



# Tip Of The Week

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July 29, 2013

## The Hidden Sensor

The electric motor can be utilized like a complex sensor installed on a system to monitor the health and reliability of the entire system. Not just electrical, but mechanical anomalies will be transferred through the machine train to the rotor, across the air gap, and into the stator. From the stator, current analysis can be utilized to record the quantitative and qualitative data for base-line and trend analysis.

Imagine that... Built in sensors on all our systems...

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](mailto:lou@pdma.com).

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