

# Product Data Sheet



## ***RAILARMOR® M ALL-SEASON*** ***SYNTHETIC BLEND RAIL CURVE GREASE***

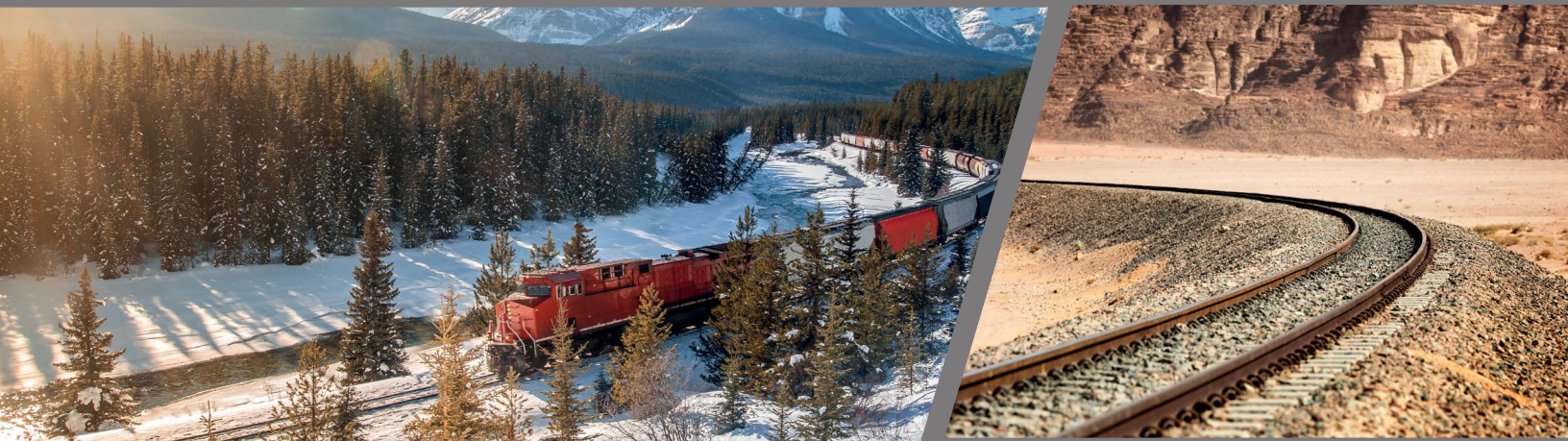
RailArmor M All-Season is specially designed to lubricate rail curves, protecting rail and wheels from wear. Is suited for year round use in all weather conditions; pumpable down to -15°F (-26°C) and up to 110°F (43°C). This high-performance rail curve grease raises the bar in all critical performance areas, such as rail adhesion, rain resistance, wear protection and carry-down from the wiping bar. It does not spatter when hit by the wheel or form strings that contaminate the area around the wayside.

In the wayside reservoir RailArmor M All-Season slumps evenly, does not cause pump cavitation, also it moves cleanly down the walls with minimal vortex effect, despite its adhesiveness and robust consistency.





## SYNTHETIC BLEND RAIL CURVE GREASE



### APPLICATIONS:

- Designed to lubricate rail curves on transit and freight tracks, protecting rail and wheels from wear.
- Suitable for heavily loaded trains.

### BENEFITS:

- **ALL-WEATHER** - Suitable for year round use, reducing maintenance costs.
- **PUMPABLE** - Excels in low temps down to -15°F (-26°C) and high temps up to 110°F (43°C).
- **VIRTUALLY NO OIL SEPARATION**
- **RESISTS WATER** - excellent rail adhesion and water resistance.
- **CARRY-DOWN** - carries 3 to 4 miles down the rail in moderate curvature.
- **COMPATIBLE** - can be added to wayside tanks that currently contain either lithium or calcium-based greases.
- **WEAR PROTECTION** - high content of solid lubricants and oil-soluble anti-wear additives ensures low friction and wear.

### TYPICAL CHARACTERISTICS

ASTM#	Grade	RailArmor® M All-Season
D-217	Cone Penetration (Worked)	300-315
D-445	Kinematic Viscosity (Base Oil with Polymer)	
	cSt @ 40°C	350
	cSt @ 100°C	34
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	8.10
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.9724
D-2596	Four Ball EP, Weld Point, kg	800
D-2266	Four Ball Wear, Wear Scar, mm	0.55
	Usable Temperature Range, Wayside Applicator °F (°C)	-15° (-26°) to 110° (43°)
	Thickener Type	Lithium

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

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