

CITGO SUPERGARD® SYNTHETIC 0W-20 MOTOR OIL



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DESCRIPTION: CITGO SUPERGARD Synthetic 0W-20 Motor oil is a well-balanced combination of today's highest quality synthetic base stocks and is engineered with an advanced additive system designed to provide outstanding engine protection and enhanced fuel economy. CITGO SUPERGARD Synthetic 0W-20 Motor Oil meets and exceeds the requirements of the latest industry standards like ILSAC GF-4, API SM, and ACEA performance standards and it will outperform conventional motor oils. CITGO SUPERGARD Synthetic 0W-20 is recommended for SAE 0W-20 and 5W-20 applications.

- QUALITIES:**
- Outstanding low-temperature starting and pumpability characteristics.
 - Outstanding thermal and oxidation stability which results in longer lasting protection.
 - Excellent overall lubrication and wear protection.
 - Increased engine efficiency and fuel economy when based on a comparison versus those viscosity grades most commonly used.
 - High-temperature/High-shear properties well above conventional oils.
 - Lower volatility when compared to conventional oils.
 - Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life.
 - Meets the most advanced emissions and fuel economy standards in the US gasoline powered engines.
 - Compatible with conventional and synthetic motor oils.

APPLICATIONS: CITGO SUPERGARD Synthetic 0W-20 Motor Oil is recommended for Original Equipment Manufacturers (OEM) such as Toyota and Honda for some hybrid vehicle applications and a limited number of low temperature applications.

CITGO SUPERGARD Synthetic 0W-20 Motor Oil meets the performance requirements for the latest gasoline fueled engine service ILSAC GF-4 and API SM and display the API certification mark and API Service Symbol.

TYPICAL PROPERTIES:

CITGO SUPERGARD® SYNTHETIC 0W-20 MOTOR OIL

Material Code	620860001
SAE GRADE	0W-20
Gravity, ASTM D 4052, °API	34.9
Pounds per gallon	7.08
Flash Point, ASTM D 92 (°C)	220
Low Temperature Cranking, ASTM D 5293	
Temperature (°C)	-35
Viscosity, cP	5390
Viscosity, ASTM D 445, cSt at 40°C	46.9
cSt at 100°C	8.5
Viscosity Index	165
Low Temperature Pumpability, ASTM D 4684	
Temperature (°C)	-40
Viscosity, cP	14,600
HTHS Rate, ASTM 4683, Vis cP@150°C	2.6
Pour Point, ASTM D 97 (°C)	-40
ILSAC GF-4/ API SM	Yes
Energy Conserving	Yes

Note: CITGO SUPERGARD Synthetic Motor Oils are not recommended for use in diesel engines in passenger cars, vans, or light trucks. CITGO CITGARD Motor Oils are recommended for these applications.