

Education in Machinery Health™ Management



TAKING THE MYSTERY OUT OF PEAKVUE TECHNOLOGY AND AUTOCORRELATION AS AN ADVANCED DIAGNOSTIC TOOL

This 3-day training includes two courses for a total of 2.1 CEU's:

TAKING THE MYSTERY OUT OF PEAKVUE™ TECHNOLOGY

This course makes use of both case studies and live demonstrations illustrating specific mounting procedures to reliably detect certain faults.

Prerequisites: familiar with vibration data collection, analysis and AMS Machinery Manager software.

TOPICS INCLUDE

- Proper PeakVue set-ups for all speeds (as low as 1 rpm)
- Sensor selection and sensor mounting
- Setting alarm levels
- Choosing trend parameters
- Analyzing PeakVue spectra and waveforms
- Uses of the circular waveform plot

AUTOCORRELATION AS AN ADVANCED DIAGNOSTIC TOOL

This course will teach the power of the autocorrelation coefficient function for the analysis of vibration induced time waveform data.

TOPICS INCLUDE

- Introduce the autocorrelation coefficient
- Demonstrate the computation of the autocorrelation coefficient data from the time wave form data

- Highlight the strengths of the autocorrelation coefficient function data relative to spectra data
- Demonstrate the use of the autocorrelation coefficient data as a diagnostic tool to support the spectra data for vibration analysis through several case studies.
- Identify unique patterns of the autocorrelation function data for certain classes of bearing faults, gearing faults, etc.

LOCATIONS

- August 13th to 15th, 2013

Midwest Valve Services

425 Plumer Street

Wausau, WI 54403

8:00 AM - 4:00 PM daily

- \$1,800 per person
- Continental breakfast and lunch will be provided
- Registration:
To register or for more information, visit www.novaspect.com/education or contact Novaspect Education Services at 847-709-8940.