Cyclone Cleaner Cones

Pulp & Paper — Stock Preparation
ARC 858, 855 and MX1 Coatings
Case Study 043

Challenge

Issue

Delamination of rubber lined exit cones led to plugging of system and reduced maintenance cycle to 3 months.

Goals

- Protect exit cones from abrasion
- Increase MTBR to >3 months

Root Cause

Rubber liners delaminate at upper seam due to abrasive flow.

Solution

Preparation

- Remove existing rubber liner then steam clean at 100 bar (1400 psi)
- Grit blast to Sa 2.5 with 3 mil (75 µm) angular profile

Application

1. Rebuild pitted areas with ARC 858
2. Mold liner to ¾ inch (18 mm) with ARC MX1 to accommodate previous rubber lining thickness
3. Apply 1 coat ARC 855 ~DFT: 30 mils (0,75 mm)

Results

Client Reported:

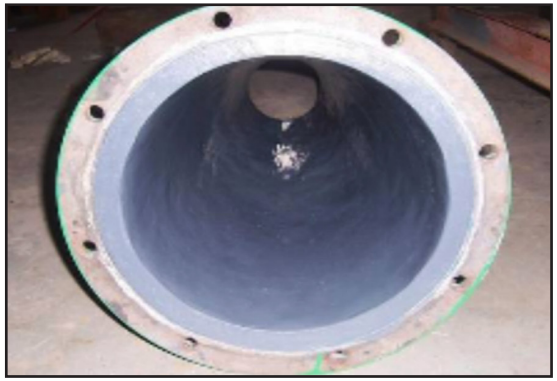
12X increase in MTBF (>36 months)

Annualized rubber lining repair costs (4x):	$ 4.8K
Annualized ARC repair:	-$ 1.5K
Annualized savings per cone:	$ 3.3K
Total savings (27 cones):	**$89.1K**

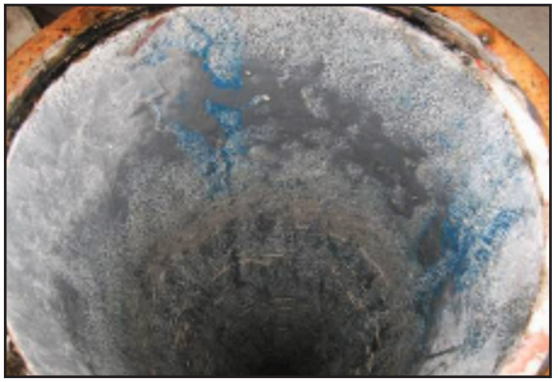
**Does not include increased production time*

$=USD

Rubber liner at 3 months



Repaired exit cone



12 month inspection working perfectly

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.
A.W. Chesterton Company disclaims all warranties expressed or implied, including warranties of merchantability and fitness for a particular purpose. Liability, if any, is limited to product replacement only. Any images contained herein are for general illustrative or aesthetic purposes only and are not intended to convey any instructional, safety, handling or usage information or advice respecting any product or equipment. Please refer to relevant Safety Data Sheets, Product Data Sheets, and/or Product Labels for safe use, storage, handling, and disposal of products, or consult with your local Chesterton sales representative.

A.W. Chesterton Company
860 Salem Street, Groveland, MA 01834 USA
© A.W. Chesterton Company, 2014. All rights reserved.
® Registered trademark owned and licensed by A.W. Chesterton Company in USA and other countries, unless otherwise noted. **WWW.ARC-EPC.COM**

EN23593.42
09/14

CHESTERTON
Global Solutions, Local Service.