



TECHNICAL DATA SHEET

RAILMASTER® LFG

HIGH PERFORMANCE RAIL GREASE WITH GRAPHITE

Railmaster® LFG gives maximum protection to rails and wheel flanges.

The coating that is deposited on the rail is tenacious, dense, and unaffected by rain. Several miles from the wayside applicator a substantial coating is clearly visible on the gage face and radius. Grease is often detectable on the gage face as far down as 8 miles (12 Km).

There are several grades of Railmaster® LFG. Each grade can be used over a wide temperature range. In many areas a single grade can be used year-round.

Railmaster® LFG does not cause pump cavitation. Rather than forming a vortex at the pump it moves down evenly in the holding tank.

Railmaster® LFG forms a vertical bead as it emerges from the port of the wiping bar. The grease doesn't spatter when hit by the wheel.

The coating of Railmaster® LFG on the gage face is dark and easily seen, making track inspection easy.

BENEFITS:

- **LOW TEMPERATURES** – excellent low temperature pumpability.
- **WEAR PROTECTION** – extreme pressure and antiwear additive package extends rail and wheel life.
- **COHESIVE** – stands at the wiping bar and doesn't spatter.
- **LONG CARRY DOWN** – for protection that carries up to 8 miles.
- **WATER-RESISTANT** – protection during wet weather.
- **SOLID LUBRICANTS** – contains a high proportion of solid lubricants.

APPLICATIONS:

Railmaster® LFG can be used in Hi-Rail and Wayside lubricators.

Railmaster® LFG is available through a labor saving, custom tailored bulk lubricant system which we call Maintainer™.

ASTM #		TYPICAL CHARACTERISTICS			
	Grade	0	1	1.5	2
D-217	Cone Penetration (Worked)	355-385	310-340	290-320	265-295
D-2265	Dropping Point, °F (°C)	350 (177)	380 (194)	380 (194)	380 (194)
D-445	Kinematic Viscosity (Base Oil with Polymer)				
	cSt @ 40°C	209.5	249.0	249.0	249.0
	cSt @ 100°C	16.71	15.13	15.13	15.13
D-2161	Saybolt Viscosity (Base Oil with Polymer)				
	SUS @ 100°F	1,115	1,350	1,350	1,350
	SUS @ 210°F	87	80.6	80.6	80.6
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.73	7.68	7.68	7.70
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.928	0.922	0.922	0.924
D-2509	Timken OK Load, lb	30	30	30	30
D-2596	Four Ball EP, Weld Point, kg	315	400	400	400
D-2266	Four Ball Wear, Scar Width, mm	0.45	0.45	0.45	0.45
D-4049 Modified	Water Spray-Off, % Loss (Rainstorm) 12 psi @ 77°F (25°C) @ 30 min.	NR	<10	8	<5
D-1743	Rust Test	Pass	Pass	Pass	Pass
D-4048 Modified	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	1B	1B	1B	1B
	Ambient Usable Temperature Range, Wayside °F (°C)	-3 (-19) to 50 (10)	10 (-12) to 90 (32)	35 (2) to 110 (43)	50 (10) to 130 (54)
	Thickener Type	Lithium	Lithium	Lithium	Lithium

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

PACKAGING

Shuttle Tanks	Drums	Kegs	Pails
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THE WHITMORE MANUFACTURING COMPANY

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