

CITGO® SUPERGARD®

European Formula Motor Oils



OVERVIEW



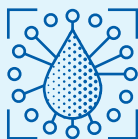
- Premium quality, high-performance full synthetic oils specially formulated for use in certain European vehicles.
- Well balanced combinations of today's highest quality synthetic base stocks and advanced additive systems provide superior performance and protection under the most demanding driving conditions.

FEATURES & BENEFITS



- Excellent low-temperature starting and pumpability characteristics.
- High-temperature/high-shear properties superior to those of 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 to provide top performance and long engine life.

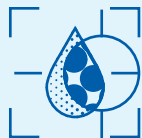
APPLICATIONS



- For use in certain Audi, BMW, Mercedes Benz, Porsche, Volkswagen, and other European vehicles.
- Recommended for use in the following applications

Specifications	5W-30	5W-40
ACEA A3/B4-12	—	Yes
API SN	Yes	Yes
BMW LL-01	—	Yes
BMW LL-04	Yes	—
MB-229.3	—	Yes
MB-229.5	—	Yes
MB-226.5	—	Yes
MB-229.51	Yes	—
Opel GM-LL-B-025	—	Yes
Porsche A40	—	Yes
Porsche C30	Yes	—
PSA B7 12290	—	Yes
Renault RN0700	—	Yes
Renault RN0710	—	Yes
VW 502 00	—	Yes
VW 505 00	—	Yes
VW 504 00	Yes	—
VW 507 00	Yes	—

- Refer to equipment owner's manual for proper lubricant recommendation.

PROPERTIES**Typical Properties for CITGO SUPERGARD European Formula Motor Oils:**

SAE Grade	5W-30	5W-40
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

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