

Reference project
Cooling lubricant system
Automotive supplier



Figure 1: pipeline for cooling lubricant before cleaning (left side) and after cleaning (right side)

Cleaning of a cooling lubricant supply system

Assignment

- clean central cooling lubricant supply lines with the Comprex® process
- remove deposits of lime soap (Figure 1) from the system
- recover performance and operational safety of the system

Technical Data

- cooling lubricant supply system with 39 taps (Figure 2)
 - length approx. 300 m
 - diameter 1 inch
 - material stainless steel
 - permitted pressure of the system approx. 5 bar



Figure 2: taps of the cooling lubricant-system

Cleaning using the Comprex® process

- mechanical cleaning by defined application of compressed and purified air from the Comprex® unit
- access to the system via standard adapters
- discharge of rinse water and deposits via the taps in provided containers (IBC) for simple discharge (Figure 3)
- 2 technicians, approx. 20 hours on site
- support by technical staff of the customer



Figure 3: discharge via IBC

Results of Comprex® cleaning

- deposits (mostly lime soap) mobilized and discharged from the cooling lubricant system (Figure 4)
- improved hydraulic performance
- original diameter of pipeline recovered (Figure 1)
- full capacity of the system is recovered
- efficient, safe and reliable operation



Figure 4: discharged deposits of lime soap