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## The MCEMAX Trilogy – Part 2

To properly apply the MCEMAX technology for maximum electric motor reliability it must be utilized in three different general applications over the life of a motor. These three general applications are *Quality Control*, *Trending*, and *Troubleshooting*, and are often applied in different environments and locations throughout the electrical distribution. Last week in Part 1 we discussed Quality Control. This week we discuss Trending.

### **Trending:**

You have heard the phrase “Trend is your Friend.” Well, that is the phrase that pays. Go no further than the PdMA Technical Support department to see the impact of trending on making the right call at the right time. With trend data, decisions can be made before a problem becomes catastrophic or creates secondary damage to nearby components or materials. With trend data, discussions on refurbishment are common. Without trend data, the conversation moves to a crisis, and repair or replace is a more common theme. A good example is a rotor bar defect. Knowing the design of your rotor (open or closed bar) and seeing a trend related to a developing rotor cage anomaly can allow early intervention and rotor repair at a minor cost. Waiting until the motor sounds funny to take the first test may require a rotor and stator iron restacking and stator rewind. This non-trending approach can drastically increase the cost of motor repair and possibly result in a production loss, which could have a far larger financial impact than the repair costs of the motor.

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).