APPLICATION CASE STUDY #30

LAC 147
CLEANER

CUSTOMER: LARGE INDUSTRIAL MANUFACTURER

Industry/Market: Heavy Machinery and Vehicles
Product Type: Cleaner
Product Number: 41030000
Machinery Involved: N/A
Description of Environment: Reman Engine Disassembly and Cleaning
Volume Used: N/A
Date of Use: 4th quarter 2012 to present
Documented Cost Savings: $55,000 per year

DESCRIPTION OF PROBLEM

Six spray washers had to be run at 180°F with frequent overflowing of the tank due to foam. Although the cleaner used at the time was considered “low foam” the foam generated at the spray nozzles was to the point that cleaning by impingement was thoroughly lost. Since the fluid was mainly “air” there was a total loss of chemical activity at the soil site. Tankside defoamer had to be used to attempt to control the foam. This was a losing battle. If that was not enough, gummy hard water soaps were being generated plugging up spray nozzles and filter units. Consumption was high because the cleaner had to be changed daily. Mopping up the daily overflows, unplugging clogged spray nozzles and perpetual filter changes was an unmitigating headache.

SOLUTION

Our team converted the cleaner to LAC 147 and obtained superior cleaning at less than half the concentration. Foam was eliminated and hard water soaps disappeared. Cleaning ability was never diminished even when temperatures of the cleaner bath were reduced to 155°F, further reducing power consumption. The life of the bath was extended from one day to two weeks.

CUSTOMER TESTIMONIAL

Senior management at the facility has recognized this success to the point that Chemtool has been invited to participate in more projects to offer even more value.

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