



Product Bulletin

COMPRESSED NATURAL GAS ENGINE OIL

BRAD PENN® Compressed Natural Gas Engine Oil is a premium multi-viscosity lubricant specifically designed for use in compressed natural gas (CNG) fueled vehicles such as transit buses, refuse trucks, airport and intercity shuttles, street sweepers and more.

BRAD PENN® Compressed Natural Gas Engine Oil is approved against the Detroit Diesel DDC 93K216 specification and is recommended for use in Detroit Diesel 50G and 60G Series natural gas fueled engines. Additionally, this product is approved by Cummins against their CES 20074 specification and is recommended for use in Cummins B, C and L-10 Series stationary and vehicular engines fueled by compressed natural gas.

BRAD PENN® Compressed Natural Gas Engine Oil meets the performance requirements of API Service Category 'CF'. It is also suitable for use in earlier model 4-stroke diesel fueled engines calling for the use of 'obsolete' API Categories CG-4, CF-4, CE or CD quality oils as well as 2-stroke Detroit Diesel engines that require API CF-2 quality oils and are no longer under warranty.

BRAD PENN® Compressed Natural Gas Engine Oil - Typical Properties

SAE Grade	Test Method	15W-40
API Service		CF
API Gravity	ASTM D-1298A	30.5
Density, lbs/gal (g/L)	Calculated	7.29 (874)
Viscosity, cSt @ 40°C	ASTM D-445	115
Viscosity, cSt @ 100°C	ASTM D-445	15.5
Viscosity, SUS @ 100°F	ASTM D-2161	592
Viscosity, SUS @ 210°F	ASTM D-2161	81
Viscosity Index	ASTM D-2270	139
CCS @ -20°C, cP	ASTM D-5293	6,700
MRV @ -25°C, cP	ASTM D-4684	30,400
Pour Point, (°C)	ASTM D-5949	-36
Flash Point, °F	ASTM D-92	425
Color	ASTM D-1500	2.0
TBN	ASTM D-974	4.9
Sulfated Ash, Mass %	ASTM D-874	0.6
Product Code		7263



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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