



Case Study



Jettacin Removes Tough Soils While Meeting Discharge Requirements

OPPORTUNITY:

The customer is a leading innovator and manufacturer of agricultural and industrial equipment. Their broad range of offerings includes crop production tools and equipment for landscaping and road maintenance. These parts are normally made of hot-rolled or cold-rolled steel, with some instances of stainless steel. The parts arrive from the manufacturing facility coated in fabrication oils, weld spatter, mill oils, rust preventives, and more. It is crucial to the customer's success that these deposits are removed prior to painting to ensure a durable, long-lasting coat.



To ensure this success, the customer looked to implement a manual pressure washer cleaning step prior to pretreatment and painting. Their engineering team reached out to their local DuBois technical support to find the correct cleaner to use in their pressure washer. Not only did this cleaner need to be a robust product capable of removing any of the soils presented, but it also needed a moderate pH and phosphate-free formulation to meet discharge requirements.

THE DUBOIS SOLUTION:

The DuBois technical team reviewed the system requirements and the parts being processed and recommended **Jettacin** as an ideal solution. Jettacin is a multi-purpose, heavy-duty cleaner. Its unique blend of surfactants, emulsifying agents, and natural solvents give it the unique ability to break through the bonds of even the toughest soils. It provides rapid and complete rinsing, leaving surfaces residue-free and ready for pretreatment.

Jettacin also carries a use pH of 10.6 and contains no butyl cellosolve, glycol ethers, or phosphates, making it suitable for sewer discharge. It is also safe on most common alloys, ensuring that the customer's varied metals would exit the process cleaned, but without any metal damage.

KEY BENEFITS:

The customer began utilizing Jettacin at a 3% to 5% concentration, depending on the severity of the soils on each unique batch. They followed this step with a DuraTEC Wand FRP pretreatment step, and finally a liquid or powder paint. The customer observed a consistent, durable coating, indicating the parts were being fully cleaned and pretreated by the Jettacin and DuraTEC Wand FRP. They also expressed their appreciation that Jettacin's sustainable properties allowed them to discharge to the drain, minimizing their waste costs and environmental impact.

The customer has remained very satisfied with this process and proud of the quality they can consistently deliver to their customers. This success invigorated the team to partner on future opportunities, including the implementation of a five stage washer to more efficiently process smaller parts, while continuing to utilize the pressure washer for large parts.



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