

RAIL

High performance, eco friendly
curved rail lubricant
Innovating for tomorrow



TECHNICAL DATA SHEET

Product code: D0928
Quality Standards:
ISO 9001:2015
ISO 14001: 2015
Issue Date—December 2024
Revision—03

ClareTech EcoCurve Trackside

High performance environmentally sensitive curved rail grease for trackside lubricators. Meets Network Rail Specification NR/L3/3530/A01.

NLGI 1.5

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.

Typical Characteristics

| | | |
|-----------------------------------|------------|----------------|
| Appearance | Visual | Smooth |
| Colour* | Visual | Beige/Yellow |
| 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 | 400kg |
| Emcor Corrosion (distilled water) | IP 220 | 0,0 |
| Copper Corrosion (100°C, 24hrs) | IP 112 | 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 Lubricant | | Yes |

CZ / 027 / 003



* 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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 **RS Clare & Co Ltd**
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