

Source: Hammann

GRINDAIX LUBRICOOLANT PIPE CLEANING TECHNOLOGY

Clean Lubricoolant lines without chemicals! The Comprex process

Your advantages:

- low effort
- no disassembly
- no chemicals, purely mechanical cleaning
- improved hygienic conditions
- minimised use of biocides
- minimum downtimes
- extended inspection intervals
- increased process reliability

We clean your cooling lubricant systems - simple but effective!

Customer requirements

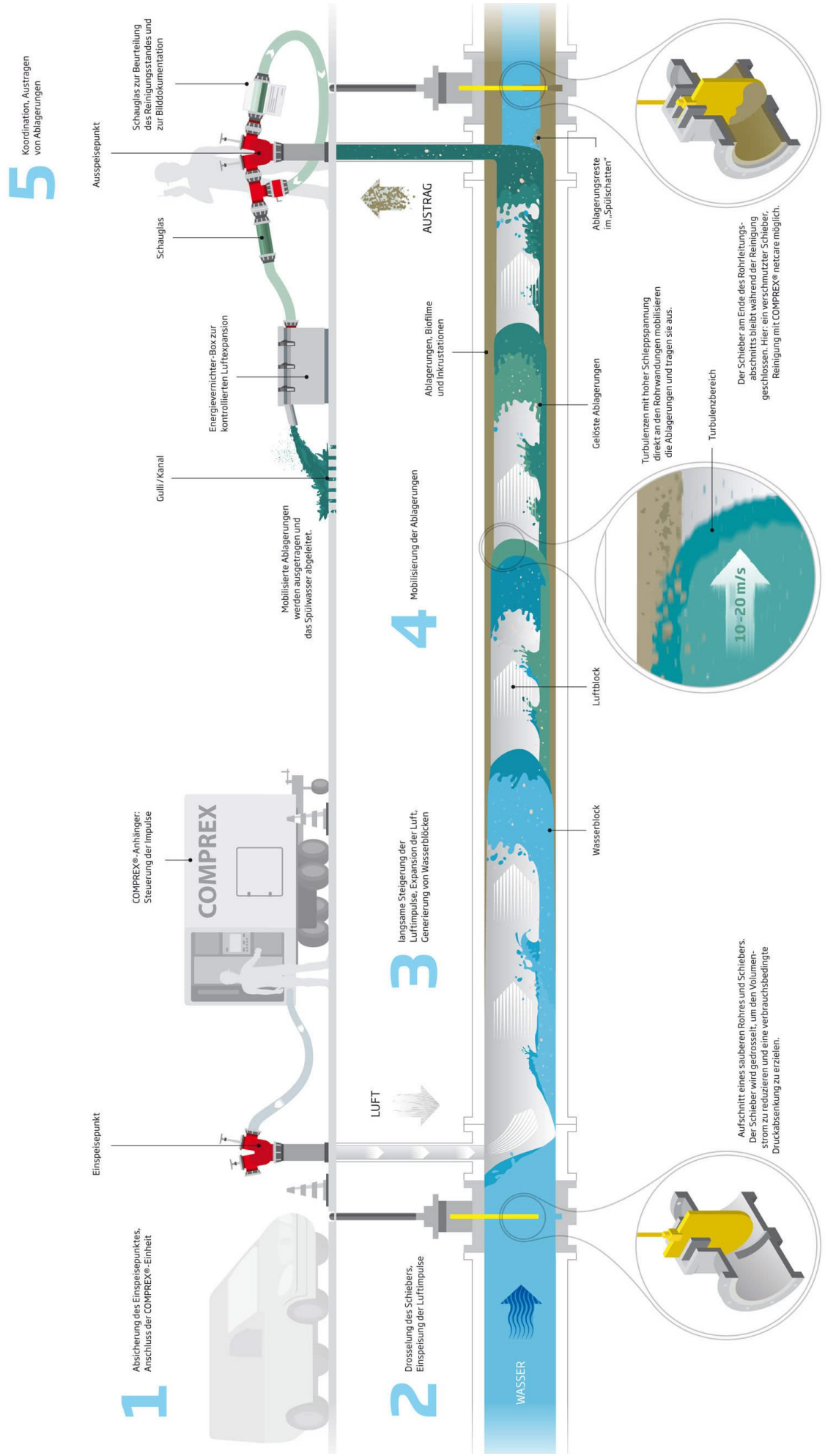
- Access to the pipeline system
- Shut-off valves available (to protect your machines against contamination)
- Rinse water supply and waste water disposal available
- Pitch Comprex® unit (12m²/ preferably possible outdoors)
- Adapter connections for entry and exit point
- Piping system was emptied before cleaning began

Procedure of a cleaning project

1. On-site reception by customer advisors
 - i. Creation of the flow chart as a basis for detailed planning
 - ii. Recording the boundary conditions
 - iii. Coordination of the required connection points within the framework of a technical preliminary planning
 - iv. Determination of entry and exit points
 - v. Wastewater management
2. Technical implementation planning
3. Offer incl. checklist
 - i. for object detection and.
 - ii. if necessary, preparatory (conversion) measures
4. Implementation of the cleaning measure on site
 - i. Making the connections
 - ii. System filling and cleaning
 - iii. Debriefing

OPERATION: The Comprex process:

Your coolant line systems are mechanically cleaned with a water-air mixture without the addition of chemicals. In one section of the pipeline, the section between two gate valves, water first flows in a slow, laminar flow before it exits at the outlet point. We make use of the available water and introduce filtered air in pulses via the feed point. In this way, packets of air and water blocks are formed, which flow through the pipeline section at high speed of 10 to 20 m/s. Deposits are effectively removed. The discharge is filtered from coarse particles. These highly accelerated air-water packages generate powerful turbulence with strong shear and drag forces. This mobilises the deposits in your cooling lubricant lines and reliably discharges them. Even plastic pipes can be cleaned reliably and gently, because the mains rest pressure is never exceeded. Any pressure surges are sufficiently damped by the "air blocks" in the pipe.



... for clean lubricoolant piping!

We check on site:



Your professional partner
around all Lubricoolant system questions

Grindaix GmbH

Marie-Curie-Strasse 8
D-50170 Kerpen

Phone: +49 2273 95373-0
Fax: +49 2273 95373-5
E-mail: filtration@grindaix.de

In close cooperation with our partner company
Hammann GmbH