

PRECISION XL RAIL CURVE GREASE

Introduction

Petro-Canada 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, graphite grease 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

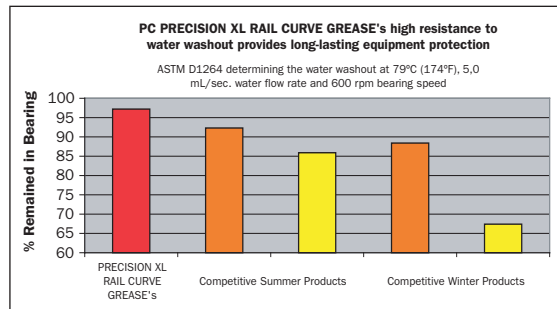
Petro-Canada PRECISION XL RAIL CURVE GREASE is formulated to provide wear protection on rail gauge faces and wheel flanges of rolling stock with following systems:

- 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 graphite greases 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



*This standard grease industry test demonstrates the water resistance of PRECISION XL RAIL CURVE GREASE in wet conditions.

- **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.

What is the HT difference?

Petro-Canada Lubricants starts with the HT purity process to produce water-white, 99.9% pure base oils. The result is a range of lubricants, specialty fluids and greases that deliver maximum performance for our customers.



Typical Performance Data

PROPERTY	ASTM TEST METHOD	PRECISION XL RAIL CURVE GREASE
NLGI Grade		1
Colour	PCM 264	Grey-Black
Appearance	PCM 264	Smooth
Dropping Point, °C/°F	D2265	185/365
Worked Penetration @ 25°C/77°F	D217	328
Water Washout % @ 79°C/174°F	D1264	2.8
Mobility, g/s @ -45°C/-49°F	PCM 533	0.03
g/s @ -50°C/-58°F	PCM 533	0.01
Oxidation Stability, Drop after 100h, KPa (psi)	D0942	7 (1)
Base Oil Viscosity, cSt @ 40°C/104°F	D0445	20.6
cSt @ 100°C/212°F	D0445	4.1
Timken OK Load, Kg/lb	D2509	18/40
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.

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



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