



TECHNICAL DATA SHEET

BioRail® 00 HIGH PERFORMANCE RAIL LUBRICANT

BioRail® 00 is first and foremost a high performance rail curve grease. It is also biodegradable.

BioRail® 00 has been extensively tested a European rail company for spraying patterns, wear protection and biodegradability. It received high marks in all categories and has been in service in Europe for many years. Field experience has shown that the level of wear protection is equal to, or better than Whitmore's non-biodegradable rail curve greases.

Even in cold conditions BioRail® 00 empties evenly from the holding tank, without slumping down to form a "V". This minimizes pump cavitation. Unlike some vegetable based products, BioRail® will not gel over time. It remains pumpable and does not plug ports.

BENEFITS:

- BioResponsible™ - BioRail® 00 passes the Modified MITI (OECD 301C) test for ready biodegradability.
- WATER-RESISTANT - resists washing off the rail during heavy rainstorms.
- NOISE REDUCTION - especially valuable in urban areas to lower noise pollution.
- WIDE TEMPERATURE RANGE – in most climates the need for seasonal product grade changes is eliminated.

APPLICATIONS:

BioRail® 00 is suitable for use in vehicle-borne (Hi-Rail) lubrication systems and also onboard systems. It has been approved by REBS and Bijur-Delimon.

ASTM #		TYPICAL CHARACTERISTICS
D-2265	Grade	NLGI 00
D-445	Dropping Point, °F (°C)	375 (190)
	Base Oil Viscosity	
	cSt @ 40°C	32
	cSt @ 100°C	7.5
Gardener Method	Density,	
	lb/gal @ 60°F (15.5°C)	8.21
	Specific Gravity	
	g/cc @ 60°F (15.5°C)	0.986
D-2596	Four Ball EP, Weld Point, kg	315
D-2266	Four Ball Wear, Wear Scar, mm	0.60
	Coefficient of Friction	0.065
	Thickener Type	Lithium
OECD 301C	Modified MITI (Ready Biodegradability)	Pass

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

PACKAGING

Nonreturnable Totes	Drums	Kegs	Pails with liner bags
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THE WHITMORE MANUFACTURING COMPANY

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