

VpCI-340 CLP vs. Competitors' Products

Background: The main application of the Cortec VpCI-340 CLP is cleaning, lubrication and preservation (CLP) of the arms. At the same time there are many other products on the market for the same purpose.

Purpose: To compare the effectiveness of the corrosion protection provided by VpCI-340 CLP vs. 'Break-Free CLP' and Aeroshell Fluid 634-CLP.

Materials: VpCI-340 CLP;
 Aeroshell Fluid 634-CLP, manufactured by Shell International;
 Break-Free CLP, distributed by Break-Free Inc.
 Panels (Carbon Steel SAE 1010);
 Methanol, lab grade

Method: ASTM B 117 (Salt Spray Cabinet)

Procedure: Panels were washed with Methanol and air dried. Oils were applied onto the panels and panels were left for drying overnight. After that panels were placed into Salt Spray cabinet for 2 days. After that the test panels were visually inspected and photos were taken.

Results: The following results were found:

ASTM B 117

Material	VpCI-340 CLP	Aeroshell 634 CLP	Break-Free CLP
Corroded surface (%)	No corrosion	70	85





Conclusion:

According to the test results Cortec VpCI-340CLP provides much better corrosion protection to carbon steel than competitor products "Break-Free CLP" and Aeroshell Fluid 634-CLP.

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Estimated Cost of Project: 2 Hour

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