



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

August 25, 2008

Protect Your Equipment...and Yourself

As MCEMAX users we want to perform tests as accurately and as safely as possible. In order to do so, we must keep in mind a few things.

Before performing offline testing (MCE) verify the following is true:

- Less than 15V to ground
- Less than .5V phase-to-phase

These items sound simple enough, but, let us ask ourselves, what if we are testing a 4kV motor? Is there any possibility a high amount of voltage could still be present on the line? The answer is yes. Therefore, we must use equipment that is able to handle such voltage while verifying that the line is dead. That means that our trusty multimeter is not enough! A 1000V Voltage sensing probe (wand) is also not enough. Use caution and the proper equipment when attempting to verify the amount of voltage present on a high voltage line.

Adhere to the NFPA 70, other pertinent regulations, and your plant procedures when performing maintenance on electrical equipment.

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.