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Evaluating VpCI-126 Film Effectiveness on Parts

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Project #: 11-223-1125(bis)

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Background: Four boxes of parts were sent from customer. They would like the

corrosion inhibiting properties of VpCI-126 evaluated in elevated heat

and humidity conditions.

Sample Received: Four boxes of parts

Method: ASTM D-1748 (120°F, 95% relative humidity)

Materials: Four boxes of parts

VpCI-126 Blue Film

Procedure: The following procedure was used:

1) Four boxes (two large, two small) of parts arrived packaged and ready for testing.

- a. VpCI-126 Blue Film was used to package parts in two of the boxes (one large, one small).
- b. Parts in the other two boxes had no further packaging used.
- 2) Boxes were placed into ASTM D-1748 humidity cabinet as received, per customer request.
- 3) After 360 hours, boxes were removed from ASTM D-1748 humidity cabinet.
- 4) Boxes were opened and parts inside were visually inspected and photographed.

Results: Discussed in Interpretations section below.

Photos: See below.

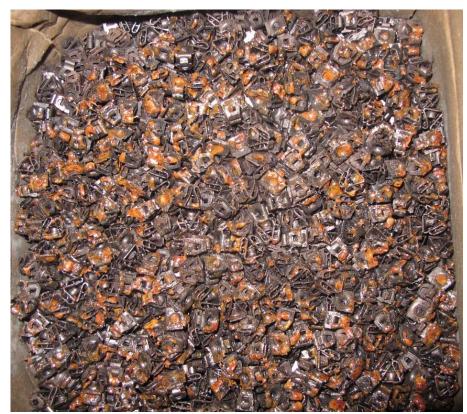


Figure 1: Small box of parts (unprotected), after 360 hours of testing.



Figure 2: Large box of parts (unprotected) after 360 hours of testing.



Figure 3: Small box of parts, wrapped in VpCI-126, after 360 hours of testing.



Figure 4: Large box of parts, wrapped in VpCI-126, after 360 hours of testing.

Interpretations:

VpCI-126 provided excellent corrosion protection on parts from customer. Parts inside the unprotected boxes showed significant corrosion after 360 hours, while the VpCI packaged parts were corrosion free.