



GEO LA

Bel-Ray® GEO LA is a premium low-ash, detergent, and dispersant engine oil. It is specially formulated for peak performance and ultimate protection in high-output 4-stroke cycle natural gas engines operating under heavy loads and extreme conditions. Bel-Ray® GEO LA, available in SAE grades 30, 40, and 15W-40, meets and exceeds performance requirements as defined by the API classification CF and major engine manufacturer standards.

ENGINE BENEFITS

- Excellent wear protection for critical engine components
- Maximum resistance to sludge and varnish deposit formation
- Protects against valve stem deposits and valve recession
- Maintains optimum engine cleanliness
- Compatible with engine emission and catalyst systems
- Reduced maintenance and extended engine life

PRODUCT FEATURES

- Formulated exclusively with premium group II base stocks for maximum resistance to oxidation
- Excellent TBN retention delivers extended service intervals
- Advanced detergent system provides maximum valve, seat, and guide protection
- Special ashless dispersants minimize deposits

APPLICATIONS

Recommended for high-output, turbocharged, and naturally aspirated natural gas engines found in electrical power generation, gas compressors, irrigation pumps, drilling rigs, and crude oil and gas pipelines, including:

- Caterpillar G3516 & G3600 field tested performance standards
- Cooper-Bessemer 4-Stroke
- Cummins L10, QSK 19-20, 81 & 91
- Deutz MWM Group D & E
- Guascor
- Iveco
- Fairbanks –Morse 4 stroke
- Dresser Rand (I, II, & II)
- Jenbacher Type 4 and 6
- MAN
- Perkins
- Superior-All except 1700&2400
- Ulstein Bergen
- Wartsila, Waukesha and Worthington

GEO LA				
Typical Physical Properties				
Property	Test Method	30	40	15W-40
API Gravity @ 60°F	ASTM D4052	29	29	31
Density@15°C, g/cm ³	ASTM D4052	0.8811	0.8822	0.8703
Viscosity @ 40°C, cSt	ASTM D445	100	125	127
Viscosity @ 100°C, cSt	ASTM D445	11.5	13.3	15.8
Viscosity Index	ASTM D2270	101	100	132
Flash Point, °C (°F)	ASTM D92	206 (403)	208 (406)	232 (450)
Pour Point, °C (°F)	ASTM D97	-33 (-27)	-39 (-38)	-39 (-38)
TBN, mg KOH/g	ASTM D2896	5.8	5.8	5.8
Sulfated Ash, wt%	ASTM D874	0.47	0.47	0.47
Calcium, wt%	ASTM D6481	0.122	0.122	0.122
Phosphorus, wt%	ASTM D6481	0.026	0.026	0.026
Zinc, wt%	ASTM D6481	0.027	0.027	0.027
Pounds Per Gallon	ASTM D1250	7.341	7.350	7.251

Minor variations in typical physical properties may occur from normal manufacturing processes

DISTRIBUTED BY:

Calumet Branded Products, LLC
 2780 Waterfront Pkwy. E. Dr., Suite 200
 Indianapolis, IN 46214
 Technical Services: 317-328-5660
 www.belray.com

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