



Motor Reliability Energy IQ Quiz (Answers follow)

TRUE OR FALSE?

1. Half of maintenance and reliability professionals view energy as a reliability metric, according to the 2003 Motor Diagnostic and Motor Health Study?
2. A measurable value of energy consumption before and after a reliability action can be used to calculate real energy related dollars that can be included in a reliability ROI calculation?
3. According to the US Department of Energy, implementing a PdM Program in a manufacturing plant can reduce energy costs by at least 14%?
4. Air pressure drops in pneumatic systems have little effect on energy and production?
5. It takes 9 horsepower to produce 1 horsepower of compressed air?
6. Loose electrical connections are 10% of supply power problems?
7. Variable frequency drives are a fit in every motor application?
8. Use of VFD's can reduce wear and tear on driven equipment?
9. Energy and premium efficient motors are less reliable than standard efficient motors?
10. The US Department of Energy's MotorMaster Plus software can be used to calculate repair versus replace opportunities?





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ANSWERS

1. False. Only 3% view energy as a reliability metric
2. True
3. True
4. False
5. True
6. False – Loose electrical connections are 33% of supply power problems
7. False
8. True
9. False
10. True

How did you do? If you would like to learn more about Motor Circuit Analysis and how to improve your plants “motor health” for improved reliability and energy efficiency you are invited to attend an All-Test Pro Motor Diagnostics Workshop for hands-on training. Visit www.alltestpro.com or call (800)-952-8776 / (860) 395-2988 for details.



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