



Tip Of The Week

February 20, 2012

High-Potential Testing...How Much is Enough?

According to EASA AR-100-2010, DC High-Potential testing of new stator windings from AC induction machines rated above 0.5 HP should be performed at $1700v + 3.4$ times the rated voltage of the machine. Remember, this voltage test value is for a "new winding". For a post installation acceptance/QA test of the entire assembly, it is recommended that test voltage not exceed 80% of the new winding test. Once a motor has been reconditioned it is recommended that the test voltage not exceed 65% of the new winding test. And finally, for motors in service that have not been reconditioned, an insulation test should be performed rather than a high-potential test.

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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