CITGO SUPERGARD® MOTOR OILS

Date 05/12

DESCRIPTION: CITGO SUPERGARD Motor Oils are premium quality engine oils designed to provide optimum performance in high-output gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. The new technology incorporated in this latest-generation lubricant enables it to exceed manufacturers' performance requirements. These engine oils demonstrate improved performance in today's advanced engine designs. CITGO SUPERGARD is available in both single and multigrades. The SAE 5W-20 and SAE 5W-30 are classified as synthetic blends.

QUALITIES:

- Exceed latest SAE low-temperature pumping viscosity requirements.
- Provide improved performance in foaming control.
- Provide significantly greater engine cleanliness, wear protection and resistance to oil thickening.
- Protect against varnish buildup and sludge formation on critical engine parts.
- Control high-temperature deposits in critical ring belt area.
- Provide maximum protection against rust and corrosion.
- Meet SAE standards for high-temperature/high-shear rate viscosity.
- Extend engine life by controlling wear and deposit formation.

SERVICE CATEGORIES:

- All viscosity grades are licensed for API SN and are backward compatible with prior API Service Categories (SM, SL, SJ and SH).
- SAE 5W-20 and SAE 5W-30 are synthetic blends with API SN, Resource Conserving and ILSAC GF-5.
- SAE 10W-30 – API SN, Resource Conserving and ILSAC GF-5.
- SAE 5W-20 and 5W-30 – Meet the performance requirements of Ford WSS-M2C 930-A and M2C929-A respectively.
- SAE 5W-20 – Meets the performance requirements of Honda SAE 5W-20 specification.
- SAE 5W-30, 5W-20 – Meets the performance requirements of General Motors GM6094M.
- Military CID: A-A-52039 (Commercial Item Description, supercedes MIL-L-46152).

APPLICATIONS: CITGO SUPERGARD Motor Oils are recommended for passenger cars, sport utility vehicles, and light trucks operating on gasoline. CITGO SUPERGARD Motor Oils 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 SAE 5W-20 and 5W-30 are synthetic blends incorporating a high percentage of synthetic components and meet the performance requirements for latest gasoline-fueled engine service and display the API Certification Mark. SAE 5W-20, 5W-30, and 10W-30 have also demonstrated benefits in industry accepted fuel economy tests.

Note: CITGO SUPERGARD 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 05/12 - (Continued)

TYPICAL PROPERTIES:

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SAE Grade	5W-20	5W-30	10W-30	10W-40	20W-50	30	40
Material Code	620802001	620805001	620813001	620814001	620825001	620903001	620904001
Gravity, ASTM D 4052, °API	32.3	32.9	30.6	30.7	28.8	28.7	28.0
Pounds Per Gallon	7.19	7.17	7.27	7.27	7.35	7.35	7.39
Flash Point, ASTM D 92, COC, °F (°C)	439 (226)	442 (228)	450 (232)	453 (234)	473 (245)	489 (254)	500 (260)
Low Temperature Cranking, ASTM D 5293							
Temperature, °F (°C)	-22 (-30)	-22 (-30)	-13 (-25)	-13 (-25)	5 (-15)	–	–
Viscosity, cP	5,970	5,200	5,770	6,000	6,120	–	–
Viscosity:							
ASTM D 445, cSt at 40°C	49.9	59.3	70	97	163	104	148
cSt at 100°C	8.15	9.8	10.4	14.1	18.1	11.8	14.7
Viscosity Index, ASTM D 2270	142	151	134	149	123	103	98
Pour Point, ASTM D 97, °F (°C)	-33 (-36)	-38 (-39)	-33 (-36)	-33 (-36)	-27 (-33)	-22 (-30)	0 (-18)
Color, ASTM D 1500	L3.5	L3.5	L3.5	L3.5	L3.5	L3.5	L4.0
API Service Category	SN	SN	SN	SN	SN	SN	SN
API Certification Mark	Yes	Yes	Yes	No	No	No	No
Resource Conserving	Yes	Yes	Yes	No	No	No	No