Improving Control Valve Reliability—$21K Savings Per Unit Annually

Food and Beverage Industry – Sugar Mill
Product: Chesterton 296 Electro-Contact Cleaner
Case Study 060 IL/MRO

Challenge

Background

The valve positioners at a sugar mill were cleaned by a conventional contact cleaner using propylene bromide, dichlorole ethylene and other aggressive solvents. As a result, the sensitive plastic and rubber components became damaged, causing the positioners to malfunction. Positioners were replaced often.

Plant management was also concerned about the health and safety of workers due to the use of toxic solvents.

Solution

Product

Chesterton 296 Electro-Contact Cleaner was applied to the positioners. This precision cleaning solvent helped remove dust, dirt, and light oils from electrical components. 296 is also fast evaporating, non-corrosive and safe on most plastics and rubber.

Results

Increase Reliability

With the application of Chesterton 296 Electro Contact Cleaner, the valve positioners were cleaned effectively and no longer malfunctioned.

This amounted to savings of $21,373 per year in downtime and labor cost per unit.

Chesterton 296 is now a stock item due to its low toxicity and low flamability risks.

Damaged valve positioners.

***Chesterton 296 Electro-Contact Cleaner** cleans without corroding equipment.*

Butterfly control valve repaired and ready for use.

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