



APPLICATION FOCUS

Who

Major US auto manufacturer

What

Corrosion management for cast parts

Why

Reduce rust problems on contaminated parts that cannot be oiled

How

Switched to **Zerust ActivPak** with **Zerust VCI Film** packaging, eliminating corrosion on rust-prone parts

Zerust® ActivPak® Controls Rust in Challenging Production and Shipping Environments

A large US auto manufacturer was plagued by autoparts arriving to assembly facilities corroded. To add to the challenge, the parts had to be packed hot which created condensation. The manufacturer could not use oils and the parts had a storage period prior to use. The Zerust team of corrosion technicians were invited to diagnose the problem and create a packaging solution.

The Solution

Zerust engineers discovered that contaminants from the casting process were on the parts. Zerust recommended using sturdy reusable totes instead of wooden pallets, lined with Zerust VCI poly bags. To combat contaminants and flash-corrosion, Zerust ActivPak VCI diffuser packets were dispersed throughout the container. This packaging system provided immediate and long-term corrosion protection. The new packaging design solved corrosion issues and greatly reduced costs associated with rework and scrap.

Use For:



Zerust ActivPak in outer packaging



Zerust ActivPak sachet



Crankshafts packed in reusable totes lined with Zerust VCI Bags. Zerust ActivPaks are dropped in for fast-acting protection.



Cast steel automotive parts arrive in Mexico clean and free of corrosion.

The automaker saved over 100,000 dollars in rework and scrap costs!

Zerust®

Technology that protects metal from corrosion.



ZERUST® CORROSION SOLUTIONS

VCI Kraft Packaging Paper ICT®400 Series

Acid-free, pH neutral, smooth and non-flaking corrosion inhibiting paper and poly paper offer short-term corrosion protection for metal parts. Most paper products are recyclable.*



VCI Packaging Films ICT500 Series

Our most widely used series of products. A variety of films offer short or long-term corrosion protection for parts and equipment during storage or shipment. Most film products are recyclable.*



Rust Removers and Cleaners ICT600 Series

Highly effective rust removers for light to severe rust removal. All ICT600 series rust removers are non-toxic, non-hazardous and non-corrosive.

Liquid Additives and Coatings ICT700 Series

Temporary corrosion protection for parts in-between production processes, during storage, or for added protection to the ICT 500 series products during ocean shipments.

VCI Vapor Diffusers ICT800 Series

Self-contained, portable capsules and products that diffuse Zerust ICT chemicals to protect metals within enclosures, such as tool boxes, electrical boxes, etc.

*Consult your Zerust representative and federal, state and local regulations.

**For more information
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