



# MOTOR OIL

SAE 5W-20, SAE 5W-30, SAE 10W-30

## SYNTHETIC BLEND

**BLUE RIBBON Synthetic Blend Motor Oils** are premium quality synthetic blends that meet performance requirements for **API SQ / GF-7** motor oil designed for use in passenger cars, vans, sports utility vehicles and light trucks under all operating conditions. It is formulated to provide excellent wear protection, to minimize engine sludge and varnish deposits, and to resist viscosity and high temperature thermal breakdown even in severe service. It also protects against rust, bearing corrosion and foaming. The part-synthetic formulation provides enhanced oxidation resistance and easier cold starts compared to conventional all-mineral oils.

### FEATURES & BENEFITS:

**BLUE RIBBON Synthetic Blend Motor Oils** are “Energy Conserving” for improved fuel economy and exceeds new car warranty requirements as defined by ILSAC GF-7. In addition, it is specifically formulated to help protect and extend the service life of vehicle emissions control systems.

**BLUE RIBBON Synthetic Blend Motor Oils** provide the following:

- Increased fuel economy/energy conserving
- Improved cold weather starting and protection
- Better oxidation protection
- Reduced valve train wear
- Piston (ring) cleanliness and deposit control
- Low-temperature sludge control
- Used oil pumpability
- Emissions system protection

### APPLICATIONS:

**BLUE RIBBON Synthetic Blend Motor Oils** are recommended for use in passenger cars, vans, light trucks and sports utility vehicles under all driving conditions. The SAE 5W-20 viscosity grade meets the performance requirements for Ford, Honda, Mazda and other automobiles where an SAE 5W-20 engine oil is recommended.

Meets performance requirements of:

- API service SQ
- Energy Conserving, ILSAC GF-7
- DaimlerChrysler MS-6395N, MS-6395L
- Ford WSS-M2C947-A (SAE 0W-20), WSS-M2C945-A (SAE 5W-20), WSS-M2C946-A (SAE 5W-30), WSS-M2C205A (SAE 10W-30)
- GM 6094M, GM 9986202 (SAE 5W-20), GM 9986231 (SAE 5W-30)

### AVAILABILITY:

**BLUE RIBBON Synthetic Blend Motor Oils** are available in bulk and drums throughout the Blue Ribbon marketing area.

### DECKMAN OIL COMPANY, INC.

9 Norton Street • Honeoye Falls, N.Y. 14472

phone: (585) 624-1630 • (800) 836-0562

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## SYNTHETIC BLEND

TYPICAL PROPERTIES	ASTM	5W-20	5W-30	10W-30
Density, kg/L @ 15°C/59°F	D4052	0.853	0.851	0.862
Colour	D1500	<3.0	<3.0	<3.0
Flash Point, COC, °C/°F	D92	226 / 439	230 / 446	225 / 437
Pour Point, °C/°F	D5950	-45 / -49	-45 / -49	-42/-44
Kinematic Viscosity cSt @ 40°C cSt @ 100°C	D445	50.1 8.7	64.4 10.9	69.7 10.7
Viscosity Index	D2270	153	161	142
Cold Cranking Viscosity - cP @ °C/°F	D5293	4800 @ -30 / -22	4700 @ -30 / -22	5000 @ -25 / -13
Borderline Pumping Viscosity, cP @ °C/°F	D4684	14500 @ -35 / -31	18000 @ -35 / -31	16000 @ -30 / -22
Volatility (Noack), % loss	D5800	11.3	11.9	10.0
Sulphated Ash, % wt	D874	0.84	0.81	0.84
Sulphur, % wt	D4294	0.25	0.25	0.26
Phosphorous, % wt	D4951	0.07	0.08	0.08
Base Number (BN), mg KOH/g	D2896	7.0	7.0	7.0
High-Temperature High-Shear (HTHS) Viscosity, cP @ 150°C	D4683	2.6	3.1	3.0

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