



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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Isolating the Cause of a VFD Trip

Motors powered by variable frequency (VFD) or variable speed (VSD) drives may require additional testing following a trip identified as a stator related anomaly. If the inner phase insulation is damaged or weak, the rapid voltage rise seen from many drives can result in inner phase currents sufficient to trip the drive, but not result in low ground wall resistance. By isolating and testing the insulation between phases you can better determine the root cause of the trip.

Visit www.pdma.com/PDF/ApNotes/0601-Isolating_the_Cause_of_a_VDF_Trip.pdf for a detailed test procedure on isolating and testing inner phase insulation.

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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