



VpCI® METALWORKING PRODUCTS



# CASE HISTORY

## Bolt Joint Pipe Preservation



### DATE

August 2013

### CORTEC® REPRESENTATIVE

Cortec® Corrosion Solutions India Pvt Ltd

### CUSTOMER

ATMA Autotech Engineers Private Limited

### LOCATION

Bawal, India

### PRODUCTS

VpCI®-418L

VpCI®-377



### PROBLEM

The ATMA plant manufactures Maruti parts. ATMA's intricate cleaning and zinc plating process could only protect the external surfaces of the bolt joint pipe, but the internal surfaces were still corroding due to the use of acid. Because of the problem, the pilot lot was rejected and the customer was about to lose the client's order.

### APPLICATION

Cortec® VpCI® products were introduced into the process at two stages. The pipes were first dipped in VpCI®-418L cleaner/degreaser in a 1:9 solution before being dried in an oven as usual. After drying, the parts were further dipped in a 1:8 solution of VpCI®-377 for corrosion prevention.


### CONCLUSION

The problem was easily solved at a much lower cost (0.3 INR per component) without making any major changes in the existing process. The rust preventive was eco-friendly and easy to apply by dipping. The customer no longer faced corrosion problems inside the pipe due to the excellent properties of Cortec® products that enable the parts to withstand harsh corrosive environments.



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