

CITGO CITGARD® 500 HSN ENGINE OIL  
SAE 15W-40



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**DESCRIPTION:** CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is specially formulated for turbo charged diesel engines operating in severe conditions and using higher sulfur fuel. CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is designed to provide improved performance for older engines and newer engines that are not equipped with diesel particulate filters.

**QUALITIES:** CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is formulated with a balanced base oil and additive combination to deliver optimum performance in the critical areas of lubrication.

- The higher TBN (Total Base Number) formulation provides added corrosive wear protection to neutralize the harmful effects of fuel sulfur acid.
- The SAE 15W-40 multi-grade maintains a stable viscosity and protective oil film when operating at higher loads and temperatures.
- The performance benefits include overall engine cleanliness, reduced oil consumption and improved engine cold cranking start up protection.

**APPLICATIONS:** CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is recommended for turbocharged and naturally aspirated diesel engines operating with higher sulfur fuel. CITGO CITGARD 500 HSN Engine Oil SAE 15W-40 is also recommended for Caterpillar ECF-2.

**TYPICAL PROPERTIES:**

**CITGO CITGARD® 500 HSN ENGINE OIL SAE 15W-40**

SAE Grade	15W-40
API Service Category	CI-4/SL
Material Code	622215001
Gravity, ASTM D 4052, °API	30.0
Density, lbs/gal at 60°F	7.30
Flash Point, ASTM D 92 (COC), °F (°C)	450 (232)
Viscosity ASTM D 445, cSt at 40°C	120
cSt at 100°C	15.8
Viscosity Index, ASTM D 2270	139
Pour Point, ASTM D 97, °F (°C)	-38 (-39)
Sulfated Ash, ASTM D 874, m%	1.3
Total Base Number, ASTM D 2896, mg KOH/g	11.3

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