



## Work Identification

WICM350

# Advanced SKF @ptitude Analyst™ and SKF Microlog® Applications

### Recommended for

Reliability engineers, technicians, inspectors, advanced mechanics and millwrights whose responsibilities require them to be proficient in the setup and use of the SKF Condition Monitoring's Micrologs primarily for route cause failure analysis.

### Course objective

To provide real-life practical approaches to solving machinery problems utilizing the advanced features and techniques of SKF Microlog.

At the conclusion of this course, participants will understand:

- Applications for time and frequency domains
- Phase analysis
- Bearing defect detection and analysis
- Slow speed machinery monitoring
- Motor current analysis
- Synchronous time averaging
- How to identify resonant conditions

### Course description

Designed for maximum class participation. A combination of presentations, group exercises, and videos are used to peak participant interest and encourage participation and understanding. We highly encourage you to bring your entire SKF Microlog kit with you for this seminar.

#### Slow speed machinery applications

- SKF Microlog settings
- Sensor considerations
- Measurement types

#### SKF Microlog “shortcuts”

- Function keys
- Numeric keys

#### Application menus (wizards)

- Cyclic Analysis
- Current Analysis
- Bump Test
- Run Up/Coast Down
- Configuration Wizard

#### Phase collection and analysis

- Laser Tach
- Optical Tach
- Strobelite

#### Time waveform

- Analysis and collection
- SKF Microlog settings
- Impulses/impacting
- Clarification of the FFT

#### Synchronous time averaging

- Applications
- Data collection techniques

#### Bearing defect detection and analysis

- HFD
- Acceleration enveloping
- Ultrasonic measurements

### 2009 course schedule

June 2–4	Chicago, IL
Sept. 29–Oct. 1	Philadelphia, PA

### 2009 tuition

Public classes	\$1,095
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On-site	
per class	\$6,995
# people	5
6+ people	\$395 per person

### 3 days

A written examination is included with this course and is conducted on the afternoon of the final day of class.