



# Product Bulletin

## HIGH PERFORMANCE GEAR OIL

**BRAD PENN<sup>®</sup> High Performance Gear Oil** is an SAE 80W-140 multipurpose formulation that provides smooth, quiet performance with maximum protection against wear. This all-temperature gear lubricant passes the KRL tapered bearing shear stability test and provides excellent protection to drivelines that experience heavy shock loading. Its advanced formulation technology provides superior thermal stability to minimize oxidative sludge as well as varnish formations. This product provides outstanding low temperature protection to gears and bearings and protects against oxidation, corrosion, and foaming. It will also improve fuel economy when compared to an SAE 85W-140 or straight 90W gear oil.

**BRAD PENN<sup>®</sup> High Performance Gear Oil** is recommended for conventional differentials and drive-trains in passenger cars, light-duty and heavy-duty trucks, and manual transmissions requiring a GL-5 gear oil. It is recommended for MIL-PRF-2105E, Mack GO-J, API Service GL-5, MT-1, Navistar B-22, and Arvin Meritor O-76-B.

### BRAD PENN<sup>®</sup> High Performance Gear Oil – Typical Properties

SAE Grade		80W-140
API Service	<b>Test Method</b>	GL-5 / MT-1
API Gravity, 60°F	ASTM D-1298A	28.8
Density, lbs/gal (g/L)	Calculated	7.37 (883)
Viscosity, cSt @ 40°C	ASTM D-445	254.0
Viscosity, cSt @ 100°C	ASTM D-445	26.1
Viscosity, SUS @ 100°F	ASTM D-2161	1,327
Viscosity, SUS @ 210°F	ASTM D-2161	126.7
Viscosity Index	ASTM D-2270	130
Brookfield Viscosity, cP @ -26.1°C (max)	ASTM D-2983	150,000
Pour Point, °F (°C) (max)	ASTM D-5949	-20 (-27)
Flash Point, °F (°C)	ASTM D-92	400 (204)
Color	ASTM D-1500	2.0
<b>Product Code</b>		<b>7721</b>



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