



A Leader in Electric Motor Testing

Tip Of The Week

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Check the Probes

Current imbalance on a three phase squirrel cage induction motor can and will occur for a variety of reasons. Stator winding defects, power circuit high resistance connections, and transformer power quality issues are examples of fault related sources of a current imbalance. However, low loading during routine operation is a non fault related reason for a current imbalance. Don't forget your test equipment. Sometimes the current probes we are using can be the culprit. But before you enter an exhaustive probe switching cable switching troubleshooting effort follow this tip.

Place all three current probes on one phase and take a power test. In 0.17 seconds you will know for sure whether or not the current probes are operating properly.

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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