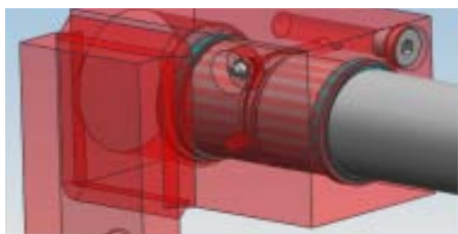


DO NOT GREASE - PLEASE FOLLOW THE OPERATION AND MAINTENANCE INSTRUCTIONS

The Automated Lubrication extends the attachment maintenance intervals, **synchronizing the truck / attachment intervals** – no intermediate maintenance is required. The system minimises the Life Cycle Costs of the attachments and helps avoiding wear or damage through too low, too high or no greasing.



Lubricant reservoirs armcarrier

Initial operation set up lubricant reservoirs of arm carrier:

The lubricant reservoirs of the arm carriers are factory filled with conventional semi fluid greas from factory side already. When the operation begins the grease is automatically applied through gravitational pull. Any steps to start the lubrication are not required.



Lubricant reservoir sideshifter

Initial operation set up lubricant reservoirs of sideshifter:

The upper and lower guides of the sideshift device are each equipped with two lubricant reservoirs, the 3/2/1 Pallet handler is equipped with four at lower guides (see 1 in the figure), which are equipped with their own lubricant feeding devices (propellant units).



Propellant unit

Rotate the pointer to the desired number. The numerals 1-12 represent the months. The propellant unit will then be activated for the selected period. The default setting is 12 months, providing the external conditions of use do not require shorter intervals. Servicing the permanent lubrication system of the sideshift mechanism:

Servicing the permanent lubrication system of sideshifter:

1. Top up the viscous grease for the fork carriers by means of a manual grease gun.
2. Unscrew the empty lubricant reservoirs and replace them with new ones.
3. Start-up of the lubricant reservoir: Set the respective propellant unit to the desired intervals using a hex head socket key.

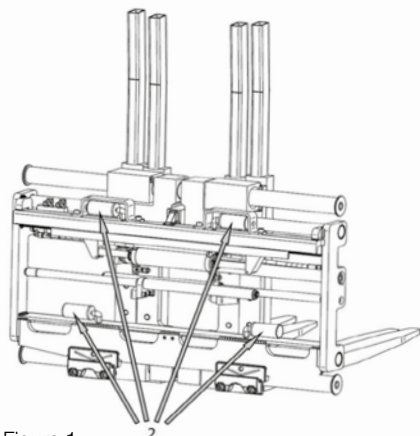


Figure 1
(Example 2/1 Pallet Handler)

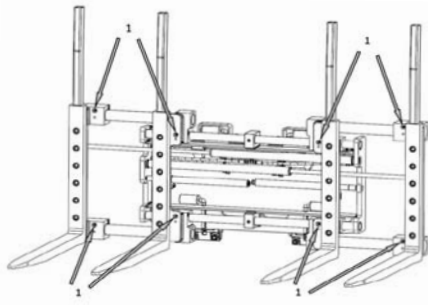


Figure 2
(Example 2/1 Pallet Handler)



Figure 3

The Attachment is temporarily taken out of service:

Reset the propellant units to the 0 position. This suspends the permanent lubrication process. After recommissioning the unit, the desired intervals can be set again. The remaining service period of the propellant units is thus exploited. It is also possible to switch the propellant units in the interim to different settings as desired to adjust the lubricant quantity supplied.

Servicing the permanent lubrication system of the arm carriers:

The layout of the lubrication points for the fork carriers is identical to that of the standard version (see 2 in the figure). The fork carriers are designed so that they can store a large quantity of lubricant. The viscous grease that is used passes to the plain bearing positions automatically. Fresh lubricant is added by means of a manual grease gun. The use of high-pressure grease guns is not permitted. Prescribed lubricant for the guide shafts of the load arms; Lubrication points 1:

- Viscous grease ISO-L-XECEB00-000 according to ISO 6743-9; for example Avialith 000EP Lubrication points, see 3 in the figure.

Please contact our Service for any questions and further information.