



• 4119 White Bear Parkway, St. Paul, MN 55110 USA
• Phone: (651) 429-1100, Fax: (651) 429-1122
• Toll Free: (800) 4-CORTEC, E-mail: info@cortecvci.com
cortecvci.com • corteclaboratories.com

Evaluating Rust Preventive Liquids for Customer

From: Cortec Corporation Laboratories
4119 White Bear Parkway
St. Paul, MN 55110

cc: Boris Miksic
Anna Vignetti
Cliff Cracauer
Bob Boyle
Mike Morin
Ashlee Meints

Project #: 12-136-1525(bis)

Test conducted by:

Eric Uutala
Technical Service Engineer

Approved by:

Margarita Kharshan
Laboratory Director

Date: July 31, 2012



Background: Customer sent two rust preventive liquids to Cortec for evaluation. The rust protection properties of these products will be tested and compared to similar Cortec products.

Sample Received: CRC 3-36 aerosol
CRC SP-400 aerosol

Method: ASTM B-117 Salt Fog

Materials: CRC 3-36 aerosol
CRC SP-400 aerosol
CorShield VpCI-368 aerosol
CorShield VpCI-369 aerosol
1010 cold rolled carbon steel test panels
Laboratory grade methanol

Procedure: The following procedure was used:

- 1) Four carbon steel panels were cleaned with methanol prior to testing.
- 2) After cleaning, the panels were sprayed with one of following:
 - a. CRC 3-36
 - b. CRC SP-400
 - c. Corshield VpCI-368
 - d. Corshield VpCI-369
- 3) After spraying, panels were allowed to air dry overnight.
- 4) All panels were then placed in ASTM B-117 salt fog cabinet.
- 5) All panels were visually inspected periodically.
- 6) After 600 hours, all panels were removed from ASTM B-117 salt fog cabinet.
- 7) Panels were visually inspected and photographed.

Results: The following results were found:

Treatment	Time to Corrosion (Hours)
CRC 3-36	48
CRC SP-400	336
Corshield VpCI-368	336
Corshield VpCI-369	600

Photos: See below.



Interpretations: Of the four products tested in ASTM B-117 salt fog, VpCI-369 provided the best corrosion protection. VpCI-368 and CRC SP-400 provided equal protection.