



A Leader in Electric Motor Testing

Tip Of The Week

August 3, 2015

How Does Water Get There?

With the recent heavy rains and flooding experienced in our home state of Florida it seems appropriate to remind ourselves of the amazing ability for water to find a way into our electrical systems. It would be nice if isolating this water contamination were as simple as a trip and find, but all too often nuisance trips and worse, equipment failures can result from the water penetration. An example of this would be a variable frequency drive failure as a result of an intermittent motor ground. In troubleshooting the failed drive with limited technology you might clear the motor on a simple insulation test when in fact it is contaminated with water. Clearing the motor and replacing the drive would likely result in the same nuisance trips and eventual failure of the drive again. To see an actual case study of a drive failure resulting from water contamination go to:

http://www.pdma.com/webinars/Insulation_Case_Study/Insulation/Insulation.mp4

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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