

Reference project

**Treatment of cooling  
lubricants  
Automotive industry**



Figure 1: turbidity at discharge point

## Cleaning of plate heat exchangers in a cooling lubricants treatment plant

### Assignment

- clean heat exchangers with Comprex®
- remove deposits and impurities (Figure 1)
- recover performance, safety and reliability by improved cooling performance.
- pressure test before and after cleaning

### Technical Data

- 2 gasketed plate heat exchangers
- dimensions approx. 0,5 m x 0,5 m x 1,55 m
- permitted pressure of the system 5 bar

### Cleaning using the Comprex® process

- Comprex® unit positioned outside the building (Figure 2)
- entirely mechanical cleaning using air and water of an installed device (Figure 3)
- access to heat exchangers via standard adapters
- visual monitoring of cleaning effect via turbidity in inspection glass (Figure 4)
- 2 technicians, approx. 10 hours on site

### Result of Comprex® cleaning

- deposits and impurities have been mobilized and discharged (Figure 1 and Figure 4)
- recovery of cooling performance
- improves safety and reliability of process
- pressure and leakness test



Figure 2: Comprex® unit on duty



Figure 3: heat exchanger during cleaning



Abbildung 4: turbidity in inspection glass