



A Leader in Electric Motor Testing

Tip Of The Week

September 23, 2019

Don't Start That Motor!

Back in May of this year we discussed the importance of Quality Control testing of your new or refurbished electric motors. Today we have a case study showing the importance of Quality Control testing for a newly commissioned system. All too often a new or refurbished motor gets installed and started on looks alone with no pre-qualifying data to justify the asset's health. Where was the motor stored? How was the motor shipped? Were the power leads (Power Circuit) connected properly? Is the voltage supply balanced? Is the motor properly engineered and specified for the application? These are just a few questions that a good Quality Control program and testing plan will be able to answer. For MCEMAX® users, a three minute test will give qualifying baseline information about the motor to compare to industry standards and support an acceptance decision. And remember, for any newly installed motor, don't start the motor unless the electric motor reliability team is on site to perform In-Rush/Start-Up testing on the motor when it first starts. This start-up data is crucial in qualifying the power quality, power circuit, stator, rotor and air gap. Additionally, it gives you critical comparison data for future troubleshooting efforts involving this motor and its application.

To see a new case study on the results of missing a quality control test, view the PdMA YouTube channel at:
<https://www.youtube.com/watch?v=2Wp2nwOwxey>

*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!
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