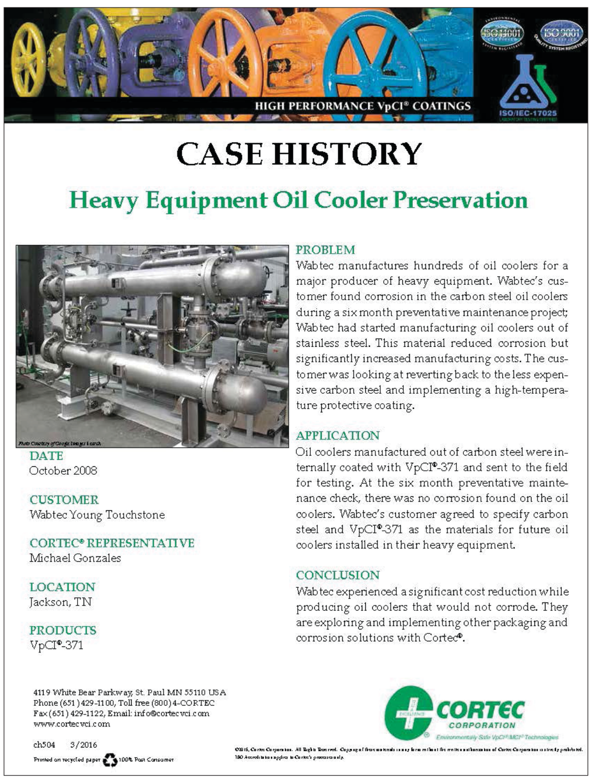
MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

CASE HISTORY SPOTLIGHT

Case History #504: High-Temp Coating for Oil Cooler Corrosion



HIGH PERFORMANCE VpCI® COATINGS

CASE HISTORY

Heavy Equipment Oil Cooler Preservation

Photo Courtesy of Google Images Search

PROBLEM
Wabtec manufactures hundreds of oil coolers for a major producer of heavy equipment. Wabtec's customer found corrosion in the carbon steel oil coolers during a six month preventative maintenance project; Wabtec had started manufacturing oil coolers out of stainless steel. This material reduced corrosion but significantly increased manufacturing costs. The customer was looking at reverting back to the less expensive carbon steel and implementing a high-temperature protective coating.

APPLICATION
Oil coolers manufactured out of carbon steel were internally coated with VpCI®-371 and sent to the field for testing. At the six month preventative maintenance check, there was no corrosion found on the oil coolers. Wabtec's customer agreed to specify carbon steel and VpCI®-371 as the materials for future oil coolers installed in their heavy equipment.

CONCLUSION
Wabtec experienced a significant cost reduction while producing oil coolers that would not corrode. They are exploring and implementing other packaging and corrosion solutions with Cortec®.

DATE
October 2008

CUSTOMER
Wabtec Young Touchstone

CORTEC® REPRESENTATIVE
Michael Gonzales

LOCATION
Jackson, TN

PRODUCTS
VpCI®-371

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com

ch504 3/2016

Printed on recycled paper 100% Post Consumer

A heavy equipment producer found corrosion inside carbon steel oil coolers during a six-month preventative maintenance check. The cooler manufacturer was able to reduce corrosion by switching to stainless steel but found that this significantly increased manufacturing costs. They decided to see if they could revert to carbon steel by internally coating the coolers with a high-temperature protective coating: VpCI®-371.

The new coated coolers were sent off for testing, and no corrosion was found at the six-month preventative maintenance check. The heavy equipment producer therefore agreed to specify VpCI®-371 and carbon steel for use in future oil coolers, helping the cooler manufacturer significantly reduce costs while providing the corrosion protection required.

Read the full case history here:
https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch504.pdf

4119 White Bear Parkway, St. Paul MN 55110 USA
Phone (651)429-1100, Toll free (800) 4-CORTEC
Fax (651) 429-1122, Email: info@cortecvci.com
www.cortecvci.com

CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies