



Case Study



DuBois Quick Lift Effectively Removes Soils While Separating Oils for Easy Waste System Treatment

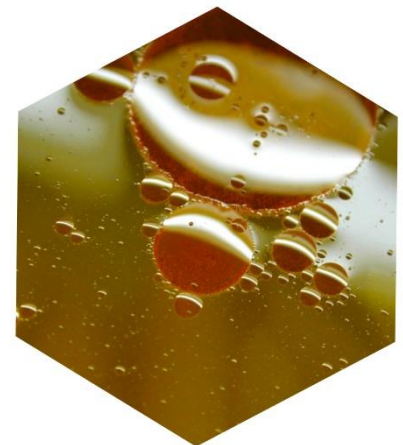
OPPORTUNITY:

The customer is a manufacturer of kitchen and laundry appliances. The pilot plant for this opportunity primarily machines and assembles washing machine transmissions. This process involves several metalworking fluids, greases, and oils. Because of this, the plant has been long plagued with oily residues and difficulty maintaining their housekeeping. Such difficulty maintaining a clean workspace can result in a variety of issues:

- Safety: An unclean and slippery workspace can increase on-site injuries, insurance claims, and OSHA complaints.
- Cost: Residue can shorten the lifespan of equipment, adding additional costs for maintenance, repair, and lost time.
- Company image: A dirty plant implies lesser quality.
- Employee morale: Operators prefer a clean working environment, both in terms of safety and general atmosphere.

In an oily environment, waste reduction is crucial. Oils cannot be discharged into the wastewater stream and must instead be contained in a holding tank to later be waste hauled. The more waste you segregate, the more frequent and expensive the process becomes. Therefore, many customers look for ways to split the oil out of their effluent, allowing them to skim the oil off the top for waste and discharge the water.

In this process, the customer was using a chelated floor cleaner in their scrubbing machine. This clean tied up the oil and did not allow for the desired split, resulting in frequent waste hauls. This provided DuBois the opportunity to implement a solution to effectively clean and split the oil for elimination from the effluent to ultimately lower operating costs and improve site safety.



THE DUBOIS SOLUTION:

DuBois partnered with the manufacturer to implement DuBois Quick Lift, a quick oil-splitting floor cleaner and general degreaser. DuBois Quick Lift is a low-foaming, versatile industrial cleaner with a neutral pH for maximum user safety. With patented oil-splitting technology, DuBois Quick Lift cleans soils from floors and hard surfaces and split out oil-based soils with no pH adjustments or agitation needed.

RESULTS AND BENEFITS:

The customer was running the competitor's floor cleaner at a 1:15 dilution. They ran out this cleaner, rinsed the sump out, and charged the DuBois Quick Lift at a 1:50 dilution for most areas and a 1:30 dilution in exceptionally slick and oily areas around their automatic screw machines that use straight oil. The operator was very pleased with the reduced usage and the improved cleaning. The customer also reported that with the competitor's cleaner, a drum of waste hauled fluid was only approximately 7% oil. With DuBois Quick Lift and the ability to skim off the oil from the water effluent, a drum of waste hauled fluid was 98.6% oil. This allowed the customer to waste haul much less frequently, allowing them to decrease their overall spend and their environmental footprint.



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