



## Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

August 20, 2007

### What Causes Inductive Imbalance in Wound Rotor Motors?

Although shorted turns in the stator windings can be a source of a high imbalance, inductive imbalance seen on the stator windings of a wound rotor motor can often be the result of a fault in the rotor field or resistor bank. A short between two slip rings on the rotor, open resistor or shorted contact on the resistor bank are a few examples of faults that can result in high inductive imbalances on the stator windings. To learn more about test considerations and data analysis of wound rotor motors, refer to the special applications section of the MCEMAX Data Interpretation Book or visit <http://www.pdma.com/DIB.htm>

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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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