



# Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

**March 10, 2008**

## EMAX Testing on Multiple Conductor Motors Part Two

Part One of this topic (February 11, 2008), mentioned the need for using ALL conductors when measuring the current through multiple conductor motor circuits. Although that is still the rule when performing routine tests, occasionally, or when troubleshooting, it is good to test the individual conductors to quantify the different current amplitudes. Generally, the currents, although always different in amplitude, should be fairly close. An extremely high differential could indicate a circuit issue such as a high resistance connection. Correlating with MCE tests can help point out the specific problematic point.

Click here to read Part One of [Emax Testing on Multiple Conductor Motors](#).

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You are invited to submit an Electric Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it! Contact Lou at 813-621-6463 ext. 126 or [lou@pdma.com](mailto:lou@pdma.com).

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