

# RAIL

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



## TECHNICAL DATA SHEET

Quality Standards:  
ISO 9001:2015  
ISO 14001: 2015  
Issue Date—July 2018  
Revision—01

## CLARETECH ECOCURVE HEAVY HAUL

Environmentally friendly All Season curved rail protection on Heavy Haul and Class 1 railways.  
NLGI 1.5

### Applications

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

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

### Features and Benefits

- Biodegradable and suitable for use near rivers and watercourses
- Extreme load performance to minimise rail wear
- Highly adhesive, giving excellent carry down
- Oxidation stable - does not dry or stiffen to block lubricator GDU ports
- Stable across a wide temperature range - one grease for all seasons
- Suitable for high traffic networks and heavy axle loads
- Water resistant, giving lasting protection to reduce corrosion defects
- 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.

### Typical Characteristics

Appearance	Visual	Smooth
Colour	Visual	Black/Grey
Thickener Type		Complex
Temperature Range		-40°C to 120°C
Worked Penetration	IP 50	290 - 310
Drop Point	IP 396	170°C
Oil Separation (40°C, 168hrs)	IP 121	<5%
4-Ball Wear Scar	IP 239	0.5mm
4-Ball Weld Load	IP 239	620kg
Emcor Corrosion (distilled water)	IP 220	0,0
Copper Corrosion (100°C, 24hrs)	IP 122	1a
Water Wash Out	ASTM D1264	4%
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		Yes

CZ / 027 / 003



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