

ATION
USA
FILM
IBITOR-PATENT
INHIBITOR



HIGH PERFORMANCE VpCI® PACKAGING

CASE HISTORY

Preservation of Brake Adaptors for International Export



DATE

May 2009

CUSTOMER

MM Forgings Liited

CORTEC® REPRESENTATIVE

Cortec® Corrosion Solutions India Pvt Ltd

DISTRIBUTOR

Siva Technical Services Pvt. Ltd.

LOCATION

Chennai, India

PRODUCTS

VpCI®-126 Blue

VpCI®-377



PROBLEM

MM Forgings forges auto components that it exports to the USA. The company needed to protect export brake adaptors for six months, including 45 days at sea. An oil-based solution was not acceptable due to the possibility of contaminating the end user's oil system. It was also important not to leave any stains on the metal, as the parts would go directly into assembly.



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

www.cortecvci.com

APPLICATION

For the initial trial, the customer adopted the use of VpCI®-377 applied to the parts at 1:7 dilution. The parts were dried by air circulation, and then packed in competitor VCI bags. By the time the brake adaptors were received at Meritor in the USA, 20-25% of the parts were visibly corroded. Because of this, the customer continued to dip the parts in VpCI®-377 but started packing them in corrugated boxes lined with five-sided flat VpCI®-126 Blue bags. After this change, the parts arrived at Meritor with absolutely no trace of corrosion.

CONCLUSION

The customer was fully satisfied with the performance and cost and implemented use of the Cortec® products as part of a detailed standard operating procedure for export of brake adaptors.

