

RAIL CURVE WAYSIDE LUBRICANT (0 to 100 Degrees) BIOBASED RAILROAD LUBRICANTS



DESCRIPTION	ECORail™ RAIL CURVE WAYSIDE LUBRICANT (0 to 100 Degrees) is a premium quality biodegradable, non-toxic, and water-resistant railroad-use lubricant, formulated from USA-grown natural vegetable oils, a lithium-based thickener, and proprietary additives, to operate in railroad wayside lubricators or with manual application, while not impacting the environment.	
BIOBASED	Biobased, biodegradable, not-bioaccumulative, non-aquatic toxic, and not toxic to plants: Based on evaluation of the base oils and the finished products, the ECORail™ biobased products are designed to be biodegradable, aquatically non-toxic, not- bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all ECORail™ products are subject to the local ordinances and ultimate responsibility for impact remains with the users.	
APPLICATIONS	<ul style="list-style-type: none"> ■ Designed for wayside applicators with wide temperature requirements ■ Ideal for prolonged cold temperatures or hi-rail application ■ Pumps and carries when using wayside application equipment and grease temperature is between 0°F and 100°F ■ Also available in the “FC” version for temperatures between 35°F and 160°F ■ Recommended for heavy load applications such as coal trains ■ Recommended for environmentally sensitive areas near waterways 	
BENEFITS	<ul style="list-style-type: none"> ■ Contains advanced extreme pressure additives for unsurpassed protection from wear ■ Reduces friction and wear between track and wheel flange. ■ Formulated to resist port plugging in wiping bars ■ Longer carry down and increased retention ■ Better gauge face coefficient of friction than most petroleum-based grease ■ Less migration to top of rail than major petroleum-based grease ■ Improves fuel efficiency and superior lubricity ■ Higher flash point than petroleum greases for increased safety ■ Biodegradable formula reduces damage to the environment ■ Meets EPA’s Environmental Preferable Purchasing (EPP) criteria ■ Meets USDA’s proposed Biobased product definition for EO 13101 ■ Manufactured from renewable USA-grown crop-based oils 	
PERFORMANCE LEVELS	<ul style="list-style-type: none"> ■ Recommended for all Portec®, Lincoln®, and other brand wayside lubricators. 	
TYPICAL PROPERTIES	Appearance	Dark Gray to Black
	Cone Penetration, Unworked	320-340
	Four Ball Wear Scar (mm)	0.58
	Four Ball Weld Load (kg)	500
	Dropping Point °C (°F)	145-175 C (293-347 F)
	Base Oil Viscosity at 40°C (cSt)	86
	Base Oil Viscosity at 100°C (cSt)	16
	Base Oil Viscosity Index	201
	Base Oil Flash Point, °C (°F)	326 (619)
	Base Oil Biodegradability	Pass
	Base Oil Aquatic Toxicity	Non-toxic
PACKAGING	35 Lb. Plastic Pails – Item# 12070 400 Lb. (55 Gallon) Drums – Item# 12071 Totes and Bulk – Item# 12072	

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