



LIMITE AS PARTIDAS

Durante a partida o motor sofre stress severo. A temperatura das barras do rotor aumenta significativamente, extremidades das bobinas expandem e se movimentam, enquanto forças magnéticas solicitam motor e estator em interação conjunta. Uma vez que o motor estiver em movimento e com carga estável, estas forças são reduzidas. Se os resultados do teste no motor indicam redução na confiabilidade, diminua suas partidas de forma a prevenir falhar catastróficas no rotor do motor ou nos enrolamentos do estator.

Tradução Livre: Eng. Pedro AS Alvares - Vitek Consultoria Ltda

July 26, 2010

Limit Your Starts!

Electric motors experience severe stresses during the start-up process. Rotor bar temperatures increase significantly, stator winding end turns expand and move against their restraints, and magnetic forces pull the rotor and stator together. Once the motor is up and running with a stable load these stresses are reduced. If your electric motor testing indicates a reduced reliability, minimize your motor starts to prevent a catastrophic failure of the rotor cage or stator windings.

You are invited to submit an Electrical Motor Testing Tip of your own and receive a free PdMA mug or hat if we publish it. Contact Lou at lou@pdma.com.

We hope you find our Tip of the Week useful and invite your feedback. For more technical information and to view previous tips visit us at www.pdma.com.

Check out our new Web site (www.pdma.com), recognized by IRINFO as a 5 Star Web site.

Upcoming Events

[EPRI/LEMUG Conference](#)

August 16 - 20, 2010

[Reliable Plant](#)

August 31 - September 2, 2010

[SMRP](#)

October 18 - 20, 2010

[Solutions 2.0](#)

November 8 -11, 2010