

Paint Reclamation & Disposal



QUACLEAR™ DF 100, DT 1000 & FC 10
CASE STUDY

AUTOMOTIVE INDUSTRY

Challenges

A major automotive manufacturer was struggling with water quality issues, foaming issues, and concerns from lower solids sludge due to the de-foamer and paint de-tackifier chemistry they were using.

The foaming issues were also leading to other problems such as:

- **Foam filling the bags and causing wetter sludge**
- **Maintenance and mechanical issues**
- **Higher use of sludge bags**
- **Workplace safety concerns due to increased handling of full bags of sludge**

Additionally, the lower solids sludge resulted in more water in the sludge bags causing disposal concerns.

Quaker proposed the automotive manufacturer convert to QUACLEAR™ DF 100, a general-purpose de-foamer, supplied as an organic liquid that would not only help overcome the identified issues, but also be cost effective

Providing Solutions

Working with Quaker service personnel the manufacturer was able to achieve a consistent water quality and a cleaner system, reducing overall maintenance and system costs, and now has a higher solids sludge which resulted in:

- **Easier and cost effective landfill disposal**
- **Reduced cost from fewer bags being used**

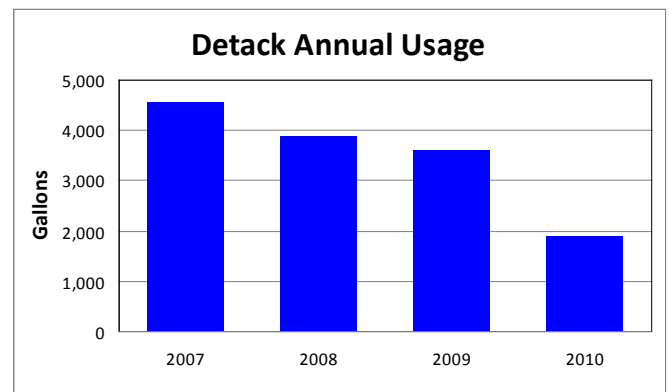
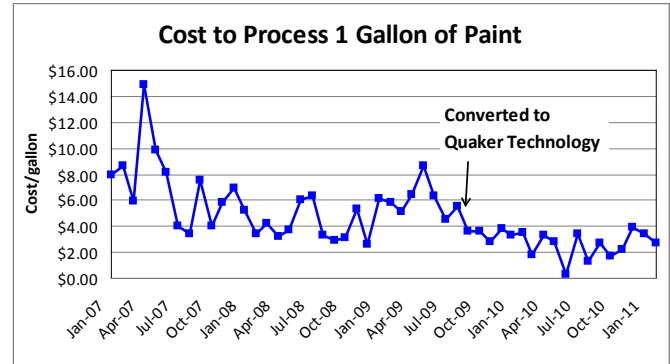
Additionally Quaker has helped the automotive manufacturer reduce chemical usage, leading to reduced workplace safety concerns in chemical handling.

Product Description

QUACLEAR™ DT 1000, QUACLEAR™ DF 100,
QUACLEAR™ FC 10

Benefits:

- **Lower cost**
- **Effective paint separation**
- **Higher solid waste content**
- **Increase process efficiency**



Process & Equipment

Part:	Paint System
System Size:	1500 gallon
pH:	7 - 9
Filtration System:	Palin
Specific Operation:	Paint De-tack System

Product & Process Expertise

Metalworking lubricants represent a very minor part of the costs in a metalworking process, typically less than 1%. This case illustrates the importance of correct fluid selection. The impact of the fluid can be a multiple of its costs, making the price of a metalworking fluid insignificant. That is why Quaker focuses on developing fluids with the highest performance without compromise, fluids that sharpen your competitive edge.

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