Evaluating VpCI-126 Film Effectiveness on Parts

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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.