



## Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

April 16, 2007

### Using Current and Impedance Imbalance to Identify Stator Anomalies

Elevated current and impedance imbalance values can be indicative of load, power circuit, or stator anomalies. Field experience has shown that in a loaded condition, if the current and impedance imbalance values are similar but high that a power circuit anomaly is likely the cause. However, if the impedance imbalance is substantially higher than current imbalance, a stator anomaly becomes the primary concern. For an example of this type of anomaly go to:

<http://www.pdma.com/PDF/CS0401.PDF>

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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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