



DIOL™ 11 RD 40 and 20W-40

Mobil Commercial Vehicle Lube , Canada

Railroad Crankcase Oils

Product Description

DIOL™ 11 RD series oils are premium heavy-duty crankcase lubricants for locomotive diesel engines. These products were developed to meet the stringent performance requirements of Tier 4 locomotives. Older locomotive engines will also benefit from using the DIOL 11 RD series. An Electro-Motive Diesel (EMD) and General Electric (GE) endorsed additive system provides excellent engine protection, enhanced oxidation performance, improved oil consumption control, and enhanced Alkalinity / TBN retention, and oil drain interval extension capability*.

*Compared to DIOL 9 RD series

Features and Benefits

- Zinc Free - Excellent Silver Bearing Lubricity
- Enhanced Oxidation, Sludge-Soot Handling and Viscosity Control
- Excellent Deposit, Corrosion and Wear Control
- Formulated for use with low sulfur and ultra-low sulfur diesel fuels
- Chlorine Free

Applications

DIOL 11 RD oils are formulated to an LMOA Generation 7 quality level with an engine manufacturer endorsed additive package. They meet the requirements of for all EMD and General Electric diesel locomotives.

The DIOL 11 RD product line incorporates a field proven additive technology that offers enhanced oxidation performance and wear inhibitors. This addresses the deleterious effects of lower oil consumption and engine modifications in the new Tier 4 locomotive engines. The DIOL 11 RD series offers enhanced Alkalinity / TBN retention, oxidation and thermal stability, and better acid control

Specifications and Approvals

Meets or exceed the requirements of:	11 RD 40	11 RD 20W-40
GE	X	X

Typical Properties

DIOL	11 RD 40	11 RD 20W-40
Viscosity		
cSt @ 40°C	148	133
cSt @ 100°C	14.8	15.4
Viscosity index	99	120
Flash Point, °C	258	260
Pour point, °C	-33	-30
TBN, ASTM D 2896	11	11

DIOL	11 RD 40	11 RD 20W-40
Zinc, ppm	<10	<10

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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