

Maintenance Tip

Vibration Tip

During fan balancing, after you place your first corrective weight on the fan rotor, your balancing machine may call for a trim weight. I have found that if I move the corrective weight toward the spot where the trim weight is supposed to be placed. Most of the time this action will all that is needed to bring the rotor into balance.

Motor Testing Tip

A full review of electric motor diagnostic equipment includes an internal review of your capabilities and resources. For instance, if you select equipment that requires dedicated manpower, and your human resources are lacking, the equipment will not be used resulting in a poor initial investment. A review of motor diagnostic equipment capabilities, application, training and manpower requirements and an understanding of your resources and system will ensure the proper selection of equipment for your need:

For example: As part of an electric motor commissioning program, motor circuit analysis and motor diagnostic equipment that can test de-energized equipment will save a tremendous amount of time and money by allowing for acceptance or rejection prior to installation or operation of the equipment. This can be followed by system commissioning using motor diagnostic equipment that can test energized equipment to ensure that the installation was correct and there are no other dynamic faults in the system. These readings may then serve as a baseline for predictive maintenance.

Training Tip

A reminder when teaching adults.

We remember:

- *10% What we read
- *20% What we hear
- *30% What we see

- *50% What we see and hear
- *70% What we discuss with others
- *80% What we actively do
- *90% What we explain to others

Maintenance Planning & Scheduling Tip

The planning function should be staff positions reporting through the maintenance staff at least one level above the first maintenance supervisor. If the planning function is positioned too low in the organization, it does not receive proper management support when decisions are required.

Ultrasound Tip

When scanning for air leaks in a noisy environment start with your ultrasonic detector's sensitivity setting on low to avoid loud blasts in your ears. Always adjust the sensitivity setting upwards until it is comfortable. As you approach a leak its intensity will increase. It will be necessary to step down the sensitivity setting as you "zero in" on the exact location.