



Tip Of The Week

September 9, 2013

Average Inductance

A Rotor Influence Check (RIC) shows how residual magnetism of the rotor influences the stator inductance through different rotor positions. A baseline RIC should be performed on new, repaired, or in-service motors. One advantage of performing a baseline RIC test is that it provides an Average Inductance level. Balance of inductance will change with rotor position. However, average Inductance should always be the same regardless of rotor position. Issues such as air gap eccentricity, shorted turns, and rotor defects will show up as a change in Average Inductance making it an excellent trending tool for motor health.

We wish to thank Jeff Brasher (Southern Company Generation) for providing the basis for this week's Tip of the Week.

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.

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