

BLUE RIBBON

QUALITY LUBRICANTS SINCE 1974

QL SYN - BLEND MOTOR OIL

SAE 5W-20, 5W-30



BLUE RIBBON QL Synthetic Blend Motor Oils are a premium quality, part-synthetic, **API SP GF-6A** 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 QL Synthetic Blend Motor Oils are "Resource Conserving" for improved fuel economy and exceeds new car warranty requirements as defined by ILSAC GF-6A. In addition, it is specifically formulated to help protect and extend the service life of vehicle emissions control systems.

BLUE RIBBON QL Synthetic Blend Motor Oils provide the following:

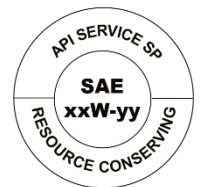
- Increased fuel economy/energy conserving
- Improved cold weather starting and protection
- Better oxidation protection
- Reduced valve train wear
- Piston (ring) cleanliness and deposit control
- Low-temperature sludge control
- Used oil pumpability
- Emissions system protection

APPLICATIONS:

BLUE RIBBON QL Synthetic Blend Motor Oils are recommended for use in passenger cars, vans, light trucks and sports utility vehicles under all driving conditions. It exceeds new car warranty requirements as defined by ILSAC GF-6A. The SAE 5W-20 viscosity grade exceeds the performance requirements for Ford, Honda, Mazda and other automobiles where an SAE 5W-20 engine oil is recommended.

Meets or exceeds the requirements of:

- API service SP
- Resource Conserving, ILSAC GF-6A
- DaimlerChrysler MS-6395N, MS-6395L
- Ford WSS-M2C945-A (SAE 5W-20), WSS-M2C946-A (SAE 5W-30)
- GM 6094M, GM 9986202 (SAE 5W-20), GM 9986231 (SAE 5W-30)



AVAILABILITY:

BLUE RIBBON QL Synthetic Blend Motor Oils are available in bulk quantities throughout the Blue Ribbon marketing area.

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BLUE RIBBON

QL SYNTHETIC BLEND MOTOR OIL

TYPICAL PROPERTIES

SAE GRADE	5W-20	5W-30
Density, g/cm ³ @ 15.6°C (60°F)	0.852	0.854
Color, ASTM D1500	3.5	3
Flash Point (COC), °C (°F)	224 (435)	221 (430)
Pour Point, °C (°F)	-31 (-24)	-31 (-24)
Viscosity,		
cSt @ 40°C	48.8	64.0
cSt @ 100°C	8.6	10.9
SUS @ 100°F	248	325
SUS @ 210°F	55.1	63.4
Viscosity Index	164	163
Cold Cranking Viscosity, cP	3,700	5,300
@ °C	-30	-30
High Temp/High Shear Viscosity, cP @ 150°C	2.6	3.1
Sulfated Ash, ASTM D874, wt %	0.97	0.97
Total Base Number (TBN), ASTM D2896	7.8	7.8
Phosphorus, wt %	0.078	0.078

Due to continual product research and development,
the information contained herein is subject to change without notification.