

BLUE RIBBON

QUALITY LUBRICANTS SINCE 1974

SAE 5W-30

FULL SYNTHETIC MOTOR OIL

(API SN, ILSAC GF-5, fit for use in GM Dexos 1)



BLUE RIBBON Full Synthetic Motor Oil employs a combination of select premium quality synthetic stocks and superior additive technology to provide the ultimate in performance and quality. It meets or exceeds the latest automotive manufacturers' requirements including API Service SN (Resource Conserving) as well as ILSAC GF-5 and is **fit for use in gasoline engines that require GM dexos 1 global engine oil specification.***

FEATURES & BENEFITS:

Engine oils meeting the new ILSAC GF-5 specification provide improvements in fuel economy, emission system durability, turbocharger protection, and engine oil robustness. Additionally, ILSAC GF-5 qualified oils offer improved emulsion retention and stability when used in engines utilizing alcohol-containing fuels such as E85 (85% ethyl alcohol/15% gasoline) or 'oxygenated' gasoline that contains 10% alcohol. **BLUE RIBBON Full Synthetic Motor Oil** provides the extended engine lubrication protection required to meet the longer oil drain intervals recommended by many new car manufacturers. The low volatility ZDP utilized in the SN/GF-5 product provides improved catalyst protection and prolonged catalyst life in emission systems as well as extended anti-wear and oil oxidation protection. **BLUE RIBBON Full Synthetic Motor Oil** is recommended for new and older vehicles equipped with catalytic converters.

APPLICATIONS:

BLUE RIBBON Synthetic Blend Motor Oils Designed for today's higher revving, hotter running engines, and in most turbo charged gasoline engines. It is also back-servicable in applications where oils of API SM, SL or SJ quality are specified. Ford WSS-M2C946-A



- fit for use in gasoline engines that require GM dexos 1 global engine oil specification.*
- Excellent anti-wear properties/Extended wear and oxidation protection
- Compatible with conventional motor oils
- Improved emissions/catalytic converter efficiency
- Outstanding low-temperature fluidity and protection at start up
- Improved protection against viscosity and thermal breakdown at high temperatures

AVAILABILITY:

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

*The "dexos" trademark is owned by General Motors LLC. Blue Ribbon Full Synthetic Motor Oil is not manufactured, sponsored or licensed by or affiliated with General Motors LLC.

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FULL SYNTHETIC MOTOR OIL

TYPICAL PROPERTIES

SAE GRADE	Test Method	5W-30
API Service		SN/GF-5
Gravity, API	ASTM D-4052	34.2
Density, lbs/gal (g/L)	Calculated	7.128 (854)
Flash Point (COC), °C (°F)	ASTM D-92	425 (218)
Pour Point, °C (°F)	ASTM D-5949	-39 (-38.2)
Viscosity		
cSt @ 40°C	ASTM D-445	61.8
cSt @ 100°C	ASTM D-445	10.3
Viscosity Index	ASTM D-2270	150
CCS @ -30 °C, cP	ASTM D-5293	5900
MRV @ -35 °C, cP	ASTM D-4684	35,000
Color	ASTM D-1500	1.5
Sulfated Ash, Mass %	ASTM D-874	.99
Total Base Number (TBN)	ASTM D-2896	8.7

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