



RAIL

High performance, eco friendly
curved rail lubrication

Innovating for tomorrow



RS Clare & Co Ltd

Innovation since 1748



FOR OVER 25 YEARS, RS CLARE HAS LED THE WAY IN THE MANUFACTURE OF CURVED RAIL GREASE.

As the UK's leading supplier, we're the partner of choice for Network Rail, London Underground and most of the country's light rail networks. Now expanding into markets around the world, RS Clare is fast becoming the name most associated with advanced and effective curved rail protection.

Since the application of curved rail grease is a total loss system, it makes using an eco-friendly product not just preferable, but an absolute necessity if we're to protect our environment into the future.

RS Clare's EcoCurve grease range meets the exacting demands of some of the world's most stringent eco-certifications. In the United States, this means complying with the Environmentally Acceptable Lubricants Scheme, part of the Environmental Protection Agency's legislation. In Europe, we're the

proud bearers of the EU Ecolabel badge. Each recognises in different ways the biodegradable and non-bio accumulative elements in our lubricants which reduce impact on the aquatic environment and soil during use. With 75-90% renewable content, the EcoCurve range goes a long way towards reducing carbon footprint whilst boosting sustainability.

ONE GRADE FOR ALL SEASONS

The key to outstanding grease performance is engineering it to the specific challenges that it will encounter in its application. Temperature range, humidity, environmental protection, load carrying requirement and maintenance intervals are all considered critical factors by our R&D team. EcoCurve greases have been developed with a unique and highly advanced lubricant technology to solve problems with wear, extend track life and reduce maintenance costs.



ECOCURVE RAIL PROTECTION THAT DOESN'T COST THE EARTH

UNRIVALLED ENVIRONMENTAL CREDENTIALS,
AND ALL THE PERFORMANCE YOU NEED AT
THE WHEEL-RAIL INTERFACE

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THE ECOCURVE RANGE:

- Uses specially formulated grease thickeners to increase stability in all temperatures, meaning it's now not necessary to change grease between seasons
- Has excellent carry down properties
- Is highly adhesive providing lasting protection against wear and corrosion
- Contains enhanced anti-wear and anti-corrosion packages, extending track life
- Reduces noise considerably.

Claretech EcoCurve Trackside	For use in trackside lubricators, wherever there is a requirement for high performance and environmentally sensitive products.
Claretech EcoCurve Heavy Haul	For use in trackside lubricators, a high load Ecolabel grease. Designed for Class1, heavy haul, and high load rail applications.
Claretech EcoCurve High Mobility	Specially formulated for Centralised Lubrication Systems, proven to pump through long small bore pipe runs and present firm grease beads at the distribution bars, with all the environmental properties of the EcoCurve range.
Claretech EcoCurve Onboard 00 or 000	For use in train mounted wheel flange lubricators, delivering high performance as well as excellent environmental and performance properties with consistent spray output across a wide temperature range. Particularly suited to noise sensitive urban sites.

THE WHOLE PACKAGE

INNOVATIVE AND COST-EFFECTIVE LUBRICANTS AND SUPPORTING PRODUCTS

Each and every one of our products is designed to reduce maintenance time, decrease downtime and prolong rail life, delivering long-term savings for all our customers.

RS Clare has a proven range of technically advanced products for both surface and underground applications to reduce the risk of fire and toxic fumes.

Our range includes biodegradable and standard curve rail grease and switch plate lubricants, P-way fish plate maintenance lubricants, wear protection kits, bio-degreasers and specialist applicators and packages.

IN ADDITION TO THE ECOCURVE RANGE, WE ALSO OFFER THE FOLLOWING MARKET LEADING CURVED RAIL GREASES:

Claretech Supreme	Non toxic, readily biodegradable curved rail grease for trackside lubricators, with excellent EP and Anti-Wear properties.
Metro Bio-Grease	Readily biodegradable, fire resistant, low toxicity curved rail grease, for use in Underground and Metro networks and tunnels.
Claretech Rail King	Enhanced performance mineral oil based curved rail grease for trackside lubricators.

COST-EFFECTIVE RAIL LUBRICATION

AVERAGE RAIL LIFE



WITH LUBRICATION
>23 YEARS

WITHOUT LUBRICATION
7 YEARS

RAIL MANAGEMENT



PREMIUM RAIL RENEWAL
£100 to £130 per metre



RAIL GRINDING
£0.60 to £2.90 per metre

COST SAVING PER CURVE* OVER 40 YEARS

£160,000

GAUGE-FACE LUBRICATION



£2.20 TO £3.10 PER METRE TREATED INVESTMENT COST



£0.30 TO £1.30 PER METRE PER YEAR OPERATING COST

***TYPICAL CURVE = 800M RADIUS, 15 MGTPA TRAFFIC, 500M LONG.**

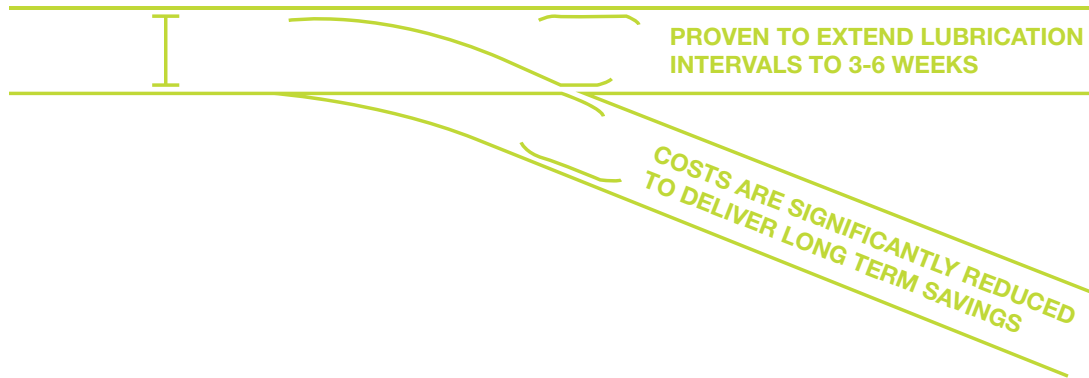
Data from Network Rail UK

SWITCHPLATE LUBRICATION

CLARETECH BIOGLIDE

THE CHOICE FOR ANY OPERATOR WHO WANTS PERFORMANCE AND ENVIRONMENTAL PROTECTION.

Maintaining smooth switch performance is key to the safe and efficient operation of any rail system. High frequency use, and the need for reliable functionality, means that switchplates need specialist lubrication.



FISHPLATE LUBRICATION

ALL SEASONS P-WAY

REDUCING SAFETY RISKS ON YOUR NETWORK

All Seasons P-way Lubricant from RS Clare is formulated especially for fishplates. Long lasting and highly water repellent, this high performance grease offers superior corrosion protection, making it ideal for fishplate application. It is proven for more than 20 years to provide long life lubrication, simple to apply by hand operated pressure spray units and typically lasts 2 years or more before re-application. All-Seasons P-way is a very cost effective maintenance solution that contributes to safety on the railways.

MAINTENANCE PRODUCTS AND EQUIPMENT

By reducing both product use and man-hours, RS Clare equipment is an investment that delivers ongoing savings. Easy-to-use and extremely effective, our equipment ensures that you get maximum value from every product application.

Claretech Bio Degreaser	Readily BIODEGRADABLE, water-soluble DEGREASER. Ideal for trackside maintenance.
P80 CL	High quality CLAMPLOCK lubricant - contains solid lubricant and extreme pressure additives together with a highly effective corrosion inhibitor package.
Compression Spray Unit	Back-Pack applicator for sprayable products, e.g. All Seasons P-way: 'fan' spray head, all plastic 'safe' lance, 10 litre capacity.
Switchblade Wear Protection Kit	Enhances life expectancy of switchblades subject to excessive wear. Equipped with 2 Jumbo-Lubers.
Jumbo Luber	Easy to fit auto - dispense grease canister. Replacement part for Switchblade Wear Protection Kit and Check Rail Noise Reduction Kit.
Check Rail Noise Reduction Kits	Lubricates CHECK RAILS to reduce noise and wear. Equipped with 2 Jumbo-Lubers.

KEEPING THE WHEELS IN MOTION FOR RAIL OPERATORS AROUND THE WORLD



KEY



**Agent/Distributor/
Technical Sales Office**

More passengers, increased frequency, higher speeds. The strain on rail networks has never been greater, which means effective rail protection has never been more important.

That's why a growing number of rail operators rely on RS Clare for track lubricants that outlast and outperform. Already supplying the UK's national network, London Underground, city trams and light railways, we're making strong headway around the globe as the go-to specialists for the most advanced and cost-effective lubricants.

INNOVATION AND SUPPORT SERVICES

RS Clare has one of the industry's largest technical teams focussed on grease R&D, with a combined 215 years' experience in lubricant chemistry. We have long history of developing products specific to the challenges faced by our customers. If you have a problem that needs solving, our team are ready for the challenge.

Our manufacturing and research centre is headquartered in Liverpool, UK and we have technical sales staff in the UAE and Singapore. We are supported by a team of agents and distributors covering many parts of the world and expanding.

See our website to contact your
local supplier: www.rsclare.com/rail

Be it ISO 9001 or ISO 14001, we at RS Clare believe in the pursuit of excellence and endeavour to strive for high standards in all that we do.



TRIBOLOGY KNOWLEDGE SESSIONS

RS Clare possesses a wealth of specialist knowledge, insight and expertise in lubrication and tribology, the science of friction and wear. We run courses and knowledge sharing sessions designed to bring engineers up to speed with the very latest advancements in this fast-moving discipline.

Committed to working with you to find the very best solution for your business, we can also arrange lubrication seminars, factory visits and laboratory showcases to illustrate how we can drive costs down and performance levels up.

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ISO 9001

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