

CITGO SUPERGARD® EUROPEAN FORMULA
SAE 5W-40 MOTOR OIL

Date 03/15

DESCRIPTION: CITGO SUPERGARD European Formula 5W-40 Motor Oil is a premium quality, high performance full synthetic oil formulated for use in certain European vehicles with gasoline engines. The specially crafted formulation contains a well-balanced combination of today's highest quality synthetic base stocks and an advanced additive system specifically designed to provide superior performance and protection under the most demanding driving conditions.

- QUALITIES:**
- Excellent low-temperature starting and pumpability characteristics
 - High-temperature/high-shear properties well above conventional oils
 - Extended drain interval capabilities
 - Lower volatility when compared to conventional oils
 - Excellent thermal and oxidation stability
 - Enhanced protection against varnish buildup and sludge formation in critical engine parts for top performance and long engine life
 - Extended engine life due to control of wear and deposit formation

- APPLICATIONS:**
- High performance full synthetic oil designed for use in certain Audi, BMW, Mercedes Benz, Volkswagen and other European vehicles with gasoline engines.
 - Approved under VW Standard 502 00 and VW Standard 505 00
 - Formulated to meet referenced specifications for:
 - BMW Longlife-01
 - Mercedes Benz 229.5
 - API Service Category SN

NOTE: Product is pending BMW and Mercedes Benz approval.

TYPICAL PROPERTIES:**CITGO SUPERGARD® EUROPEAN FORMULA 5W-40 MOTOR OIL**

SAE Grade	5W-40
Material Code	620884001
Gravity, ASTM D 4052, °API	34.1
Pounds Per Gallon	7.11
Flash Point, ASTM D 92, °F (°C), COC	450 (232)
Low Temperature Cranking, ASTM D 5293	
Temperature, °F (°C)	-22 (-30)
Viscosity, cP	5,935
Viscosity ASTM D 445, cSt at 40°C	82.6
cSt at 100°C	13.6
Viscosity Index, ASTM D 2270	168
Pour Point, ASTM D 97, °F (°C)	-51 (-46)
Color, ASTM D 1500	L3.0
API SN	Yes
ILSAC GF-5	No