



CORROSION INHIBITING VpCI® POWDERS

CASE HISTORY

VpCI®-609 Powder



DATE

July 1997

CORTEC REPRESENTATIVE

Asia Aqua Technologies

CUSTOMER

Formosa Petroleum Company
(Formosa Plastic Group)

LOCATION

Mao-Liao City, Taiwan

CORTEC PRODUCTS

VpCI®-609 Powder

PROBLEM

Formosa needed to protect eight massive RDS reaction chambers from corrosion prior to installation. The chambers were stored near the ocean during short term lay-up. Harsh environmental conditions included strong winds, dramatic changes in weather, heavy dust and highly corrosive air. The size of the chambers required a protectant that would be inexpensive and simple to use while offering effective protection from corrosion. Previously, the reaction chambers had been vacuum sealed with nitrogen.

APPLICATION

Formosa chose VpCI®-609 powder, which designed to protect metals in an enclosed space - ideal for the insides of the metal reaction chambers. The chambers are 5.5 yd (5 m) in diameter, 30.6 - 28.3 yd (28 - 35 m) long, and divided into three internal sections. Technicians entered the reaction chamber through a huge top nut and spread VpCI®-609 powder inside, then sealed the opening with a thick plastic sheet. Rohrback Cosasco System probes were installed in a branch pipe to monitor the VpCI® protection. Data is collected weekly for quality assurance.

REASON CORTEC SELECTED

- Worldwide track record of corrosion protection
- Ease of implementation
- Affordable cost of entire operation
- Effective product

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