



AAR 963 Oil

76 Lubricants AAR 963 Oil is a high-quality lubricant specially developed for year-round lubrication of plain journal bearings in railcar journal boxes. It meets the requirements of the American Association of Railroads (AAR) Specification M-963-84 for All-Year Journal Box Lubricating Oil.

AAR 963 Oil is available in one viscosity grade: ISO 46. It is formulated with high-quality paraffinic base oils and select additives to have a high viscosity index and low pour point for excellent year-round performance. It has good lubricity and antiwear properties to protect heavily loaded railcar journal bearings, provides protection against rust and corrosion, and has good foam resistance.

Applications

- Plain journal bearings in railcar journal boxes
- Traction motor suspension bearings on locomotives

AAR 963 Oil meets or exceeds the requirements of:

- AAR Specification M-963-84

Features/Benefits

- Formulated for year-round use
- Good wear protection
- Protects against rust and corrosion
- Good foam resistance

**Railroad Journal
Bearing Lubricant**

**Customer Service
Number:
1-888-766-7676**

**Technical Hot Line:
1-800-435-7761**

**E-mail Address:
76lubricants@
conocophillips.com**

www.76Lubricants.com

600 N. Dairy Ashford • 2W9000 • Houston, TX 77079



AAR 963 Oil
Typical Properties

ISO Grade	46
Density, g/cm ³ @ 15.6°C (60°F)	0.881
Density, lbs/gal @ 15.6°C (60°F)	7.34
Color, ASTM D1500	0.5
Flash Point (COC), °C (°F)	235 (455)
Pour Point, °C (°F)	-37 (-35)
Viscosity,	
cSt @ 40°C	50.0
cSt @ 100°C	8.4
SUS @ 100°F	255
SUS @ 210°F	54.4
Viscosity Index	148
Foam Test, ASTM D892	Pass
Humidity Cabinet Test, ASTM D1748	Pass
Moisture, ASTM D95, wt %	<0.1
Pentane Insolubles, ASTM D893 B, wt %	<0.1
Rust Test, ASTM D665 A&B	Pass

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

Copyright © 2007 ConocoPhillips Company. The ConocoPhillips logo, 76 and the 76 logo are trademarks of ConocoPhillips Company in the U.S.A. and other countries.