



ARMOR SUCCESS STORY

Customer: Ford Motor Company

Type of industry: Transmission and Transmission Components

Previous RP Method: In 2002 and 2003, the Ford plant received numerous customer complaints of corrosion on hubs. During this period, a competitor's VCI bag was used as a bin-liner to ship parts from Ford to its customers.

Problem: Conducted testing to isolate variables and found that the warm parts placed inside the container and competitive VCI bag created a "greenhouse effect" which resulted in moisture in the container and eventually rust on the hubs. The "cost" of these complaints and the de-rusting efforts to resolve them exceeded, on average, \$125,000 per year, not including transportation, re-work, administrative costs or cost incurred by their customers in handling and managing returns. Obviously, this method was not working.

Metal-Part(s) Involved: Steel transmission hubs

Solution: ARMOR recommended several process changes in the plant including a brief cool down time before closing the bags. In addition, Ford placed large sheets of ARMOR WRAP® 30R Paper as interleaving between several layers of hubs. An ARMOR POLY® VCI Bag was used to line the cages and this combination proved successful in eliminating the rust.

Cost Savings: In excess of \$125,000/year

ARMOR Product(s): ARMOR POLY® Bag and ARMOR WRAP® Paper 30R

ARMOR Rep: David Yancho



Rust Prior to ARMOR's Solution



ARMOR WRAP® 30R and ARMOR POLY® Bag