

GS RAIL LUBRICATION SYSTEM FOR AS/RS CRANES

Rails, wheels and guide rollers on stacker cranes can experience significant wear as a result of the loading and accelerations of the machine. Often, flakes of metal torn off the metal surfaces bear witness to this or cracks in the rail are found. The X-axis drive is almost always directly to the support wheel(s) and this accentuates the unwanted wear forces. It also means that conventional lubrication cannot be used to mitigate this as traction and braking would be jeopardised.

SFM, a friction modifier, is designed for these situations and is a unique product. For stacker cranes, it is the key material to be applied to the rolling interface where the drive wheels bear. To further protect the rail sides and guide rollers, SL, a solid lubricant, is often applied to each side of the rail.

Because of the popular application of SL and SFM to cranes, the new GS system has been adapted to offer a pre-prepared array of GS applicators for applying to the rails of AS/RS cranes. The array supplies SL lubrication to each side of the rail and SFM to the rail head on the X-axis travel.

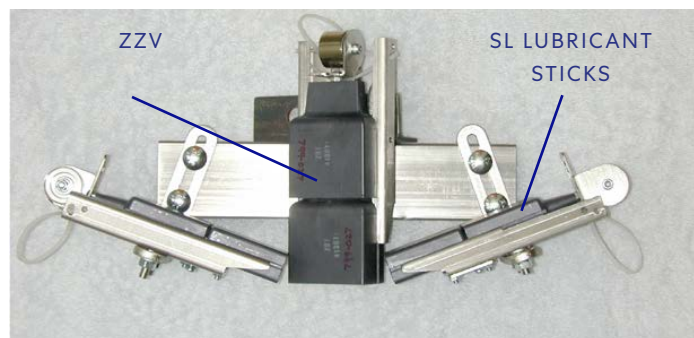
Rubbing the products directly onto the rail surfaces is often the practical way to apply to the relevant wheel/rail interfaces. However, where circumstances permit, the application can be to the wheels and/or guide rollers directly using different configurations of the GS applicators.

Lubrication of the elevator rails can also be achieved with the GS system applying SL lubricant if evidence of wear is displayed here.

OTHER FEATURES OF THE GS CRANE WHEEL LUBRICATION SYSTEM INCLUDE:

- Totally open access to all the applicators.
- Easy installation.
- Simple and rapid refilling process.
- Simple support bracket requirements (brackets supplied)
- Light-weight and efficient structural design.

GS CRANE WHEEL LUBRICATION WILL REDUCE MAINTENANCE COSTS AND GREATLY EXTEND THE LIFE OF YOUR CRANE WHEELS AND RAILS



DIRECT APPLICATION TO GUIDE ROLLERS



APPLICATORS ON ELEVATOR RAIL



APPLICATORS ON X-AXIS RAIL