



A Leader in Electric Motor Testing

Tip Of The Week

March 17, 2014

Before and After Testing

When performing troubleshooting or system inspections, a before and after test should always be performed to verify issues are corrected from an electrical perspective. We were recently in the field with a customer who followed this practice. A motor had tripped and during a visual inspection (one of the first steps in root cause analysis as mentioned in a previous tip) there were some loose connections found at the T-leads. Unfortunately, this customer had not been performing energized testing but, they had followed a regular schedule of de-energized testing. When the loose bolts were found, an immediate de-energized test was performed prior to tightening the bolts. A resistive imbalance of approximately 9% was found. After the bolts were tightened another offline test was performed and the resistive imbalance was reduced to approximately 0.15%. Thus, by performing a de-energized test after repairs, they verified the issue had been corrected from an electrical perspective and that the system was able to be returned to operation.

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.

Copyright 2014 PdMA® Corporation. All rights reserved. The PdMA Tip of the Week is produced by PdMA. PdMA shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.