

Comparison of the Corrosion Protection Effectiveness of Vapor Corrosion Inhibitor with Nitrogen Blanketing System and Dry Air System

Behzad Bavarian, Lisa Reiner
Dept. of Manufacturing Systems Engineering & Management
College of Engineering and Computer Science
California State University, Northridge, USA 91330

and

Boris Miksic, FNACE
Cortec Corporation
4119 White Bear Parkway
St. Paul, MN 55110

Corrosion behavior of carbon steel and galvanized steel samples was investigated using three different protection mechanisms: vapor corrosion inhibitor (10% VpCI337), nitrogen blanketing system and constant flow of dry air (RH% <40%) system. The objective of this project was to demonstrate which technique provides more protection in corrosive environments.

Corrosion results for each methods will be discussed.