



Product Bulletin

PENN GRADE 1[®] FULL SYNTHETIC HYPOID GEAR/BLOWER RACING LUBRICANT

BRAD PENN[®] PENN GRADE 1[®] Full Synthetic Hypoid Gear/Blower Racing Lubricant is a specially formulated 100% synthetic, SAE 75W-90 oil designed for use with self-contained systems where SAE 75W, SAE 80W-90 or SAE 90 grade gear oils are recommended. It is suitable for use in Roots and Lysholm Screw type superchargers and may be used in manual transmissions and hypoid differentials where high shock loading is a concern.

BRAD PENN[®] PENN GRADE 1[®] Full Synthetic Hypoid Gear/Blower Racing Lubricant may reduce overall oil temperatures by as much as 15°F over conventional gear lubes resulting in longer component life, less drag and more horsepower. This unique formulation offers excellent antifoam characteristics as measured by ASTM D-892 and meets or exceeds the following performance requirements of MIL-PRF-2105E, SAE J2360, API MT-1, API GL-5 and Mack GO-J.

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Typical Properties

SAE Grade	Test Method	75W-90
Color	ASTM D-1500	1.5
Viscosity, cSt @ 40°C	ASTM D-445	111.0
Viscosity, cSt @ 100°C	ASTM D-445	15.0
Viscosity, SUS @ 104°F	ASTM D-2161	515
Viscosity, SUS @ 212°F	ASTM D-2161	78
Brookfield Viscosity, cP -40°C (max)	ASTM D-2983	150,000
Viscosity Index	ASTM D-2270	140
Pour Point, °C (°F)	ASTM D-97	-39 (-38)
Flash Point, °C (°F)	ASTM D-93	134 (273.2)
Specific Gravity @ 15.6°C	ASTM D-287	0.860
Lbs per U.S. (IMP) Gal @ 15.6 °C	ASTM D-1298	7.16 (8.60)
Product Code		7766



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