

CITGO SUPERGARD® SYNTHETIC
INTL MOTOR OILS

Date 04/18

DESCRIPTION: CITGO SUPERGARD Synthetic Motor Oils are well-balanced combinations of today's highest quality synthetic base stocks and contain an advanced additive system that meets stringent automotive specifications. They are designed to provide excellent protection in today's high performance gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. These synthetic engine oils demonstrate improved performance in today's advanced engine designs, and are available in SAE 0W-20, 5W-20 and 5W-30 viscosity grades.

- QUALITIES:**
- Excellent low-temperature starting and pumpability characteristics
 - High-temperature/high-shear properties well above conventional oils
 - 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
 - Compatible with conventional and synthetic motor oils

APPLICATIONS: CITGO SUPERGARD Synthetic Motor Oils are recommended for passenger cars, sport utility vehicles and light trucks operating on gasoline. They are also recommended for use in gasoline engines which have been converted to operate on compressed natural gas (CNG), liquified natural gas (LNG), and liquified petroleum gas (LPG-which includes propane and butane). Consult the vehicle owner's manual for proper engine lubricant selection.

CITGO SUPERGARD Synthetic Motor Oils meet the performance requirements for the latest gasoline-fueled engine service ILSAC GF-5/Resource Conserving and API SN and display the API Certification Mark and API Service Symbol. They have also demonstrated benefits in industry accepted fuel economy tests.

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.

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Date 04/18 - (Continued)

TYPICAL PROPERTIES:**CITGO SUPERGARD® SYNTHETIC INTL MOTOR OILS**

SAE GRADE	0W-20	5W-20	5W-30
Material Code	620865001	620866001	620867001
Gravity, ASTM D4052, °API	35.0	34.5	34.2
Pounds Per Gallon	7.08	7.10	7.11
Flash Point, ASTM D92, °F (°C), COC	428 (220)	442 (228)	450 (232)
Low Temperature Cranking, ASTM D5293 Temperature, °F (°C)	-31 (-35)	-22 (-30)	-22 (-30)
Viscosity, cP	5,190	5,300	4,080
Viscosity, ASTM D445, cSt at 40°C	46.0	52.0	58.5
cSt at 100°C	8.5	8.7	10.5
Viscosity Index, ASTM D2270	164	145	171
Pour Point, ASTM D97, °F (°C)	-33 (-36)	-33 (-36)	-27 (-33)
Color, ASTM D1500	L3.5	L3.5	L3.5
ILSAC GF-5	Yes	Yes	Yes
API SN	Yes	Yes	Yes
Resource Conserving dexos1® Licensed	Yes No	Yes No	Yes No

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