Electric Motor Testing Tip of the Week

PdMA CORPORATION *revolutionizing electrical reliability*

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The Seven-step Process for Basic Electrical Troubleshooting

Step three of the seven-step troubleshooting approach is *Identifying Which Parameters Need to be Evaluated*. Identifying which parameters need to be evaluated requires a clear understanding of the discrepancy and which signals affect the suspected component. Which input signals control the component? What is the expected output from the suspect circuit? Is there a timing delay, sequence, or set point that can be verified?

Identify the following:

- What parameters can you measure?
- What are the expected values for any measurements that are to be taken?
- What test equipment is needed?
- Is there access for the required readings?
- Is there an alternative method to gather the required readings?
- Could other components have been affected by this fault?

To read more about this step and see it applied to a boiler feed pump example, read the Basic Electrical Troubleshooting document at http://www.pdma.com/PDF/Articles/Troubleshooting.pdf.

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.