

# RAIL

High performance, curved rail  
lubricant

*Innovating for tomorrow*



## TECHNICAL DATA SHEET

Quality Standards:  
ISO 9001:2015  
ISO 14001: 2015  
Issue Date - February 2020  
Revision - 01

## CLARETECH RAIL KING HL

High performance multi-season curved rail grease for trackside lubricators.  
NLGI 1.5

### Applications

Rail King HL is for use in trackside lubricators wherever there is a need for a high performance and consistent delivery over a wide temperature range. Suitable for high traffic networks and heavy axle loads.

### Features and Benefits

- Contains molybdenum disulfide (MoS<sub>2</sub>) for improved wear reduction and extreme pressure resistance.
- Clean to use - reduced fling-off in surrounding areas.
- Enhanced anti-wear performance and high load protection to minimise rail wear.
- Oxidation stable - does not dry or stiffen to block lubricator ports.
- Water resistant, giving lasting protection to reduce corrosion defects.
- Highly adhesive, giving excellent carry down.
- Suitable for a wide range of trackside lubricators and grease delivery systems.
- Will not migrate to top of rail.
- Continuous performance across multi-seasons
- Inherently biodegradable

### Typical Characteristics

Appearance	Visual	Smooth
Colour	Visual	Black/Grey
Thickener Type		Complex
Temperature Range		-30°C - 120°C (-22°F - 248°F)
Worked Penetration	IP 50	290 - 320
Drop Point	IP 396	160°C / 320°F
Oil Separation (40°C, 168hrs)	IP 121	<5%
4-Ball Wear Scar	IP 239	0.6mm
4-Ball Weld Load	IP 239	620kg
Emcor Corrosion (distilled water)	IP 220	0,0
Copper Corrosion (100°C, 24hrs)	IP 122	1a
Biodegradability	OECD 301B	Inherently

### Base Oil Characteristics

Type		Mineral
Kinematic Viscosity (40°C)	ASTM D445	100cSt
Flash Point	IP 34	>220°C / 428°F



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