

Reference project

**Cooling system****Automotive supplier**

Figure 1: Comprex® units on site

## Cleaning of a cooling system with 16 plate heat exchangers

**Assignment**

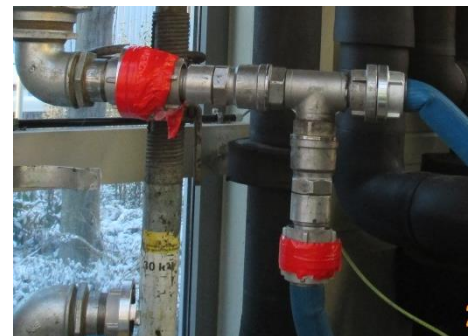
- mobilize and remove deposits from pipelines and heat exchangers
- recover operational safety and reliability
- increase energy efficiency

**Technical Data**

- large cooling system, length approx. 1.200 m
- 16 plate heat exchangers of various dimensions (Figure 2)

Figure 2: plate heat exchangers  
in cooling system**Cleaning using the Comprex® process**

- efficient cleaning of the system by defined application of air and water
- standard adapters for connections between cooling system and Comprex® unit (Figure 3)
- successive procedure of cleaning:
  - 1st step: cleaning of the pipelines without heat exchangers (heat exchanger excluded with bypass)
  - 2nd step: cleaning of the individual heat exchangers (seperated from the pipelines)
- visual monitoring of cleaning progress cleaning via turbidity in inspection glass (Figure 4)
- 2 technicians / engineers
- approx. 40 hours on site

Figure 3: adapters for access  
to the system**Result of Comprex® cleaning**

- deposits have been mobilized and discharged from pipelines and heat exchangers
- increased operational safety and reliability
- efficient operation
- enlarged periods of maintenance

Figure 4: inspection glass for visual  
monitoring of the progress of cleaning