

**DIOL™ 11 RD 20W-40**

Mobil Commercial Vehicle Lube , Australia

Railroad Crankcase Oils

Product Description

DIOL™ 11 RD 20W-40 is a premium heavy-duty crankcase lubricants for locomotive diesel engines. It was developed to meet the stringent performance requirements of Tier 4 locomotives. 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 20W-40 is formulated to an LMOA Generation 7 quality level with an engine manufacturer endorsed additive package. It meets the requirements of for all EMD and General Electric diesel locomotives.

DIOL 11 RD 20W-40 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.

Specifications and Approvals

This product has the following approvals:
EMD Worthy of Field Test (recognition letter on file)
LMOA Gen 7 - Fundamental Approval (letter on file)

Properties and Specifications

Property	
Grade	SAE 20W-40
Pour Point, °C, ASTM D97	-30
Total Base Number, mgKOH/g, ASTM D2896	11

Property	
Viscosity Index, ASTM D2270	114
Flash Point, °C, ASTM D92	250
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.4
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	138.14
Zinc, mg/kg, ASTM D5185	<0.0001

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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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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