

Oil Recovery Precrusher Application

Fluid recovery is a specialized area of our business that helps customers increase savings by recovering liquids found in waste and recycling processes. Fluids are a problem for waste and recycling handlers because they add weight to the load, which increases the cost of disposal. Depending on the type of waste fluid, they can also pose an environmental hazard which also adds cost for handling and disposal.



Problem:

CSX Railroads came to SP Industries to find a solution for their high cost of used locomotive oil filter disposal.

SP Solution:

Our solution was a PC-3000-D-DW with special modifications for used oil collection and containment. The system included a mesh deck that allows the filters to drain before being put into the precrusher and a collection sump.

This precrusher system not only crushed the filters, but also extracted the remaining oil to eliminate the used filters' hazardous material rating. The crushed oil filters, now without oil, were taken directly to the landfill, and the collected oil was pumped to waste drums where it could be recycled.

The railroad saved thousands of dollars annually in waste costs because they eliminated the hazardous waste in their process and converted it into a recycled material. What truly makes this system unique is the fact that all of the oil is contained. For this customer, that was a major concern, as EPA officials are often on-site.



Used locomotive oil filters were an expensive disposal problem because they are categorized as a hazardous waste.



The SP Industries Precrusher solution features a drain deck above the precrusher that allows the oil filters to drain prior to compaction. All oil recovered from the filters is contained throughout the process to give the system a nod of approval from EPA.

