



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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Carbon Buildup on Wound Rotor Motors

Carbon builds up in open areas around the rings of a wound rotor motor. These deposits can eventually cause a short between rings or even to ground. These shorts can be catastrophic and permanently damage the rings and in many cases the rotor shaft. An easy way to detect these deposits is through a standard test on the rotor circuit. Resistive imbalances and low resistance-to-ground readings are good indicators of carbon buildup.

When caught in time, the buildup can be easily cleaned, preventing the need for replacement and, of course, the headaches associated with a catastrophic failure.

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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