



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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IEEE 519 and Harmonic Distortion

Limits for Total Harmonic Distortion (THD) of voltage and current are governed by the IEEE 519 standard. This standard discusses these limits and how they apply to the point of common coupling (PCC). The PCC is generally referred to as the connection point between two customers on the distribution system. Beyond the PCC, into the plant level, the current distortion limits generally do not apply and the distortion levels are often much greater than the PCC limits. However, the 5% THD limit on voltage distortion should still be applied throughout the plant due to the potential buildup to higher values as the power feeds back to the PCC.

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 Martindale at 813-621-6463 ext. 126 or lou@pdma.com.

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