

# perma KNOW-HOW

Why is it not possible to refill perma lubrication systems?

No manufacturer's warranty for refilled lubrication systems since their proper function cannot be guaranteed.

Users often refill lubrication systems because they want to reduce costs (by reusing old parts and purchasing large lubricant containers). But does refilling really pay off?



Perfect filling condition: contaminants/dirt particles cannot enter the lubrication system.



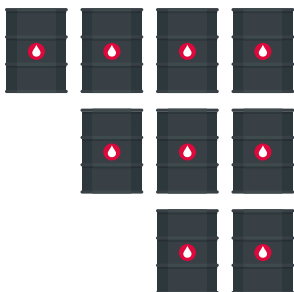
Improper refilling of lubrication systems leads to contaminated lubricant.

## Factors to be considered in connection with refilling:

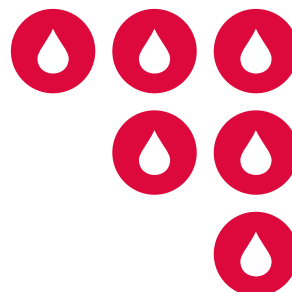
- How much effort is required to refill the lubrication system?
- Are there premises where you can clean the lubrication systems before refilling and store lubricant containers properly and free from contamination?
- Have workers been instructed on the correct filling of lubrication systems (risk of contamination, lubricant mixing and air pockets in the lubricant)?
- Will the reused components withstand the exposure to high pressures or temperatures?
- Can you ensure that the lubrication systems will not be damaged or destroyed during refilling?
- Are there sufficient human resources available to fill the lubrication systems?

→ All of these factors can be excluded by using perma lubrication systems!

## Our filling expertise



Approx. **600**  
tons of lubricant filled  
by perma every year



perma has already filled  
**1,485**  
different lubricants

## We guarantee



### CONTAMINATION-FREE LUBRICANTS

Based on many years of experience and technical know-how, perma lubrication systems are reliably filled with clean lubricant and free of air pockets.



### CORRECT LUBRICANT DESIGNATION

perma lubrication systems always have the correct lubricant designation. This prevents unwanted lubricant mixing.



### RELIABLE FUNCTION OF THE LUBRICATION SYSTEMS

Our lubrication systems and lubricant cartridges (LC units) meet high quality standards and therefore guarantee reliable lubrication.



### LUBRICANT SHELF LIFE

Thanks to the serial number on our products, the year and week of production can be traced. This ensures that only fresh lubricant is used.



### CLP | GHS-COMPLIANT MARKINGS

perma lubrication systems are correctly labelled and show the relevant hazard warnings and safety information.



### NSF CERTIFIED FILLING

We offer a wide range of lubricants especially suited for the food & beverage industry in our automatic lubrication systems. perma is entitled to fill foodgrade lubricants, based on NSF certification in accordance with DIN ISO 21469.

## Your benefits



### FUNCTIONAL WARRANTY

The high reliability level of perma lubrication systems ensures increased equipment availability and helps to avoid up to 75 % of roller bearing failures.



### FOCUSED MAINTENANCE STAFF

The simple handling of perma lubrication systems saves time and allows maintenance work to be carried out efficiently.



### SAFE LUBRICANT SUPPLY

Continuous supply of lubrication points with fresh and clean lubricant without air pockets.