



Product Bulletin

HEAVY DUTY DIESEL ENGINE OIL

BRAD PENN® Heavy Duty Diesel Engine Oil is a premium multi-viscosity lubricant designed for use in over-the-road and off-road diesel equipment. It has a high total base number (9 TBN) to provide protection under the most severe operating conditions, including extended drain intervals and poor fuel quality applications. It protects against engine sludge, varnish formations, scuffing and wear, and high temperature oil thickening. It is the right choice for both naturally aspirated and turbo charged diesel engines, including marine engines, highway tractors, and agricultural, construction, mining, and earth moving equipment.

BRAD PENN® Heavy Duty Diesel Engine Oil is recommended for applications where API Service CH-4, CF/SJ, SH or SG oils are specified. Additionally, this product is ideally suited for motorcycle applications where a high quality multi-viscosity 20W-50 lubricant is called for.

BRAD PENN® Heavy Duty Diesel Engine Oil - Typical Properties

SAE Grade		20W-50
API Service	Test Method	CH-4/SJ
API Gravity, 60°F	ASTM D-1298A	28.3
Density, lbs/gal (g/L)	Calculated	7.37 (883)
Viscosity, cSt @ 40°C	ASTM D-445	165.5
Viscosity, cSt @ 100°C	ASTM D-445	19.0
Viscosity, SUS @ 100°F	ASTM D-2161	850
Viscosity, SUS @ 210°F	ASTM D-2161	95
Viscosity Index	ASTM D-2270	125.0
CCS, cP @ (-15°C) (max)	ASTM D-5293	9,500
MRV @ -20 °C < 35 Pa, cP	ASTM D-4684	20,000
Pour Point, °F (°C)	ASTM D-5949	-22 (-30)
Flash Point, COC, °F (°C)	ASTM D-92	440 (227)
Color	ASTM D-1500	6.0
TBN	ASTM D-974	9.0
Sulfated Ash, mass %	ASTM D-874	1.2
Product Code		7200



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