

APPLICATIONS

PUMPS



HIGH PRESSURE CLEANING IN SPONGE FACTORY

File No. 213

Section 6

PROBLEM:

Less than adequate cleaning job resulted in color runover and caused quality control problems.

SOLUTION:

New high pressure cleaning system reduced the cleaning time while doing a better job.

SPECIFICATIONS:

CAT PUMPS Model *310
 Pressure 2000 PSI
 Flow 4 GPM
 Temperature Ambient
 Fluid Water
 Duty Cycle Intermittent
 Drive Electric

*Alternate CAT PUMP model 5CP2120W.

BENEFITS:

- Cleaning time cut by 70% enabling more production time.
- Improved quality control with more thorough cleaning and no color runover.
- Portability and simplicity makes cleaning less tedious a task.
- Water consumption cut by 90%.

OPERATION:

The CAT PUMP provides a significant savings for something as common as the household sponge. This manufacturer was burdened with the tedious task of cleaning vats following a production run of sponges. This cleaning had been done by hand with a garden hose and scrappers and the results were less than adequate. Many valuable working hours were required and large amounts of water were consumed.

With the installation of a CAT PUMP powered high pressure cleaning unit, they cut their water consumption by 90% and their man power by 70% and removed all traces of the previous color mix from the vat assuring better color control. The new high pressure system has greatly simplified the plant cleaning. Its portability makes it convenient to all 3 floors of operation and all types of equipment. The 10x10x8 mixing vats and mixing arms, transport carts, presses and molds can all be residue free, leaving no color runover to spoil a sponge mix. And personnel are freed for increased production.

Sponge starts out about the consistency of whipped cream and is delivered by conveyor from the mixing tanks to the agitators. The new high pressure system enables a thorough cleaning throughout the plant.



These revolving arms in the agitator are the stimulus to help create the sponge texture. All the plant equipment: conveyors, mixers, agitators, molds, transport carts etc., become coated with the sponge residue and must be thoroughly cleaned to prevent color runover from spoiling the next sponge productions run. The high pressure cleaning system does this effectively and efficiently.

“Customer confidence is our greatest asset”

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

Aug 1999 8940

World Headquarters

CAT PUMPS

1681 - 94th Lane N.E. Minneapolis, MN 55449-4324

Phone (612) 780-5440 — FAX (612) 780-2958

e-mail: sales@catpumps.com

www.catpumps.com

International Inquiries

FAX (612) 785-4329

e-mail: intlsales@catpumps.com



The Pump with "Nine Lives"

CAT PUMPS (U.K.) LTD.

1 Fleet Business Park, Sandy Lane, Church Crookham, Fleet
Hampshire GU13 0BF, England

Phone Fleet 44 1252-622031 — Fax 44 1252-626655

N.V. CAT PUMPS INTERNATIONAL S.A.

Heiveldkens 6A, 2550 Kontich, Belgium
Phone 32-3-450.71.50 — Fax 32-3-450.71.51

e-mail: cpi@catpumps.be www.catpumps.be

CAT PUMPS DEUTSCHLAND GmbH

Buchwiese 2, D-65510 Idstein, Germany
Phone 49 6126-93030 — Fax 49 6126-930333
e-mail: catpumps@t-online.de www.catpumps.de