

ENVIRONMENTAL 15014001 SYSTEM REGISTERED



•	4119 White Bear P Phone: (651) 429- Toll Free: (800) 4-(cortecvci.com • cor	N 55110 USA 29-1122 fo@cortecvci.com 1	
			Evaluating Rust Preventives
•	From:	Cortec Corp 4119 White St.Paul, MN	poration Laboratories Bear Parkway \$ 55110
	cc:	Boris Miksi Anna Vigne Cliff Cracat Bob Boyle	c etti uer
	Project	#: 11-xx	X-XXXX
•	Test cor	nducted by:	Eric Uutala Technical Service Engineer
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SOSTIANTAL	Date:	May 24, 20	11
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Sample Received:	Six scrap metal pieces Chemetall Permatreat 438 CRC 3-36 liquid			
Method:	ASTM D-1735 Water Fog (100°F, ~95% relative humidity)			
Materials:	Six scrap metal pieces Chemetall Permatreat 438 CRC 3-36 BioCorr VpCI-418LM Plain polyethylene (PE) bags			
Procedure:	 The following procedure was used: Prior to testing, all parts were cleaned with methanol. After cleaning, parts were prepared as follows: a. Control (no further preparation) b. Dipped in Chemetall Permatreat 438 (neat) c. Dipped in CRC 3-36 (neat) d. Dipped in BioCorr e. Dipped in VpCI-418LM (10% concentration) f. Dipped in VpCI-418LM (15% concentration) After dipping, all parts were allowed to air dry overnight. All parts were then packaged in plain PE Ziploc bags. After packaging, all parts were placed in ASTM D-1735 water fog cabinet. All parts were visually inspected periodically. After 400 hours, all parts were removed from ASTM D-1735 water fog cabinet. All parts were unpackaged, visually inspected and photographed. 			
Results:	The following results were found:			
	Dust Dusyonting Time to Compasion (Hound)			

Rust Preventive	Time to Corrosion (Hours)
None (control)	<24
Chemetall 438	120
CRC 3-36	336
BioCorr	400
VpCI-418LM (10%)	120
VpCI-418LM (15%)	192

Photos:





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