



# Tip Of The Week

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**June 18, 2012**

## High Inductive Imbalance! What Next?

Receiving a high inductive imbalance on a new or refurbished motor often results in a motor being rejected, depending on the standard acceptance criteria of the receiving facility. One thing to consider is that some of the motor shop tests or processes may result in residual magnetic flux that creates a temporary non-symmetrical inductance between the three phases. Perform a Rotor Influence Check (RIC) to isolate the source to the stator or rotor. If the rotor is determined to be the source, energize the motor and allow the rotor to warm up. Perform the RIC again. If the imbalance is gone, then the cause of the imbalance was likely a test or process at the repair shop and not a motor fault.

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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