

# SERFILCO® CASE HISTORY

AAA Galvanizing operates plants in Peoria, Joliet, Dixon, IL, and Hamilton, IN, to galvanize steel of all shapes – in accordance with ASTM123 Standards, requiring clean, smooth and uniform zinc coatings.

The problem they encountered was the cost to dump and treat the acid before rejects occurred if the HCL became too weak, or contaminated with solids.

Filtration could prevent roughness, but to extend the life of the acid a product called 'PRO-pHX' was added to control the metal build-up and eliminate the oil film and organic build-up. The first plant to use this proven chemistry was in Hamilton, IN.



**Model PL780(3) SH-3P-H4x3x9-L(M8xM1)  
H10-G3-SPB4-DWSF w/273 sq. ft. of equivalent solids holding capacity.**

They coordinated the products of their chemical supplier along with a suitable filter system from SERFILCO to remove the impurities (solids) to extend the life of the 14,500 gallon pickle tank.

The filter selected provided one turnover per hour, employing depth type polypropylene fiber offering nominal 50  $\mu$  particle retention.

Since installation in June of 2004, denser 20  $\mu$  has successfully allowed the operator to see 50% into the depth of the tank.

The acid has not been replaced, nor have they experienced any problems. The rejects have been eliminated and a smooth, uniform coating has been achieved during the past 6-8 months of around-the-clock operation.

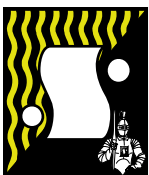


**Mr. Weingart, Corp. Project Manager, is shown discussing the clarity of samples taken from the filtered and unfiltered solutions.**

The reduction in supervision, labor and waste treatment resulted in an annual savings of 24,000. The Management plans to install a second system on another tank as soon as possible and at other locations.

SERFILCO also offers pumped Ser-Ductor agitation along with skimmers to skim floating debris from the tank surface.

Further information can be obtained from Mr. Kevin Irving, Vice President of AAA Galvanizing. Visit their website at [www.AAAGalvanizing.com](http://www.AAAGalvanizing.com). PRO-pHx chemistry is available through PRO-pHx INC. at [www.pro-phx.com](http://www.pro-phx.com).



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