



CITGO® SUPERGARD® UltraLife® Motor Oils

OVERVIEW



- Premium-quality engine oils designed to provide optimum performance and improve the life of older, higher-mileage engines (including turbocharged and supercharged) found in passenger cars, vans, sport utility vehicles, and light trucks.
- Formulated with highly refined base oils and additive systems that will handle those problems associated with older, higher-mileage engines that have exceeded their warranty.

FEATURES & BENEFITS



- Provide extra wear protection.
- Provide improved seal conditioning to help reduce oil leakage and valve deposits.
- Offer excellent resistance to oil burn-off.
- Provide extra cleaning to critical engine parts.
- Help improve overall engine performance.
- Offer excellent oxidation and thermal stability to help maintain engine cleanliness and prevent deposit formation.
- Protects today's high power density engines from Low Speed Pre-ignition (LSPI) and timing chain wear.

APPLICATIONS



- Recommended for older, higher mileage, rebuilt, and new passenger cars, sport utility vehicles, and light trucks operating on gasoline.
- Licensed API SP and backward compatible with prior API Service Categories (SN Plus, SM, SL and SJ).
- Grades SAE 5W-20, 5W-30 and SAE 10W-30 are licensed ILSAC GF-6A Resource Conserving.
- Refer to equipment owner's manual for proper lubricant recommendation.

PROPERTIES



Typical Properties for CITGO SUPERGARD UltraLife Motor Oils:

SAE Grade	5W-20	5W-30	10W-30	10W-40
Material Code	620891001	620892001	620893001	620894001
Gravity, ASTM D4052, °API	32.1	32.6	30.7	31.0
Density, lb/gal at 60°F	7.20	7.18	7.27	7.25
Flash point, COC, ASTM D92, °F (°C)	450 (232)	450 (232)	450 (232)	453 (234)
Viscosity ASTM D445				
cSt at 40°C	48.8	65.7	73.5	102.0
cSt at 100°C	8.3	10.9	11.0	15.0
Viscosity Index	150	158	139	154
Pour Point, ASTM D97, °F (°C)	-42 (-41)	-38 (-39)	-44 (-42)	-38 (-39)
Low Temperature Cranking at -22 °F (-30°C), ASTM D5293, cP	6,280	6,250	—	—
Low Temperature Cranking at -13 °F (-25°C), ASTM D5293, cP	—	—	6,180	6,080
Low Temperature Pumping at -31°F (-35°C), ASTM D4684, cP	21,200	29,300	—	—
Low Temperature Pumping at -22°F (-30°C), ASTM D4684, cP	—	—	23,200	31,500
Yield Stress, Pa	<35	<35	<35	<35
Ford WSS	M2C9060-A1	M2C961-A	N/A	N/A
Chrysler MS 6395	Yes	Yes	Yes	N/A

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