



Product Bulletin

PENN-GRADE 1[®] HIGH PERFORMANCE ENGINE ASSEMBLY LUBRICANT

BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant is a premium high viscosity lubricant specifically designed to offer additional protection for “green” moving surfaces in engine assembly applications. Its Pennsylvania Grade base oil provides higher load carrying ability and excellent surface film protection to prevent wear in highly stressed internal components.

BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant is readily miscible with all types of mineral based and synthetic engine oils. It does not contain solids such as molybdenum or graphite which can cause ‘clumping’ and/or oil filter plugging. **BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant** is recommended as a pre-lube for valve train components including cam lobes, lifters, wrist pins, rod bearings, main bearings, etc.

BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant is the lubricant chosen by engine mechanics performing in-frame diesel rebuilds. It will not run or drip from treated parts due to its tacky/stringy nature and will protect assembled engines from rust and corrosion during assembly period and shipment. This product is not recommended for transmission assembly/rear-end associated work and should not be added/mixed with transmission fluids or gear lubricants. BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant is a great complement to the BRAD PENN[®] PENN-GRADE 1[®] High Performance product line.

BRAD PENN[®] PENN-GRADE 1[®] High Performance Engine Assembly Lubricant Typical Properties

Specifications	Test Method	Typical Properties
Gravity, API	ASTM D4052	25.9
Density, lbs/gal (g/L)	Calculated	7.5 (898)
Viscosity, cSt @ 40°C	ASTM D445	688
Viscosity, cSt @ 100°C	ASTM D445	49.5
Viscosity Index	ASTM D2270	125
Visual Appearance		Tacky/Stringy
Visual Color		Green
Pour Point, C (max)	ASTM D5949	-15
Flash Point, F (min)	ASTM D92	450
Product Code		7105



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