



Industry Case Study

- Heavy Equipment Cleaning
- Railroad Industry
- Heavy Duty Bearings

APPLICATION DETAILS

This customer is one of the largest wheel bearing remanufacturers in the World. The current washing equipment was not only undersized but under powered to keep up with the production load required.

CHALLENGE

The customer needed to completely remove the heavy grease from heavy truck, railroad, and various heavy equipment bearings. A large share of the bearing contained up to 1 lb. of grease per bearing and the number of bearings being cleaned required a cycle time of four (minutes) max cleaning cycle. Due to the large amount of grease being introduced into the wash sump we needed to completely drain the sump at the end of the day to allow the grease to separate for disposal. A batch tank and transfer pumping system was added to do the separation of cleaning solution and grease and the clean solution was transferred back to the cleaning sump prior to the shifts start.



BEFORE CLEANING



AFTER CLEANING



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AUTOMATIC FRONT LOAD WASHER PCS-4240 (X2)

Main Functions

- Inside dimensions: (42" x 40")
- turntable diameter x height
- (1,500 lbs) weight capacity
- mild steel construction
- PLC control with Operator Interface
- dual filtering units (50 micron)
- steam exhaust
- oil skimming
- Tank Sweep application
- Low water shut off / auto water fill.

Wash System Function

- dual (2) – 15 hp pumps
- 160 gpm @ 160 psi
- 300,000 BTU Natural Gas heat capacity
- 195 F Design Operating Temperature
- 265 gal solution tank

Rinse System Function (Non-recirculating)

- Fresh Water Makeup from Plant Supply
- Automatic Water Fill makeup to Wash Tank

