

MICHIGAN STATE
UNIVERSITY

September 2, 2003

Pratt Industries (USA)
Attn: Jamie Waltermire
2000 Beverly S.W.
Grand Rapids, MI 49508-1798

Dear Jamie,

The School of Packaging at Michigan State University was asked to conduct a corrosion test on brake rotors for an automotive parts manufacturing company. The test criteria consisted of storing the brakes in a conditioned humidity chamber for 30 days at 37 degrees C + or - 2 degrees C, and at 85% RH + or - 2%. The parts were packaged in three separate applications: 1.) control box - no protection 2.) RustBan 105 3.) Cortec. The rotors were packaged one rotor per box and two boxes per application.

The rotors packaged in the control boxes had surface corrosion (surface pitting) on both the top and bottom sides of the rotors. The rotors packaged in the RustBan 105 boxes had surface corrosion on the bottom area of the rotors in the non-contact area. The rotor surface in contact with the box had less visual corrosion (surface pitting). The rotors packaged in the Cortec boxes had less visual corrosion on both the top and bottom areas of the rotors.

In conclusion, these tests demonstrated a qualitative improvement in comparing the Cortec coated product to the RustBan 105 coated product during our test procedure. Please feel free to contact me if you have any questions.

Sincerely,



Bruce R. Harte, Ph.D.
Professor



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