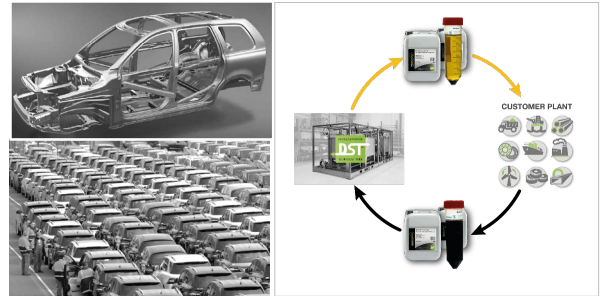


# ► Case Story

# CIRCULAR USE OF OIL

## Hydraulic oil Automotive industry. Mexico



### Problem

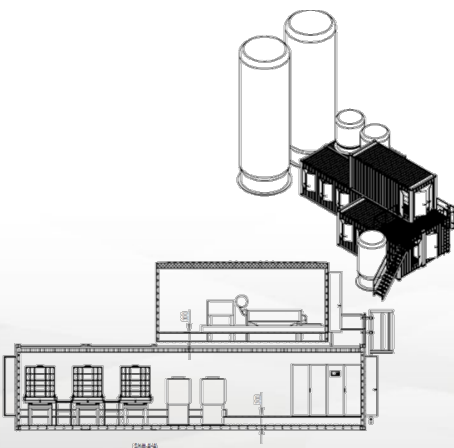
Of all the oil-lubricated systems in commercial and industrial facilities, hydraulic systems are, by far, the most sensitive to contamination.

Hydraulic systems are particularly susceptible to dirty fluid problems because of all the moving parts that are often operating in the dirtiest, harshest conditions. Hydraulic systems are typically subjected to hard use and feature very tight tolerances to help keep out impurities. That means when dirt and debris from wear and tear get into the system, they can cause a lot of damage quickly. From pumps to valves, cylinders to motors, hydraulic system depend on clean oil to keep running smoothly and even the smallest particle or drop of water can cause big problems.

RecondOil received samples of hydraulic oil from a car-manufacturing site in Tijuana, Mexico. The oil changes are very frequent every 3 months due to contamination. The customer wants to lower the cost, close the loop and have an extreme clean oil.

### Solution

The used oil was treated with DST technology in our facilities in Sweden. A ROCCO GS unit was used to perform the cleaning.



ROCCO GS8 ordered by the Mexican customer

### Result

**Particle concentration decreased with 99% from ISO17/16/16 to 10/8/7. This is corresponding to a cleanliness level 88% cleaner than a virgin oil.**

The treatment did not negatively affect the concentration of oil additives, the viscosity or the acid number of the oil.

The high level of cleanliness and mild treatment method enables the possibility to reuse the hydraulic oil again and again in a circular system. The extreme low particle concentration will give less wear and tear in an hydraulic system, enabling higher production efficiency.

**Closing the loop for hydraulic oils.**