

# RAIL

High performance, eco friendly  
curved rail lubricant  
*Innovating for tomorrow*



## TECHNICAL DATA SHEET

Product code: D0150  
Quality Standards:  
ISO 9001:2015  
ISO 14001: 2015  
Issue Date—Dec 2024

## ClareTech EcoCurve Trackside 1

High performance environmentally sensitive curved rail grease for trackside lubricators.

NLGI 1

### Applications

Suitable for use in all makes of trackside lubricators wherever there is a requirement for a high performance, environmentally sensitive, or Ecolabel lubricant.

Can be used to lubricate and protect curved rails over long distances, and for the lubrication of check rails and switchblades.

### Features and Benefits

- High performance lubricant to minimise rail wear
- Highly adhesive, giving excellent carry down
- Oxidation stable - does not dry or stiffen to block lubricators and GDU ports
- Stable across a wide temperature range - one grease for all seasons
- Water resistant, giving lasting rail protection even in heavy rain
- Excellent corrosion protection to reduce corrosion defects
- Biodegradable and suitable for use near rivers and watercourses
- RS Clare's EcoCurve range incorporates breakthrough nanotechnology at the molecular level to increase stability, consistency and performance whilst minimising the needs for harmful chemical additives.
- Product expected to be ecolabel certified early in the new year.

### Typical Characteristics

Appearance	Visual	Smooth
Colour*	Visual	Beige/Yellow
Thickener Type		Complex
Temperature Range		-40°C to 120°C
Worked Penetration	IP 50	310 - 340
Drop Point	IP 396	>155°C
Oil Separation (40°C, 168hrs)	IP 121	<7%
4-Ball Wear Scar	IP 239	0.5mm
4-Ball Weld Load	IP 239	315kg
Emcor Corrosion (distilled water)	IP 220	0,0
Copper Corrosion (100°C, 24hrs)	IP 112	1a
Biodegradable	OECD 301B	PASS

### Base Oil Characteristics

Type		Synthetic Ester
Kinematic Viscosity (40°C)	ASTM D445	45cSt
Flash Point	IP 34	>220°C
Pour Point	IP 15	<-30°C
USA Environmentally Acceptable Lubricant		Yes

\* Note: The product will exhibit a slight change of colour after exposure to air. This is a normal and expected feature of the unique chemistry employed in this grease. This feature has been assessed as having no effect on the product performance.



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