

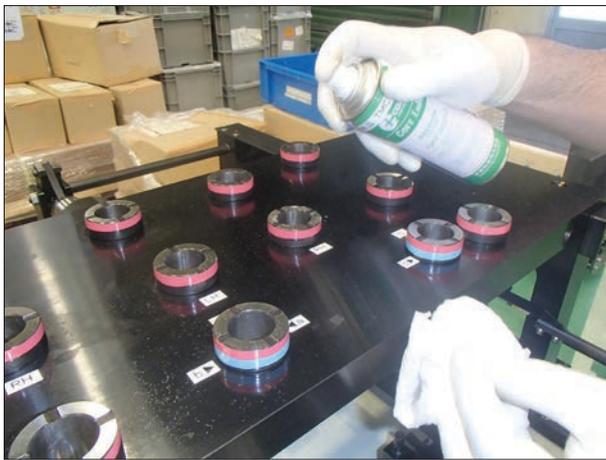


VpCI® METALWORKING PRODUCTS



CASE HISTORY

Protecting Gauging Equipment from Rust During Daily Maintenance, Storage, and Overseas Export



PRODUCT

VpCI®-325
VpCI®-126 Bags
Cor-Pak® Tablets

PROBLEM

A major car manufacturer was having frequent rust problems when using LPS-1 or LPS-3 rust inhibitors on gauging equipment in their domestic and overseas factories. This problem resulted in maintenance costs and remake lead time. The manufacturer even had to spend tens of thousands of dollars to send workers to remove rust on gauging equipment in a factory overseas.

DATE

October 2019

CUSTOMER

World's Largest Car Manufacturer

CORTEC® REPRESENTATIVE

NEXUS CT with Ryowa Corporation

LOCATION

Japan

APPLICATION

The automaker tested VpCI®-325 as a potential replacement. It passed 30 days in the submergence test, 14 days in the outdoor revelation test, 14 days in the finger touch test, and two months of sample testing in use on the operating line. Lubrication performance was also tested and found to improve. In sharp contrast, LPS-1 passed only 5 days in the submergence test and did not prevent rust in the outdoor revelation test or the finger touch test.

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For additional protection of gauging equipment that is sent overseas, the automaker evaluated the performance of VpCI®-126 Bags and Cor-Pak® Tablets in a temperature and humidity testing chamber. The two products will be used as needed to reinforce the protection of VpCI®-325. For example, jigs with a complicated design will have a Cor-Pak® Tablet inserted into the VpCI®-126 Bag in which they are packaged as extra insurance against corrosion during overseas shipment.

CONCLUSION

A decrease in rust was reported after using VpCI®-325. The customer has finished the specification test, changing the registration and usage guide, and has been instructing group companies and jig processing companies to switch rust prevention products immediately. By the end of 2020, all gauging equipment rust prevention will be converted worldwide to these three Cortec® products.



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