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Comparing Rust Preventives for Customer

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Project #: 10-216-1825(bis)

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Date: December 10, 2010

Background: Four blades were sent to Cortec for evaluation. Customer would like the rust protection of a FUCHS product evaluated and compared to similar Cortec products.

Sample Received: Four carbon steel lawn mower blades
FUCHS Anticorit SV 50276 X liquid

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

Materials: Four lawn mower blades
FUCHS Anticorit SV 50276 X
VpCI-368D
VpCI-391
EcoLine 3690

Procedure: The following procedure was used:

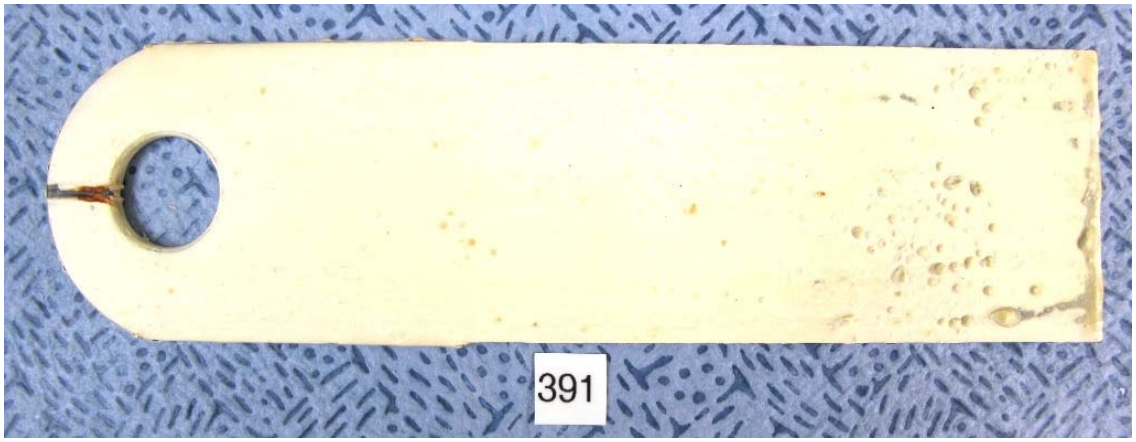
1) Prior to testing, all blades were cleaned with methanol.
2) After cleaning, blades were dipped in one of the following:
    a. Anticorit SV 50276 X
    b. VpCI-368D
    c. VpCI-391
    d. EcoLine 3690
3) After dipping, all blades were hung to drip dry overnight.
4) All blades were then hung in ASTM D-1748 humidity cabinet.
5) Blades were visually inspected periodically.
6) After 1008 hours, all blades were removed from ASTM D-1748 humidity cabinet.
7) All blades were visually inspected and photographed.

Results: The following results were found:

Product	Time to Failure
Anticorit SV 50276 X	864
VpCI-368D	864
VpCI-391	912
EcoLine 3690	DNF*

DNF – Did not fail during 1008 hours of ASTM D-1748 testing.

Photos:



Interpretations: Of the four products tested, EcoLine 3690 provided the best corrosion protection in ASTM D-1748 humidity cabinet conditions. The remaining three products also provided excellent protection.