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Comparing AntiCorit SL 7017D with VpCI-369D and Ecoline 3690

To: Customer

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Project #: 17-211-1525.bis

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Background: The customer has been using Fuchs AntiCorit SL 7017D as a rust preventative for several years. Because the Fuchs AntiCorit product is a solvent based rust preventative, Cortec has offered VpCI-369D and Ecoline 3690 as more friendly oil-based and bio-based rust preventative options. Testing was requested to evaluate the corrosion protection offered by VpCI-369D and Ecoline 3690 as compared to Fuchs AntiCorit 7017D.

Sample Received: ~200ml of AntiCorit SL 7017D, received on 10-24-17 in good condition.

Method: Salt Fog Testing, ASTM B117

Materials: Salt Spray Chamber (Singleton, model #22)
Morton TFC Purex® Salt (lot # 10CD6088)
Carbon Steel panels, SAE 1010
Methanol, ACS grade (lot #032916C)
VpCI-369D 1:3 (batch #131317)
Ecoline 3690 (batch #049017)
Kimwipes

Procedure: The following procedure was followed for the Salt Fog Testing:

1. Carbon steel panels were first cleaned with methanol and then dried using Kimwipes.
2. The panels were then coated with the products to be tested, and allowed to drip/dry for 2 hours.
3. The panels were then placed in the salt fog chamber, and tested until failure.
4. After 64 hours of testing, the panels were taken out of the chamber, rinsed with tap water, hung to dry, and then photographed.

Results: The following results were found:

| Sample | Time to Failure |
|--------------------|-----------------|
| AntiCorit SL 7017D | 18 hours |
| VpCI-369D 1:3 | Did not fail |
| Ecoline 3690 | Did not fail |

Photo after 22 hours of Salt Fog Testing:



AntiCorit SL 7017D

Photos after 64 hours of Salt Fog Testing:



AntiCorit SL 7017D



Ecoline 3690



VpCI-369D 1:3

Interpretations:

According to the results of the salt fog testing, Cortec's VpCI-369D 1:3 and Ecoline 3690 provide better corrosion protection than Fuchs AntiCorit SL 7017D.