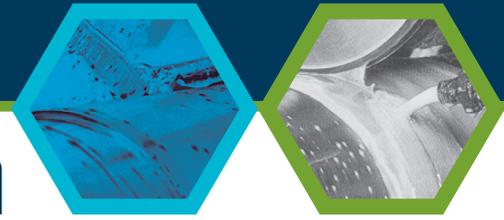


LARZIP 30, DAC 900, LAC ADDITIVE BA

CLEANERS



CUSTOMER: LARGE INDUSTRIAL MANUFACTURER

PRODUCT

Larzip 30 is a highly caustic, highly concentrated alkaline cleaner and rust stripper. Larzip 30 is recommended for use on steel substrates. Larzip 30 is also highly effective for carbon removal, rust removal, paint stripping (with a solvent additive –10% Paint Strip Additive) and zinc phosphate removal. Paint removal properties accelerated with the addition of Elimicote Additive PR/LAC Additive BA at 4%-15% The residual films of Larzip 30 can provide flash rust protection for short term in-process corrosion protection for parts in storage and during shipping.

DAC 900 is a detergent additive formulated with an anionic/nonionic surfactant blend and a unique builder system that provides superior cleaning and oxide removal capabilities in combination with an alkaline cleaner in immersion and spray processes.

LAC Additive BA is an all metal safe, additive designed specifically as an in- process additive to boost paint lifting and removal. LAC Additive BA enhances paint removal due to its high solvency that helps loosen and soften the paint.

PROCESS AND EQUIPMENT

Industry/Market	Construction
Product Type	Cleaner and Additives
Product Number	121010000 (Larzip 30), 480060000 (DAC 900) 420021000 (LAC Additive BA)
Machinery Involved	Jen Fab 7-Stage Washer
Description of Environment	N/A
Volume Used	Larzip 30 (40%), DAC 900 (5%), LAC Additive BA (11%)
Date of Use	May 2016
Documented Cost Savings	\$180,000 (waste water reduction) Reduced rewash rate from 32% to 16%

▷ DESCRIPTION OF PROBLEM

Demand for remanufactured engines and transmissions has been growing throughout the years. The fact is that during down turns, when budgets are more limiting, it is far more attractive to purchase a quality remanufactured drive train than purchase new. The use of Exhaust Gas Recirculation (EGR) systems, furthermore, has been harsh on EGR exhaust coolers and turbocharger units with carbon deposition to the point that these units have to be swapped out at a given time to maintain optimum efficiency. This has been a great opportunity for “Reman” plants now and in the foreseeable future.



▷ SOLUTION

We used our Liquid Alkaline Rust remover/cleaner Larzip 30 at 40% concentration as our main base cleaner, and fine tuning with a boost of our Detergent Alkaline Cleaner DAC 900 at 5% and our LAC additive BA at 10% to help to facilitate stripping of the troublesome coatings for the first stage. We used Larzip 30 at 40% in stages 3, 4, and 5 maintaining a temperature of 190°F throughout those stages. In stages 6 and 7, we used our liquid rust preventative RPA 500 at 5% in ambient temperature.

▷ CUSTOMER TESTIMONIAL

Originally our trial was only supposed to last four weeks, however, performance was so much better than the competition in reducing the weekly rewash rate from 30% to 16%, nearly half, that upper management asked us to have an additional four weeks! The evaluation is currently ongoing, however, we are the clear front runner.