
November 22, 2010

For the remainder of 2010 our Tip of the Week will consist of a true/false question presented to the Tip of the Week recipients.

Question for November 22: In a running AC induction motor, induced voltage (E_{ind}) is equal to zero. True or False.

This statement is False. If E_{ind} were equal to zero, then there would be no rotor current and no rotor magnetic field (the rotor would be turning at synchronous speed). If there is no magnetic field, the induced torque would be zero, thus, the rotor would slow down until a torque is established in the rotor. This is the basic concept of rotor slip.

If you answered incorrectly and feel you need additional training OR if you answered correctly and still feel you need additional training, we can help you. Our training department offers classes on various topics, click here (<http://www.pdma.com/PdMA-training.php>) to go to the training page. We also have a Data Interpretation Book available to help you. Contact PdMA (pdma@pdma.com) or call (813) 621-6463 for information.

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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