

RAIL

High performance, eco friendly
curved rail lubricant
Innovating for tomorrow



TECHNICAL DATA SHEET

Product code: D0117
Quality Standards:
ISO 9001:2015
ISO 14001: 2015
Issue Date—Feb 2020
Revision—02

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 and environmentally friendly 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
- Non-toxic and non-bioaccumulative.
- Extreme load performance to minimise rail wear
- Highly adhesive, while 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 axel loads
- 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 need for

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% |
| Biodegradability | OECD 301B | PASS - Readily Biodegradable |

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 |



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