

Associate
Member
Spotlight

Going Green with Calvary Industries at CAM Superline Means Cleaner Trailers, Cleaner Environment

By George Mazzaro, Regional Manager, Calvary Industries & Austin Morelock, Business Development Manager, Calvary Industries

Calvary Industries has developed a new line of non-phosphate pretreatment chemistries that increase paint adhesion, offer significant operational savings, and improve the environmental impact of trailer manufacturers. Calvary's technical staff conducts complimentary on-site surveys and offers comprehensive solutions that meet the needs of all applications and customer requirements. As a trailer manufacturer, the better you clean and pretreat your parts, the better paint adhesion you will experience.

CAM Superline, Inc. located in Waynesboro, Penn., is an industry leader, building a wide variety of hydraulic dump trailers and construction trailers. In addition to a commitment to build the best and be recognized for consistent product quality and performance, CAM Superline has been at the forefront of "green" manufacturing with its building practices.

In mid-2015, CAM Superline was faced with changing pretreatment from traditional iron phosphate to phosphate-free due to new and impending regulations from local municipal authorities. "We had anticipated this upcoming directive, and immediately planned for a fully-tested alternative," said Shawn

Seiple, Finishing Production Manager. "However, we needed to make sure any chemical change was not going to negatively affect corrosion protection and overall quality of the product or cause disruptions relative to processes, labor, or equipment."

George Mazzaro, Regional Manager for Calvary Industries, headquartered in Cincinnati, Ohio, assisted in developing a detailed solution. The first step was to perform testing with existing products in Calvary's non-phosphate, zirconium product line, the Advantech Series, to determine a performance level compared to CAM Superline's existing process. This testing produced improved results, and the Advantech M610 manual spray wand product was chosen to perform a line trial.

The next step was to run a line trial in CAM Superline's actual production facility and verify the results achieved during initial testing could be duplicated under those conditions. "Our biggest challenge was being able to provide a product that met all of CAM Superline's objectives with all trailer configurations which are composed of several types of steel," said Mazzaro.



Trailer Pretreatment Booth Using Calvary's Advantech M610-A01

Since Calvary is willing to modify and custom formulate products, Calvary’s technical team took the information gathered during the production trial and developed three new versions of Advantech M610. The process was repeated; testing to determine performance level followed by production trials.

After several months, Advantech M610HW-OA1 was chosen and has since been an integral part of CAM Superline’s surface preparation and finishing process. “We have been extremely pleased with George Mazzaro and Calvary throughout the entire process, beginning with their willingness to meet and work alongside the Pennsylvania Department of Environmental Resources and our local waste water authorities, adapting their products to our manufacturing/finishing processes, and testing extensively to maintain or enhance product quality,” said Sandy Poffenberger, CAM Superline President.

The successful results of the conversion - CAM Superline has improved environmental impact and increased finish quality.

About the Companies

Calvary Industries was founded in 1983 as a formulator and producer of blended process chemicals such as industrial cleaners, conversion coatings, metalworking fluids, and waste treatment chemistries. Calvary’s North American technical sales team is supported by an experienced production staff as well as chemists with fully equipped laboratories. While maintaining ISO 9001: 2008 quality registration, Calvary will provide you with excellent in-plant service, unsurpassed blending expertise and exceptional production capability, while maintaining a total quality program throughout their processes.

For more information on Calvary Industries visit www.CalvaryIndustries.com,

For more information on CAM Superline visit www.CamSuperline.com, and PEM visit SprayWand.com. ■



Calvary Industries, Inc.



CAM Superline’s High Pressure Pretreatment Setup includes a PEM Spray Wand Unit



CAM Superline’s Advanced Manufacturing Facility

Quality Built In.

