

RAILROAD JOURNAL OIL



LUBRICATION



Zinc-free railroad journal box oil

APPLICATIONS

Railroad industry
journal oil

- **RAILROAD JOURNAL OIL** is zinc-free paraffinic base oil specially designed for all-season lubrication of locomotive and railroad car journals.
- This oil is designed to cover a wide range of temperatures in outdoor service. It conforms to the American Association of Railroads specification M-963-84. This oil has excellent rust and corrosion protection under adverse conditions such as high humidity or salt fog conditions. This is especially important when cars are sitting idle for long periods of time. This oil flows freely at very low temperatures and yet provides effective lubrication in high temperature service.

ADVANTAGES

- High viscosity index
- Excellent thermal and chemical stability
- Zinc free formula is compatible with zinc-free RR engine oil.
- Excellent corrosion resistance
- Conforms to American Association of Railroads specification M-963-84 entitled "All-Year Journal Box Lubricating Oil".

TYPICAL CHARACTERISTICS—RAILROAD JOURNAL OIL

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ISO GRADE	68
Viscosity at 40°C, cSt (ASTM D 445)	63
Viscosity at 100°C, cSt (ASTM D 445)	8.4
Viscosity Index (ASTM D 2272)	100
Color (ASTM D 1500)	L2.0
Density @ 60 °F, lbs. /gal. (ASTM D 1298)	7.34
Specific Gravity @ 60/60°F (ASTM D 1298)	0.882
Flash Point, COC, °F (°C) (ASTM D 92)	370 (188)
Pour Point, °F (°C) (ASTM D 97)	-38 (-39)
Humidity Cabinet rust test	pass

TOTAL Lubricants USA Southwest

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