

CITGO SUPERGARD® EUROPEAN FORMULA MOTOR OILS



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**DESCRIPTION:** CITGO SUPERGARD European Formula Motor Oils are premium quality, high performance full synthetic oils formulated for use in certain European vehicles. These specially crafted formulations contain well-balanced combinations of today's highest quality synthetic base stocks and advanced additive systems 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:**
- For use in certain Audi, BMW, Mercedes Benz, Porche, Volkswagen and other European vehicles
  - SAE 5W-40 approved under VW Standard 502 00 and VW Standard 505 00
- Consult owner's manual for proper fluid specifications.

**TYPICAL PROPERTIES:**

**CITGO SUPERGARD® EUROPEAN FORMULA MOTOR OILS**

<b>SAE Grade</b>	<b>5W-30</b>	<b>5W-40</b>
Material Code	620883001	620884001
Gravity, ASTM D4052, °API	34.52	34.1
Pounds Per Gallon	7.1	7.11
Flash Point, ASTM D92, °F (°C), COC	442 (228)	450 (232)
Low Temperature Cranking, ASTM D5293 Temperature, °F (°C)	-22 (-30)	-22 (-30)
Viscosity, cP	6,030	5,935
Viscosity ASTM D445, cSt at 40°C	67.67	82.6
cSt at 100°C	11.69	13.6
Viscosity Index, ASTM D2270	169	168
Pour Point, ASTM D97, °F (°C)	-49 (-45)	-51 (-46)
Color, ASTM D1500	L2.5	L3.0
API SN	Yes	Yes
<b>OEM Approvals:</b>		
VW 502.00, 505.00	—	Yes
VW 504.00, 507.00	Pending	—
BMW Longlife-01	—	Pending
BMW Longlife-04	Pending	—
Mercedes Benz 229.5	—	Pending
Mercedes Benz 229.51	Pending	—

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