

## RAILMASTER® WHEEL/RAIL LUBRICANT

Whitmore® Railmaster® wheel/rail lubricant is specifically designed to effectively decrease friction on wheel/rail contact interfaces and reduce energy and wear related costs. All grades have been formulated for ease of operation in all types of application systems.

### BENEFITS:

- REDUCES FRICTION AND WEAR - extends wheel/rail life and reduces energy cost.
- WATER RESISTANT - allows longer service life, resists washing off the rail and adheres to wet rails, which means less frequent reapplication and enhances ability to maintain application schedules in adverse conditions.
- ADHESIVE AND COHESIVE - resists pound-out and squeeze-out while enhancing track carry-down and minimizing migration to top of rail.
- EASY TO APPLY - compatible with automated railroad lubrication systems.

### APPLICATIONS:

Railmaster can be used in either hi-rail or wayside lubrication systems. It is available in pails, kegs, drums, and totes.

ASTM #		TYPICAL CHARACTERISTICS	
	<b>NLGI Grade</b>	1W: Winter	2
<b>D-217</b>	<b>Cone Penetration (Worked)</b>	325-355	265-295
<b>D-2265</b>	<b>Dropping Point, °F (°C)</b>	470 (243)	>500 (>260)
<b>D-445</b>	<b>Kinematic Viscosity (Base Oil with Polymer)</b>		
	cSt @ 40°C	84	179
	cSt @ 100°C	8.5	12.9
<b>Gardner Method</b>	<b>Density, lb/gl @ 60°F (15.5°C)</b>	7.60	7.89
	<b>Specific Gravity, g/cc @ 60°F (15.5°C)</b>	0.912	0.947
<b>D-2596</b>	<b>Four Ball EP, Weld Point, kg</b>	315	315
<b>D-4049 (Modified)</b>	<b>Water Spray-Off, % Loss</b>	15	9.5
	12 psi @ 77°F (25°C) @ 30 min.		
<b>D-1743</b>	<b>Rust Test</b>	Pass	Pass
<b>D-4048 (Modified)</b>	<b>Copper Strip Corrosion for Greases</b>	1B	1B
	212°F (100°C) @ 3 hrs		
	<b>Thickener Type</b>	Aluminum Complex	Aluminum Complex
	<b>Ambient Usable Temperature Range, Wayside</b>		
	°F	-30 to 50	32 to 130
	°C	-34 to 10	0 to 54
	<b>Solid Lubricants</b>	Yes	Yes

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

### PACKAGING

Drums w/Liners	Kegs w/Liners	Pails w/Liners
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For warranty information, scan the QR code.

[whitmores.com](http://whitmores.com)

Made in the USA in an ISO 9001:2015 and ISO 14001:2015 Facility

