



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

July 31, 2006

Why are Phase-to-Phase Resistance Measurements Important?

Phase-to-phase resistance measurements tests the circuit and the stator coils for resistance and calculates resistance imbalance. High resistance imbalances indicate possible hot spots, poor solder connections, poor lug connections, or coil shortings in the stator. When left unchecked, these conditions create excess heat leading to premature motor failure. To accurately assess winding resistance, it is important to use equipment that offers a four-wire bridge for measurement.

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 Martindale at 813-621-6463 ext. 126 or lou@pdma.com.

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