

TECH DATA

PRECISION™ XL

RAIL CURVE GREASE

INTRODUCTION

Petro-Canada Lubricants PRECISION XL Rail Curve Grease is an all season grease designed to reduce operating costs by eliminating seasonal change-outs and decreasing wear on rail curves and wheel flanges of rolling stock over a wide temperature range.

PRECISION XL Rail Curve Grease is a water-resistant lithium thickened grease with graphite suitable for all season use in mechanical applicators of trackside lubrication systems as well as on-board lubrication systems such as the Clicomatic system. PRECISION XL Rail Curve Grease offers advantages over leading competitive greases by offering improved wear protection, excellent adhesion and the benefit of being able to perform over a wide temperature range. PRECISION XL Rail Curve Grease lowers maintenance costs by reducing wear and protecting equipment over a wide range of operating conditions.

APPLICATIONS

PRECISION XL Rail Curve Grease is formulated to provide wear protection on rail gauge faces and wheel flanges of rolling stock with the following systems:

- Track-side mechanical lubricators
- On-board lubrication systems, such as the Clicomatic system
- Switches, switch plates (hand applied/brushed), fish plates and joint bars
- Other railway applications where greases that contain graphite are recommended

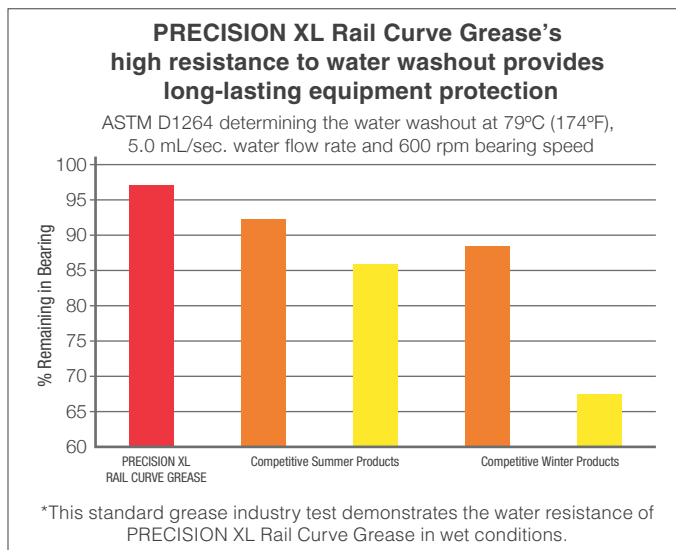
FEATURES AND BENEFITS

Year round protection to reduce change-out and inventory cost

- The excellent pumpability and dispensability of the product at very low temperatures (-40°C and lower) allows the product to be easily applied in virtually all prevailing temperatures encountered during summer and winter months

Superior water resistance to provide long-lasting equipment protection

- PRECISION XL Rail Curve Grease's adhesive property ensures the presence of a lubricating film even in wet conditions, allowing longer product re-application cycles



Unique anti-wear formulation reduces maintenance costs

- Reduced rail and wheel flange surface wear
- Reduced maintenance costs and prolonged service life

Excellent adherence to the lubricated surfaces

- Enhances the product spread down the track
- Lessens the migration of the product to the top of the rail from the gauge surface

Environmentally safe

- Heavy metals free
- Compatible with any potential environmental requirement

OPERATIONAL CONSIDERATIONS

PRECISION XL Rail Curve Grease provides extended wear protection under normal operating conditions. Actual grease life is dependent upon system design and operating practices. No Nonsense Lubricants Warranty applies.

TYPICAL PERFORMANCE DATA

Property	ASTM Test Method	PRECISION XL RAIL CURVE GREASE
NLGI		1
Colour	PCM 264	Grey-Black
Appearance	PCM 264	Smooth
Dropping Point, °C / °F	D2265	186 / 367
Worked Penetration @ 25°C / 77°F	D217	327
Water Washout % @ 79°C / 174°F	D1264	2.8
Mobility, g/s @ -45°C / -49°F g/s @ -50°C / -58°F	PCM 533	0.04 0.01
Oxidation Stability, Drop after 100h, KPa (psi)	D0942	7 (1)
Base Oil Viscosity, cSt @ 40°C / 104°F cSt @ 100°C / 212°F	D445	24.3 5.0
Four Ball Weld Point, kg	D2596	400
Four Ball Wear Scar Diameter, mm	D2266	0.54
Bearing Corrosion	D4048	Pass
Copper Corrosion	D4048	1b
Operating Temperature Range °C		-45 to 120
Operating Temperature Range °F		-49 to 248

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: lubricants.petro-canada.com
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Committed to the disciplined operation of our business.



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