



# Low- and No-Heat Alternatives for Industrial Washers

Reducing metal cleaner and energy costs with biostable technology

## Customer's Unique Situation

- A bearings manufacturer was using old metal cleaner and rust preventive technology in its industrial washers, which they had to dump on a weekly basis.
- Its three-stage washer operation incurred significant energy costs because the fluids had to be heated to 150 degrees Fahrenheit.

## Driving Successful Outcomes

- Increased washer lifecycle led to more than \$6,000 in annual chemical savings.<sup>1</sup>
- Manufacturer saved more than \$18,000 on energy costs.<sup>1</sup>

## The Houghton Difference

- Houghton recommended switching to biostable technology and eliminating heat from the process. They tested Houghton's Cerfa-Kleen® 5354 and Rust Veto® 2212B in one of the washers.
- Cerfa-Kleen 5354 and Rust Veto 2212B run at ambient temperature, so heat was eliminated from the operation. By removing heat from the process, the manufacturer would increase the lifecycle of the washers.

<sup>1</sup>Figures are based on savings calculated for one washer. Manufacturer has multiple washers in its operations.