

# Zerust® Case Study > > >

SOLUTIONS FOR EVERY APPLICATION

Expert Rust Removal & Cleaning Solutions

## Rust Removal and Cleaning Services

### BACKGROUND

An OEM Service & Parts Organization needed to distribute 40,000 sensors crucial to the operation of equipment they sold over the last 10 years as part of their warranty coverage. These parts have been in their inventory for some amount of time and are no longer produced. (Photo A).

### PROBLEM

When samples of these sensors were inspected before shipment, the sensors were found to have black copper oxidation on exposed areas of the gold plated contact leads (see photos B and C). All 40,000 sensors were deemed unusable for their purpose and no replacement was found.

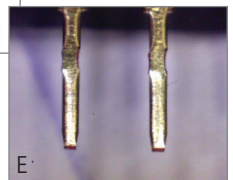
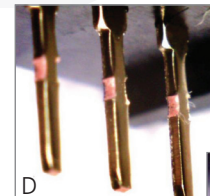
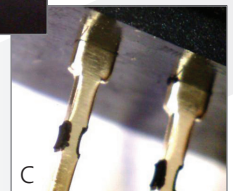
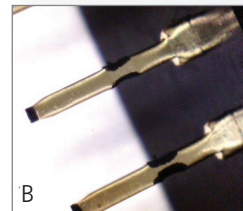
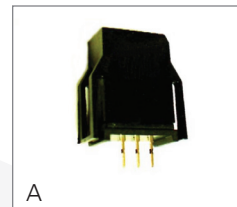
### SOLUTION

OEM contacted Zerust®Excor® to perform the cleaning service. Zerust®Excor® was able to remove the copper oxide formation without damaging the gold plating or the encased component (Photos D and E).

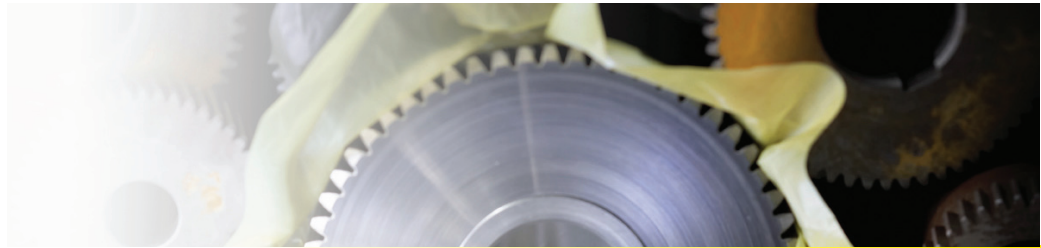
### RESULT

The cleaned sensors were packed in Zerust® ICT®520-CB1 anti-tarnish material to prevent further copper oxidation. (Photo G)

## Case Photos



G



## OTHER PRODUCTS AVAILABLE

### *ICT® 400 Series: Packaging Paper*

Acid-free, pH neutral corrosion inhibiting paper and poly paper offer short-term corrosion protection for metal parts.

### *ICT® 500 Series: Packaging Films*

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 Zerust® paper and film products are recyclable.  
Please consult your Zerust® Representative and Federal,  
State and Local Regulations.

### *ICT® 600 Series: Rust Removers*

Highly effective rust removers for light to severe rust removal. All ICT®600 series rust removers are non-toxic, non-hazardous & non-corrosive.

### *ICT® 700 Series: Liquid Additives and Coatings*

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

### *ICT® 800 Series: Diffusers*

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

**For more information about the various products listed above, please visit [www.zerust.com](http://www.zerust.com) or contact us at +1 (763) 225-6600.**



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