



# Rhenus Lub

rhenus biodegradable lubricating greases

## Biodegradable lubricating greases — the environmentally sound alternative

Mineral oil products are not allowed to enter either water or the soil; a concern that particularly applies to agriculture and forestry, as well as the construction industry, engineering in ports and rail transport. Rhenus Lub develops and produces biodegradable lubricating greases for use in these fields that are certified in accordance with the international environmental management standard ISO 14001. They are free from mineral oils and consist partly of renewable raw materials, conserving resources.

Each and every product within our vast range of rapidly and fully biodegradable lubricating greases has passed OECD-301 testing and is toxicologically harmless — a necessity for ecologically sensitive areas. And users of our products are in safe hands when it comes to handling potential claims for damages resulting from contamination to water or soil.

The lubricating effect also leaves nothing to be desired. As an innovation leader, Rhenus Lub invests more than the average in research and development, with over 20% of our staff employed in this area. Every raw material and every production batch is strictly controlled, guaranteeing that our customers receive products at a consistently high quality that meet all technical requirements. As a result, machines have a longer service life, the lubricating grease performs better and consumption is lower. Protecting the environment can really pay off!



## Product selection

This product overview represents a selection from our extensive range of biodegradable lubricating greases. If you have specific requirements, then we would be happy to advise you personally.

	Applications	Product	Note
General lubrication	Lubrication of roller bearings and plain bearings up to max. 80°C	rhenus CDN 1	NLGI class 1, *
	Lubrication of roller bearings and plain bearings up to max. 80°C	rhenus CDN 2	NLGI class 2, *
	Lubrication of roller bearings and plain bearings at normal and elevated temperatures	rhenus LRU 2	Synthetic base oil, *
Heavy duty	Lubrication of high-stress machine parts at low sliding speeds	rhenus CBC 1	High affinity with metal surfaces, very good anti-wear properties, *
	High-stress plain bearings in mixed frictional areas	rhenus CGG 2	Enriched with graphite, *
Rail transport	Wheel flange lubricant, sliding surfaces on turnout systems	rhenus CBG 03	Enriched with graphite, Rebs approved, *
	Rail flank lubricant	rhenus CEN 1	Can be applied to the track with all traditional stationary lubrication systems, *
	Switch blade lubricant	rhenus LSN 04	Approved for railway use, long service life
	Switch blade lubricant	rhenus LWN 04	Long service life
Rail transport, drill pipes	Buffer head grease, drill pipe grease	rhenus BAC 0	Suitable for use at low temperatures, white solid lubricants
	Buffer head grease, drill pipe grease	rhenus BAC 15	Non-drip, *
Tunnel boring machines, locks	Main bearings, sealing grease	rhenus CXN 25	Very well suited to central lubrication systems and good sealing properties against water/dirt, *
Commercial vehicles, construction equipment, agriculture and forestry, rail transport	Central lubrication equipment in commercial vehicles, units operating outdoors	rhenus LAC 0	NLGI class 0, *
	EP viscous grease for use as a flange lubricant in central lubrication systems in commercial vehicles	rhenus LDU 02 GR	Approved by Delimon, MAN, Willy Vogel AG, Lincoln Tecalemit, Baier & Koppel and others, *
Construction equipment, agriculture and forestry	Roller bearings and plain bearings under normal and demanding operating conditions	rhenus LAC 1	NLGI class 1, *
	Roller bearings and plain bearings under normal and demanding operating conditions	rhenus LAC 2	NLGI class 2, *
Cranes, construction equipment, agriculture and forestry	Wire cables, open gears in construction machinery, agricultural equipment	rhenus CAD 2	Combination of white solid lubricants with synergistic effect, *

\* meets requirements in accordance with CEN TR 16227

## rhenus biodegradable lubricating greases

- Environmentally friendly
- Free of mineral oil
- Excellent lubricating effect
- Shear-stable
- Good adhesion
- For heavy loads
- Very good capacity for stress
- Rapidly biodegradable

## Our biodegradable lubricating greases. A wide range of applications.

rhenus biodegradable lubricating greases can be used in a wide range of areas: in train and rail transport, in agriculture and forestry, in ports, for shipping, for use in construction machinery, and more.

Tunnel boring machines

Drill pipes

**Rail transport** Open gears

Central lubrication systems Units

**Construction equipment** **Buffer heads**

Roller bearings and plain bearings Locks Rail flanks

Wheel flanges **Turnout systems**

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