



HIGH PERFORMANCE VpCI® PACKAGING

CASE HISTORY SPOTLIGHT

Case History #682: Major Automaker Trials Eco-Corr Film®



CASE HISTORY
Pilot Trial of Eco-Corr Film® for Major Global Automaker

PROBLEM
In keeping with their goal of ongoing environmental improvement, a subsidiary of one of the three largest automakers in the world began looking for a biodegradable packaging substitute to reduce the amount of conventional plastic packaging they use.

APPLICATION
The customer decided to test the corrosion protection ability of Eco-Corr Film® in the shipment of engines from Europe to Pune, India, by ocean freight. After the parts arrived at their destination, the Eco-Corr Film® was disposed along with other biowaste in specially built compost bins at the Pune plant.

CONCLUSION
No corrosion was found on the components after overseas shipment from Europe to India, indicating that Eco-Corr Film® had provided excellent vapor-phase and contact corrosion protection. Furthermore, the customer found that the Eco-Corr Film® had largely biodegraded in the compost bins by the end of six months, helping them to eliminate plastic waste. Among other things, the resulting compost is intended for use as fertilizer on the trees in the logistics park in front of the Pune plant, where, starting in March 2019, visitors and employees have had the opportunity to plant trees in order to rejuvenate the weedy area into a park.

DATE
2020

CORTEC® REPRESENTATIVE
Tart

CUSTOMER
Major Automaker

LOCATION
Czech Republic

PRODUCT
Eco-Corr Film®

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Recently, the subsidiary of one of the world's three largest automakers did a trial run with Eco-Corr Film® to see if it could replace conventional plastic packaging. They used the compostable film (compliant to ASTM D6400) to ship engines by ocean freight from Europe to Pune, India.

No corrosion was found on the parts, and, following use, the Eco-Corr Film® was placed (along with other biowaste) in specially built compost bins at the receiving plant. The film had largely broken down after six months, helping them eliminate plastic waste. The plan is to use some of the compost on trees that visitors and employees have the chance to plant in the logistics park outside the receiving facility.

The successful trial opens the door to potentially eliminating half of the conventional plastic packaging for shipments to Pune (as much as 500 kg [1102 lbs] per month). In July 2020, the company started a one-year trial to investigate use of Eco-Corr Film® on a large scale.

To read the full case history, please visit: https://www.corteccehistories.com/?s2member_file_download=access-s2member-level1/ch682.pdf

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