



Product Bulletin

BRAD PENN[®] FULL SYNTHETIC SAE 0W-20 MOTOR OIL

BRAD PENN[®] Full Synthetic SAE 0W-20 Motor Oil is formulated with 100% premium quality synthetic base stock and advanced additive technology to provide the ultimate in performance and quality in modern engines specifying a 0W-20 viscosity. It meets or exceeds the latest automotive manufacturers' requirements including API Service SN (Resource Conserving) as well as ILSAC GF-5 specification.

PERFORMANCE ADVANTAGES:

BRAD PENN[®] Full Synthetic SAE 0W-20 Motor Oil provides improvements in fuel economy, low temperature fluidity, emission system protection, alcohol fuel (E85) compatibility, thermal stability and overall engine component protection. Additionally, **BRAD PENN[®] Full Synthetic SAE 0W-20 Motor Oil** offers excellent volatility/low evaporation loss, equating to minimal oil 'top-off'. Its low temperature fluidity facilitates cold start-up lubrication to critical engine parts and provides lubrication protection required to meet many OEM (Original Equipment Manufacturer) extended oil drain interval recommendations. **BRAD PENN[®] Full Synthetic SAE 0W-20 Motor Oil** is recommended for vehicles equipped with catalytic converters.

- Superior fuel economy performance
- Excellent wear/rust and corrosion protection
- Compatible with other synthetic and conventional motor oils
- Outstanding low-temperature fluidity and protection at start up
- Improved protection against viscosity and thermal breakdown at high temperatures
- Exceeds many foreign/domestic new car warranty requirements where API SN or ILSAC GF-5 oils are recommended.

APPLICATIONS:

BRAD PENN[®] Full Synthetic SAE 0W-20 Motor Oil is designed for today's modern engines fueled by gasoline, propane, compressed natural gas (CNG) or those utilizing alcohol containing fuels such as E85 (85% ethyl alcohol/15% gasoline) requiring an SAE 0W-20 viscosity. Fit for use in the following applications:

- When ILSAC GF-5 and GF-4 oils are required
- Meets API SN (Resource Conserving) and API SM (Energy Conserving) specifications
- Emission control devices (catalytic converter) and turbochargers
- Meets Chrysler MS-6395 and GM 6094M specifications



AMERICAN REFINING GROUP, INC.

77 North Kendall Avenue • Bradford, Pennsylvania • 16701
Phone: 814.368.1200 • Fax 814.368.1219 • www.amref.com • ISO 9001:2008

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BRAD PENN[®]
Full Synthetic SAE 0W-20 Motor Oil
Typical Properties

SAE Grade		0W-20
API Service	Test Method	SN / GF-5
Gravity, API	ASTM D-4052	36.1
Density, lbs/gal (g/L)	Calculated	7.043 (844)
Viscosity, cSt @ 40°C	ASTM D-445	45.2
Viscosity, cSt @ 100°C	ASTM D-445	8.5
Viscosity Index	ASTM D-2270	168
Color	ASTM D-1500	3
Pour Point, °C (°F)	ASTM D-5949	-45 (-49)
Flash Point, °F (°C)	ASTM D-92	425 (218)
CCS @ -35 °C, cP	ASTM D-5293	5250
MRV @ -40 °C, cP	ASTM D-4684	15,100
TBN	ASTM D-2896	7.7
Sulfated Ash, Mass %	ASTM D-874	0.95
KF Moisture, ppm (max)	ASTM D-6304	600
Product Code		7206