

▶ Application Focus

Who

Major diesel engine manufacturer

What

Corrosion protection for long-term bunkering of spare engines

Why

Protection for surplus engines for 2-plus years

How

Applied Zerust VCI Bags and ActivPak VCI Diffusers to protect 2,000 engines for over 5 years without rust



Zerust VCI Bags with ActivPak VCI Diffusers

Zerust® Designs An Engine Bunkering System to Protect from Corrosion in A Challenging Environment

A major agricultural machinery and diesel engine manufacturer approached Zerust® with a storage challenge. They had purposely produced a surplus of engines to meet anticipated demand. They required the engines be stored rust-free for at least two years until they were needed for their long-term production use.

Over 2,000 engines were to be stored in a non-climate controlled warehouse where the temperature and humidity varied. They were concerned this environment would cause rust. The storage location and ultimate destination of the engines were also located in two different countries to add to the complexity of the project.

Zerust worked in strategic partnership with their existing packaging distributor as the key provider of corrosion inhibitor packaging and expertise. Zerust designed an extremely effective packaging configuration that exceeded customer requirements. A Zerust VCI Gusset Bag with a Zerust ActivPak® VCI diffuser inserted inside tied off with a cable tie was the final solution. The customer set up an inspection schedule and replenished the ActivPak packets yearly. Engines remaining in the storage program 5-years later were still corrosion free.

The knowledge and experience of Zerust allowed them to work quickly and efficiently. Zerust was familiar with the requirements of packaging large engines. Working with the customer's preferred supplier and Zerust products that had been tested and passed effectiveness and safety requirements and were listed on the customer's national and international approval lists. Making roll out of the bunkering program seamless and a success for everyone involved.

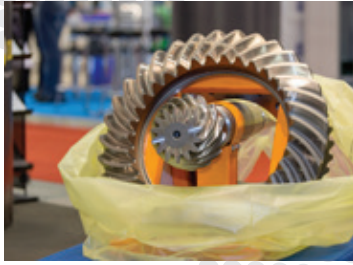
Engine Bunkering Program



2,000 Engines were stored corrosion free for years in a packaging design of a Zerust VCI Bag and an ActivPak pouch that is periodically replaced per maintenance program.

Proven Results

The protection system met and exceeded requirements. Over 5 years later the stored engines are corrosion free and ready for use as needed.



Zerust®/Excor® Corrosion Solutions

VCI Kraft Packaging Papers 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. ICT600 series rust removers and cleaners offer a range of easy-to-use solutions.

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, and electrical boxes, etc.

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

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