CITGO SUPERGARD® ULTRALIFE™ MOTOR OILS

Date 1/09

DESCRIPTION: SUPERGARD UltraLife Motor Oils are premium quality engine oils designed to improve the life of older higher mileage engines. They will provide optimum performance in these high-output gasoline (including turbocharged and supercharged) engines in passenger cars, vans, sport utility vehicles, and light trucks. These oils are formulated with highly refined base oils and additive systems that will handle those problems associated with the older, higher mileage engines that have exceeded their warranty. SUPERGARD UltraLife can be used in rebuilt and new engines.

BENEFITS: A change to SUPERGARD UltraLife benefits your engine:

- Provides extra wear protection
- Provides improved seal conditioning to help reduce oil leakage and valve deposits
- Offers excellent resistance to oil burn-off
- Provides extra cleaning to critical engine parts
- Helps improve overall engine performance
- Offers excellent oxidation and thermal stability to help maintain engine cleanliness and deposit formation

APPLICATIONS: SUPERGARD UltraLife Motor Oils are recommended for the older higher mileage, rebuilt, and new passenger cars, sport utility vehicles and light trucks operating on gasoline. SUPERGARD UltraLife Motor Oils are available in SAE 5W-30, 10W-30, and 10W-40 grades and exceeds gasoline engine oil requirements for API services SL, SJ, SH and previous categories.

TYPICAL PROPERTIES:

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SAE Grade	**5W-30**	**10W-30**	**10W-40**
Material Code	620892001	620893001	620894001
Gravity, ASTM D 4052, °API	32.6	29.7	30.1
Density, lb/gal at 60°F	7.18	7.31	7.29
Flash point, COC, ASTM D 92, °F (°C)	457 (236)	457 (236)	442 (228)
Viscosity ASTM D 445, cSt at 40°C	65.8	79.1	110.2
cSt at 100°C	11.0	11.9	15.8
Viscosity Index	159	144	153
Low Temperature Cranking at -22°F (-30°C), ASTM D 5293, cP	5,760	–	–
Low Temperature Cranking at -13 °F (-25°C), ASTM D 5293, cP	–	6,300	6,555
Low Temperature Pumping at -31°F (-35°C), ASTM D 4684, cP	18,400	–	–
Low Temperature Pumping at -22°F (-30°C), ASTM D 4684, cP	–	21,000	24,000
Yield Stress, Pa	None	None	None