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## Resistive Imbalance...Check Your Alarm Setpoints

Resistive imbalance has always been a key performance indicator for the health and reliability of the motor power circuit. From the beginning of MCEMAX testing, we established a minimum acceptable value for caution and alarm conditions based on the imbalance level. However, until MCEGold was released we never established a change from baseline alarm level. A change from baseline alarm becomes very important when the baseline resistive imbalance measured is so low that even a 200% increase in the imbalance does not trigger a minimum acceptable value alarm. All new motors added to your database after the addition of the new change from baseline alarm setpoints will have the new alarm. However, MCEGold will not automatically change the alarm setpoints of motors already in the database. To prevent the possibility of missing a developing power circuit anomaly it is important to establish new alarm templates, which will include the change from baseline alarms, and transfer the appropriate motors to this new alarm template. Thank goodness the MCEGold software allows for multiple motors to be transferred to the new alarm template all at the same time.

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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