

simalube – the automatic single-point lubricator

Technical information for transport technology



simalube[®]
smart lubrication

The lubrication expert

Reduce wear and extend component life

Constant use of rail vehicles leads to increased wear of the flanges and rail flanks due to the friction between wheel and rails. Unwanted squeaking noises are a further unpleasant consequence especially in tight corners. In order to ensure trouble-free rail transport, the individual rail components in the three areas of depots, vehicles and infrastructure systems must always be optimally maintained - and this under the most varied weather conditions, continuous impact load and vibrations.

In the service depots, various refinishing machines and lifting devices, for example, are continuously lubricated with simalube in order to optimise their system reliability. The drive chains, pantographs, ball joints or drive motors of the vehicles are always supplied with the optimum amount of lubricant thanks to the simalube, in order to prevent premature failures. Likewise, rails, signal systems and switches of the infrastructure facilities are dependent on permanent lubrication by simalube in order to reduce wear.

Thanks to the constant and precise lubrication with the simalube lubricant dispenser, the wear of important components can be reduced enormously and the service life extended. Significant costs are saved.

Increased safety thanks to simalube

In order to ensure the necessary safety in rail traffic, optimum lubrication of train components is indispensable. In the worst case, inadequate lubrication can even lead to failure of system-relevant components. For this reason, lubricants need to be available at the right time and in the right amount at the respective lubrication point. Thanks to continuous lubrication with simalube and the ability to freely adjust the running time, the automatic lubricant dispenser is the perfect solution for smooth rail traffic.

«simalube lubricates continuously and extends the service life of components»

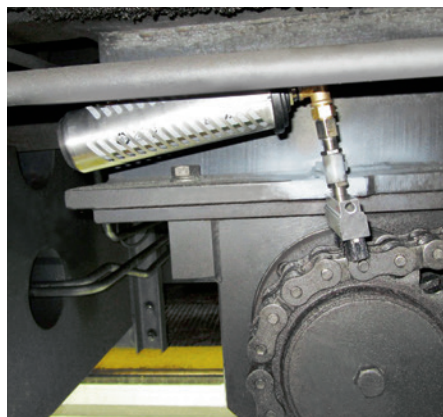
«Cost savings thanks to automatic lubrication»

The benefits of automatic lubrication with simalube:

- Increased operational safety
- Reduced downtime
- Optimization of system availability
- Reduced noise level
- Constant supply of hard to reach lubrication points



The plain bearing of a railway signal is automatically and continuously lubricated by a 30ml simalube lubricator.



The simalube 250 ml lubricant dispenser lubricates the drive chain of a rail crane. A protective cover protects the dispenser.



Two 30ml simalube lubricators and four 15ml simalube dispensers continuously lubricate the compensator of a signalling system.



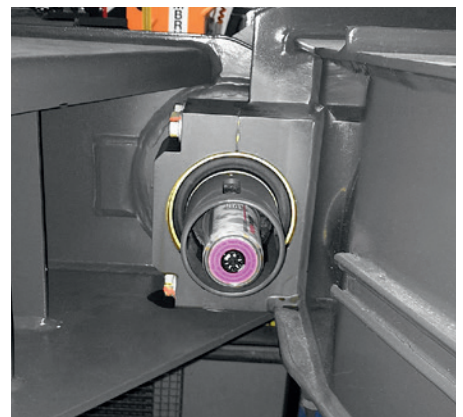
Several 250ml lubricators are installed with a retaining clip and hose connection in the curve of a railway track. The continuous lubricating film prevents the squeaking of the rail in the curves.



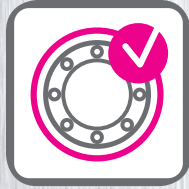
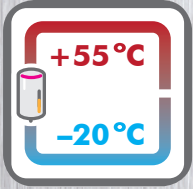
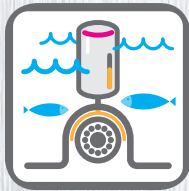
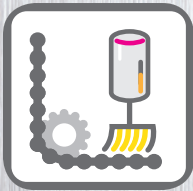
The 125 ml dispenser is installed on the chassis of a low floor tram. The lubricant is directed through a hose to the lubrication point.



The spindles of a lifting station for railway wagons and locomotives are lubricated with 125 ml simalube over 12 months.



The coupling of two railway cars is lubricated with a simalube 125 ml lubricator.



Applications and advantages

simalube application areas for railways, subways and trams:

- Adjustment of points
- Locking of points
- Rails (curves)
- Signal adjustments
- Buffers
- Lifting equipment
- Gearboxes and motors
- Grinding equipment
- Pantographs
- Chassis

simalube applications for railways, subways and trams:

- Bearings
- Gearwheels
- Chains
- Spindles
- Pinions
- Guides
- Couplings

Advantages of the simalube lubrication systems:

- Installation is possible in tight spaces
- Reduction of service costs and maintenance costs: manual lubrication is eliminated, resulting in fewer operations and time saving
- Longer component life thanks to continuous and precise lubrication
- The progress of the dispensing process can be monitored at any time thanks to the transparent housing (quantity control)
- Reliability: once installed, the lubrication points become reliably supplied with lubricant and will no longer be unattended
- Available in five sizes: 15, 30, 60, 125 and 250 ml, plus multipoint
- Simple, ecological disposal (100 % recyclable)
- Flexibility: Running times are infinitely adjustable from 1-12 months



We will gladly inform you about the application of simalube products for rail vehicles.

Our highly-qualified specialists have an in-depth technical knowledge and will show you how automatic lubrication can reduce costs and extend the service life of rail vehicle components.

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