RENOLIT CXS RAIL AS

All Season Curve and Flange Rail Lubrication Grease

Description

RENOLIT CXS RAIL AS is a premium, all-season, calcium sulfonate complex thickened grease. This grease is formulated to work in all seasons, including extremely low temperatures down to -30°C and at warm temperatures, up to 45°C. The grease formula is distinguished with optimized an extreme pressure / anti-wear lubricant system and corrosion / oxidation additive package to provide maximum protection and performance in applications subjected to shock loads in Class 1 railroad systems. Excellent protection in aggressive corrosive and wet environments.

Applications

Ideal for optimized rail curve and flange lubrication with maximum wear protection at slopes and curves with heavy loaded freight trains. Optimized for maximum carry down on the rails, pumps easily in all weather conditions, and slumps smoothly in the side track lubricator. Designed to withstand harsh weather conditions at very low and warm temperatures (all season), including wet environments, without washing off the rail surface. Optimized friction modifiers and anti-wear additives allow for reduction of wear and prolonged rail life.

Advantages

- Low Temperature Performance
- Excellent Load Carrying Capacity
- Lowers Friction and Protects Against Wear
- Excellent Carry Down, All Season
- Excellent slumping-ability in the Lubricator
- Excellent Water Resistance
- Very Shear Stable
- Excellent Corrosion Protection

FUCHS LUBRICANTS CO.
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All Season Curve and Flange Rail Lubrication Grease

PROPERTY	VALUE	UNITS	METHOD
Product Name	RENOLIT CXS RAIL AS		
NLGI Grade	1		
Thickener	Calcium Sulfonate Complex		
Color	Black		
Penetration, Unworked 0X	330	0.1 mm	ASTM D 217
Penetration, Worked 60X	325	0.1 mm	ASTM D 217
Penetration, Worked 10,000X	335	0.1 mm	ASTM D 217
Dropping Point	240	°C	ASTM D 2265
4-Ball Wear	0.47	mm	ASTM D 2266
4-Ball EP Weld Load	500	Kgf	ASTM D 2596
4-Ball EP Load Wear Index	85	Kgf	ASTM D 2596
Low Temperature Torque Ball Bearing Test @ - 40°C	Start 0.292 Running 0.072	Nm Nm	ASTM D1478
Water Washout	4.5	%	ASTM D 1264
USS Mobility@ -17.8°C USS Mobility @ -30°C	20.68 8.91	grams/minute grams/minute	USS USS
Bearing Corrosion Test DI water	Pass	Pass/Fail	ASTM D 1743
Base Oil Characteristics			
Viscosity @ 100°C	6.68	cSt	ASTM D 445
Viscosity @ 40°C	46.3	cSt	ASTM D 445
Viscosity Index	95	-	ASTM D 2270

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We therefore recommend you consult a Fuchs Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our Product Information sheets at any time and without warning. With the publication of this Product Information sheet, all previous editions cease to be valid.

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