



Tip Of The Week

May 28, 2012

Check Your Current Probes Before Testing!!!

When performing Motor Current Signature Analysis you must verify that you are using the correct probes for the application, verify the software being used has the proper probe settings, and verify the probes are in the proper setting and direction. One component of test data to look at when analyzing current signature is current imbalance. Depending on the trend characteristics and load level, an increasing current imbalance on any of the phases may indicate early stages of stator problems such as: Improper Stator Winding, Shorted Stator Turns, Shorted Stator Laminations, or High Resistance winding connections. When this occurs, a closer inspection of the motor history may be necessary along with additional off line test data to determine the severity.

For more information on available current probes contact PdMA.

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.

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