

MOTOR BASICS

6 Continuing Education Credits

(course # CE-6-W-VV-08/19-TEKWELL-013121-0004)

Topics



AC Electric Motors - construction and design, proper installation, applications, and maintenance best-practices



Bearings - proper installation, lubrication, and preventive maintenance



Technologies for testing and analyzing the health of electric motors (vibration, infrared, ultrasonic, PdMA, etc.)



Variable Frequency Drives - how to specify and size a VFD for use with an electric motor(s), benefits...

Class duration: 6 hours (lunch included)

Price: \$1,500 per class (up to 16 students)

Thermal Imaging

Laser Shaft Alignment + Vibration Analysis

Variable Frequency Drives

Root Cause of Failure

Bearings

Category	Percentage
Bearings	51%
Windings	16%
External Factors	16%
Rotor Bar	5%
Shaft/Coupling	2%
Unknown	10%

