds the requirements for Cummins Engine Company CES 20074 and is recommended for Cummins L-10, "B" and "C" series CNG engines. CITGARD Natural Gas 15W-40 Engine Oil is recommended for applications of Detroit Diesel included in their 7SE272 publication, including Series 50G and 60G natural gas engines. Mack Trucks and John Deere also call for this quality of oil in their natural gas fueled engines. CITGARD Natural Gas 15W-40 Engine Oil is also suitable for use with other gaseous fuels such as liquefied natural gas and LPG. Always consult your owner's manual for correct oil recommendations.

TYPICAL PROPERTIES:**CITGO CITGARD® NATURAL GAS 15W-40 ENGINE OIL**

SAE Grade	15W-40
Material Code	632015001
Gravity, ASTM D 4052, °API	29.1
Pounds Per Gallon	7.35
Flash Point, ASTM D 92, °F, (°C)	445 (234)
Viscosity ASTM D 445, cSt at 40°C	119
cSt at 100°C	15.5
Viscosity Index, ASTM D 2270	135
Pour Point, ASTM D 97, °F, (°C)	-27 (-33)
Sulfated Ash, ASTM D 872, %	0.57
Total Base Number, ASTM D 2896	5.2
API Service Category	CD