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***Evaluating the Vapor Phase Corrosion Protection of VpCI-706
Compared to a Product Currently Used by Customer***

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Project #: 16-276-1325.bis

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Background: Customer fabricates diesel fuel tanks for heavy equipment OEMs. Recently, these users have been experiencing corrosion issues on fabricated tanks during periods of storage. Customer sent a sample of their current corrosion protection product, Benz Oil Protecto Kote 150, to Cortec Laboratories. It was evaluated and compared to Cortec VpCI-706, using VIA (vapor inhibiting ability) testing.

VpCI-706 was developed specifically for providing corrosion protection to fuel tanks during shipment and storage, where they may be empty or only partially filled with fuel.

Sample Received: Benz Oil Protecto Kote 150, 1 L, received in good condition

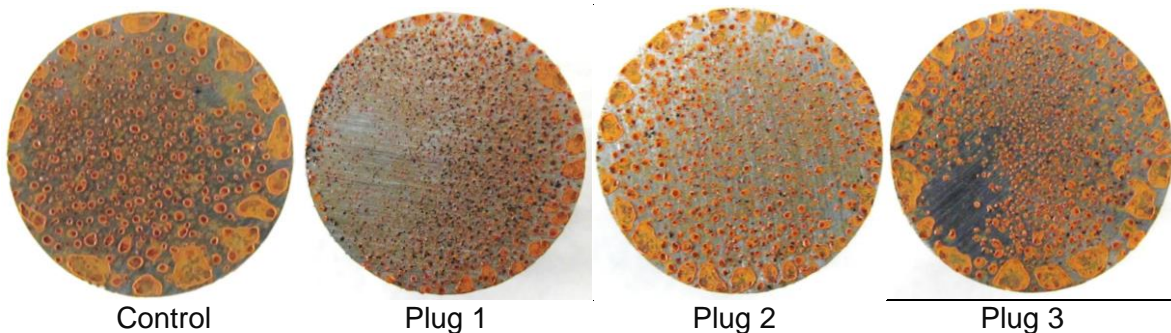
Method: VIA Test, CC-027

Materials: VpCI-706, lot 90117
VIA test kit

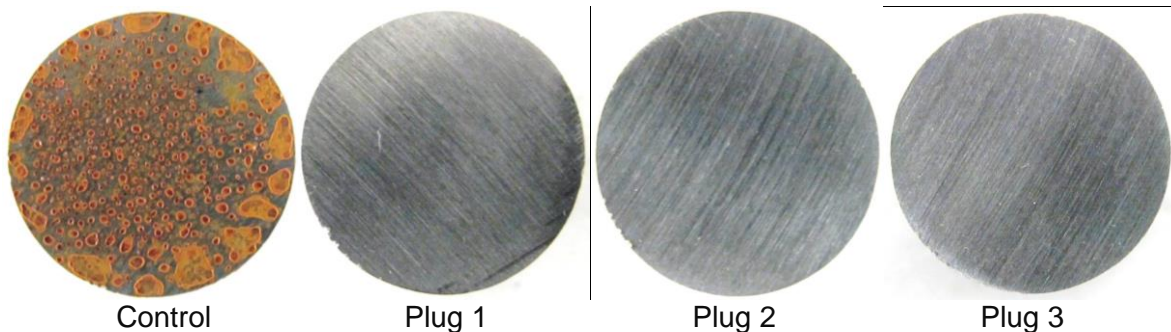
Procedure: VIA testing was performed according to its standard procedure.

Results:

VIA Test Results, Protecto Kote 150


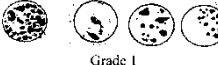

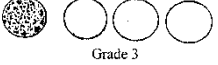


VIA Test Results, VpCI-706



VIA Test Grading

All three plugs must be grade 2 or better to pass the test

| | | |
|----------|--|--|
| Grade 0: | Blind test No corrosion inhibiting effect |  |
| Grade 1: | Blind test Minute corrosion inhibiting effect |  |
| Grade 2: | Blind test Medium corrosion inhibiting effect |  |
| Grade 3: | Blind test Good corrosion inhibiting effect |  |

Interpretations: The goal of this project was to evaluate the vapor phase corrosion efficacy of two products, to find an effective method of protecting empty or partially empty fuel tanks during shipment and storage. VIA testing was chosen, as it evaluates the ability of a corrosion inhibitor to protect a metal surface while not being in contact with the metal.

Protecto Kote 150 does not offer any vapor phase corrosion protection, according to VIA test results. Conversely, VpCI-706 provides excellent vapor phase corrosion protection. VpCI-706 is also compatible with diesel and bio-diesel fuel, which allows the end user to add fuel directly to the preserved tank, without needing to clean or flush prior to use.