
March 9, 2009

Conflicting Test Results

Florida Power and Light Company uses MCEMAX to help detect rotor bar faults and minimize forced outage down time.

When faced with conflicting test results from two or more technologies, should you pull the motor or leave it in service? Enrique Rodriguez, Motor Engineer with Florida Power and Light Company, faced such a decision. Routine MCEMAX testing indicated rotor bar problems; however, vibration analysis indicated a healthy motor. His decision to monitor the motor in question with the MCEMAX and trend the test results, led eventually to a decision to pull the motor from service before it failed. Upon examination, they found 22 of 51 rotors were broken or cracked. Read about his experience and view the test data in the case study CS4020R at http://www.pdma.com/PdMA_success_stories.php.

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.