



NEWS ALERT

New Report Shows Corrosion Protection of Cortec® Biobased Products in Contaminated Environments



Several Cortec® biobased corrosion inhibiting products were recently tested by Dr. Behzad Bavarian and Lisa Reiner of California State University, Northridge, to investigate—among other things—their corrosion inhibiting action in salt water and their general adsorption behavior.

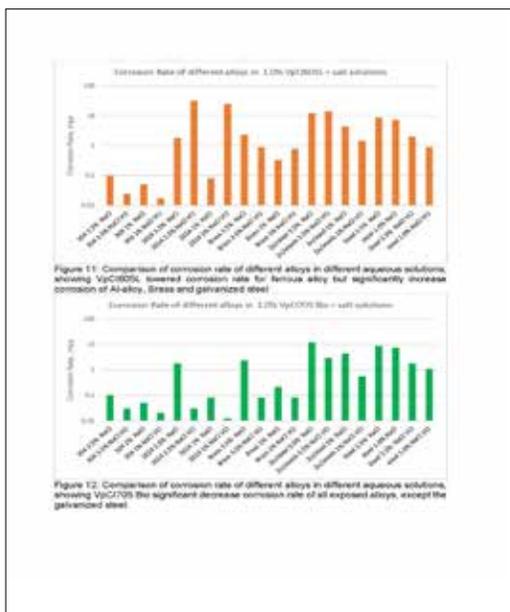
Testing showed that all of the biobased products under examination were able to reduce corrosion of metal in saltwater solutions. VpCI®-642 and EcoLine® Biobased Grease powered by Nano VpCI®, two of Cortec's relatively new products, both showed very good performance. VpCI®-642 is designed for protection during hydrostatic testing with seawater. EcoLine® Biobased Grease is meant for use on bearings. Considering their good performance in saltwater, these products are especially desirable for use in marine environments such as those on offshore rigs.

Other products to note from the study are VpCI®-705 Bio (an additive for protection in biodiesel fuel systems) and VpCI®-645. VpCI®-645 contains 93% USDA certified biobased content and can be used to protect ferrous and non-ferrous metals from corrosive solutions such as saltwater or brine used for cooling/heating systems or hydrostatic testing. Both showed good protection in saltwater.

Another important aspect of Dr. Bavarian's testing was examining the adsorption behavior of the various corrosion inhibitors. In everyday terms, this shows how strongly the corrosion inhibitor will bond to the metal surface. The better the adsorption, the stronger the bond—and the better protection the product is likely to give. All the biobased products in testing showed good adsorption rates, indicating that these corrosion inhibitors have a strong tendency to attach onto metal and protect it.

To read the full report, visit the following link:

<https://www.cortecvci.com/Publications/Papers/Vapor-Phase-Corrosion-Inhibitors-Report-2018.pdf>



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