



PRODUCT DATA SHEET

DAVID WEBER OIL CO.

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RAILGARD 940

GIBALTAR Railgard 940 represents the latest advancement in zinc free railroad and inland marine diesel engine oil technology. This fluid is designed to meet the changing needs of today's railroad and inland marine diesel engines in light of progressive emission standards and the use of low sulfur and ultra-low sulfur fuels.

The enhanced additive system employed in GIBALTAR Railgard 940 offers reduced SAPS (sulfated ash, phosphorous and sulfur), advanced detergency and dispersancy technology and increased yellow metal anti-wear protection critical to satisfactory operation and long component life of exhaust aftertreatment devices such as particulate filters and oxidation catalysts. The exceptional Total Base Number retention and oil consumption reduction characteristics of the oil are directly linked to its superior oxidation control, viscosity retention, shear stability, acid production control and wear protection. GIBALTAR Railgard 940 offers the highest levels of oil performance and quality to ensure superior engine productivity, maximum power utilization and reduced life-cycle maintenance costs.

GIBALTAR Railgard 940 is specifically designed for use in medium- speed two- cycle and four- cycle diesel engines such as those typically employed in railroad locomotives and certain marine applications. GIBALTAR Railgard 940 has builder approvals from both General Electric (GE) and Electro-Motive Diesel (EMD). It is recommended for use in Detroit Diesel, Alco and Fairbanks Morse engines. GIBALTAR Railgard 940 meets the following specifications:

- LMOA Generation V
- General Electric Generation 4, Long Life
- Internal Listing with Electro-Motive Diesel (EMD)

GIBRALTAR®
Railgard 940 Engine Oil
Typical Properties

Railgard		940
SAE Grade		40
	Test Method	
Gravity, API	ASTM D-1298A	28.0
Density, lbs/gal(g/L)	Calculated	7.387 (885)
Viscosity, cSt @ 40°C	ASTM D-445	137
Viscosity, est @ 100°C	ASTM D-445	14.7
Viscosity Index	ASTM D-2270	106
Pour Point, °F (°C) (max)	ASTM D-5949	0 (-18)
Flash Point, °F (°C) (min)	ASTM D-92	450(232)
Color	ASTM D-1500	Opaque
TBN, (mg KOH/g)	ASTM D-2896	9.2
Sulfated Ash, mass%	ASTM D-874	1.0
Zinc, ppm (max)	Method 16	10