



Tip Of The Week

April 9, 2012

Quality Control - Part 3: Energized QA Testing

Some of the recommended energized tests to perform on a new/refurbished motor for QA testing include current in-rush/start-up, voltage and current imbalance, phase angle and impedance imbalance, pole-pass frequency sideband analysis, harmonics analysis, and eccentricity testing. These tests will provide a detailed quality acceptance analysis of the power circuit, stator, rotor, and air gap. Additional power testing of the distribution system in which the motor will be installed is also recommended for power quality assessment. All of these tests and more are available on the EMAX technology. For details of the fault zone analysis available from PdMA's EMAX technology go to: http://www.pdma.com/PdMA_mcemax_faultzone.php.

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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