



A Leader in Electric Motor Testing

Tip Of The Week

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Replace Motor or Drive?

Our last tip, Back to the Basics, Part 2, discussed the Power Circuit fault zone. Following up on this topic, we have to remember that the stator windings are part of the power circuit path, but faults in the stator windings are often seen better using different tools/measurements than the tools specialized for power circuit assessment. Specifically we suggested precision resistance and thermal imaging as early indications of power circuit anomalies. The same precision resistance can be a lagging indicator of stator winding defects and the suggested measurement shifts to AC inductance as the primary indicator. This is never more true if your trying to make the difficult decision to replace a drive, motor, or cable run to recover from a drive application failure. Having the right tools to isolate the source of the fault can make a huge difference in recovery time and costs. To see a case study where these tests are used to isolate the fault to the drive or the motor visit the PdMA YouTube Channel at: <https://www.youtube.com/watch?v=zlqok1OKCfo&t=6s>.

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.

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