

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

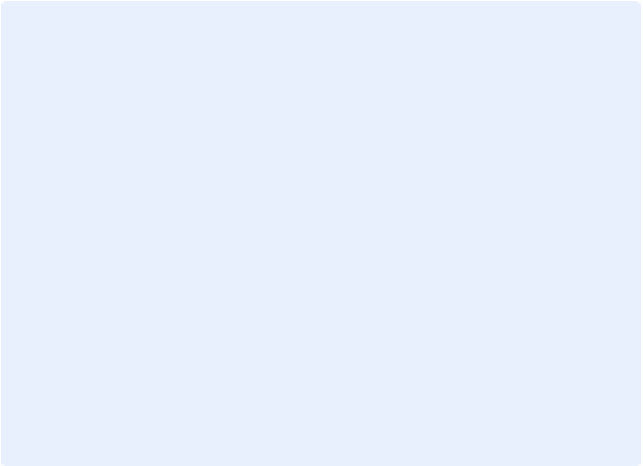
Background:

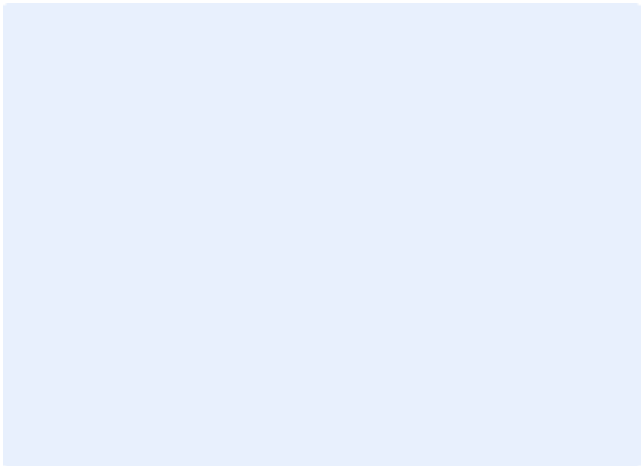
Purpose: To test for VFD induced shaft voltages

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
Observation: NO AEGIS® Ring Waveform shows common mode voltage from the PWM drive. Voltage is capacitively coupled to the motor shaft. Shaft voltage may cause EDM discharges in the motor bearings and potential for catastrophic motor failure.			

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

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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