



Electric Motor Testing Tip of the Week

revolutionizing *electrical* reliability

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Using Demod to Determine a Loose Motor Foundation

To determine if there is a loose motor foundation, or distorted bedplate, open the Demod Spectrum graph, and look at the peaks. If there is a defined peak located at 1/2 your motor's running frequency, then odds are it is a foundation issue. For example, the motor shaft speed is 29.5 and there is a defined peak at 14.75, check the foundation. Obviously, you should call in your vibration technician to verify this.

Loose foundations make it all but impossible to maintain correct alignment with the powered load, which can result in eccentricity issues as well.

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.