

Motor Repair Shop Name or Logo here

SHAFT VOLTAGE TESTING REPORT

TEST DATE: 00/00/0000

Prepared for: ABC Corporation
123 Industrial Circle
Memphis, TN 38118

Report by: Name
Email Address: email
Date: 00/00/0000

Shaft Voltage Testing Report

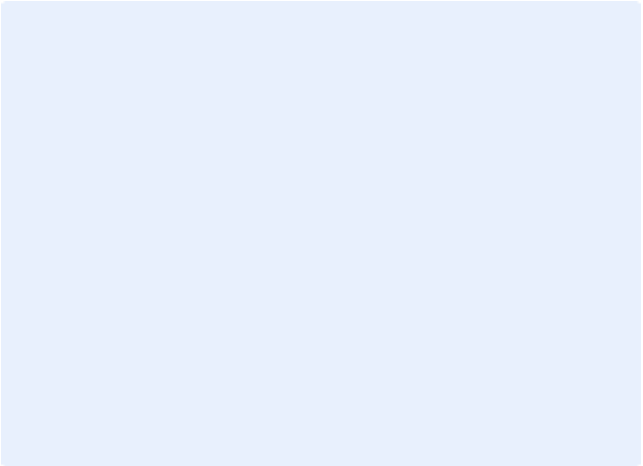
Background:

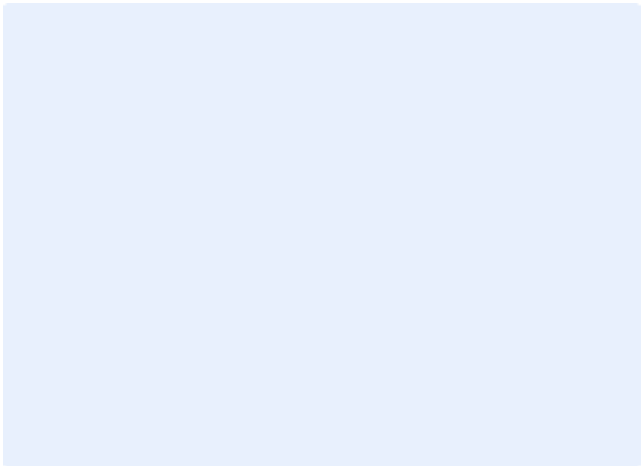
Purpose: To test for VFD induced shaft voltages

Test Equipment: AEGIS® Shaft Voltage Tester™, 100 MHz, 1 GSa/s with SVP conductive microfiber probe tips

Test Procedure:

Test Results

Reading 1 Parameters	Motor & Drive	
	RPM	
	AEGIS® Ring Installed?	No
	AEGIS® Simulator Applied?	No
<p>Observation:</p> <p>NO AEGIS® Ring</p> <p>Waveform shows common mode voltage from the PWM drive. Voltage is capacitively coupled to the motor shaft.</p> <p>Shaft voltage may cause EDM discharges in the motor bearings and potential for catastrophic motor failure.</p>		

Reading 2 Parameters	Motor & Drive	
	RPM	
	AEGIS® Ring Installed?	
	AEGIS® Simulator Applied?	
<p>Observation:</p> <p>WITH AEGIS® Technology</p> <p>Shaft voltage is discharged to ground through the AEGIS® conductive microfibers. Bearing is protected from EDM damage.</p>		

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Summary: **With NO AEGIS® technology, shaft voltages indicate potential for bearing discharges and EDM (electrical discharge machining) damage in the bearings.**

With AEGIS® technology, shaft voltage is significantly decreased and shaft voltages discharge to ground through the AEGIS® ring.

Recommendation: To protect bearings from destructive shaft voltages, all VFD driven AC motors should incorporate AEGIS® shaft grounding as a standard. Refer to AEGIS® Bearing Protection Handbook for Best Practices.

*AEGIS® Bearing Protection Rings are **Manufactured in the USA***

For more information please contact:

name

address