August 31, 2020

Back to the Basics

After the easing of pandemic restrictions many of us are getting back to work as quickly as possible and might be feeling a little rusty putting back on the electric motor reliability hat. The next few weeks we will re-visit some basic electric motor reliability principles and try to help you get back on your feet.

Squirrel Cage AC Induction Fault Zone Analysis-Part 1

Let's start with the power being fed to our AC Induction motors. Clean power quality is essential to efficient long-term life expectancy and as a reminder the primary product of poor power quality is excessive heating. Concerns about power quality include elevated distortion or imbalance of voltage and current signals supplying the motor. Left undetected, these issues can create elevations in winding temperatures above acceptable levels, which can lead to insulation failure or shorten the motor's lifespan. Poor power quality in the form of voltage distortion is shared equally throughout the local distribution system and can detrimentally affect other assets with sensitive power requirements.

To learn more (without leaving your office) about the Fundamentals of MCE MAX for power quality measurements visit the PdMA website at https://www.pdma.com/pdfs/Training/Web%20Based%20Training%20Insert.pdf and take a look at the new web-based training opportunities.

Additional remote learning opportunity.

Join Noah Bethel in a FREE Webinar - Case Studies in Motor Testing
Date: September 16, 2020
Time: 2:00 - 3:00 EDT

For more information and to sign up go to: https://www.cbmconnect.com/case-studies-in-motor-testing/

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. 166 or lou@pdma.com.