



WICM264

AX series Microlog and SKF @ptitude Analyst

Course objective

To introduce the @ptitude Analyst vibration database management and analysis software as well as the features of the AX Series - Microlog to the new user. In addition, this course instructs the user on the basics of setting up an effective portable machinery monitoring system.

2009 tuition

\$8,495

4 days

Course description

Course topics are organized into the steps necessary to set up a portable monitoring system and to operate the SKF Microlog AX/SKF @ptitude Analyst software product.

Condition monitoring training topics

- Condition based Maintenance Program Overview
- Guidelines for Implementing a Portable Condition Monitoring Program – practical guidelines for implementing a portable condition monitoring program
- Introduction to Vibration Analysis – Discuss the advantages of various vibration signal processing techniques to isolate and detect specific machinery faults (e.g., acceleration enveloping signal processing for early detection of bearing faults)

SKF product training topics

- Set up default properties on the SKF @ptitude Analyst software
- Learn to navigate the software using its menus, dialogs, windows, hierarchy, terminology, workspaces, etc.
- How to create a database of vibration measurements
- Download and upload measurements between SKF software and the AX Microlog data collection device
- How to set up default properties in the AX Microlog
- How to operate the AX Microlog data collector/analyzer to collect both route and off-route measurements
- Generate graphic plots and reports for analyzing measured machinery condition (both software and AX Microlog)
- Advanced AX Microlog application modules, multiple channel measurements, FRF measurements, balancing, etc.

WICM270

On-Line Systems and SKF @ptitude Analyst

Course objective

Participants will be able to design and build an effective on-line system vibration measurement database, download measurements to on-line system local monitoring units, understand on-line system data collection processes, display and analyze the on-line system Event Log and on-line measurement data plots for detection and analysis purposes, and generate on-line system reports.

2009 tuition

\$8,495

4 days

Course description

Designed for maximum class participation, this course is divided into sections that are viewed with presentations, computers practice, and reviewed with hands-on group exercises and written reviews.

- SKF @ptitude Analyst On-line System, concept, product structure, and applications
- System checkout and troubleshooting procedures Software installation and setup
- Hardware and software requirements
- Windows® system settings and installation options

- Installing SKF @ptitude Analyst and the CMU/TMU/MIM Driver
- CMU/TMU operation and theory
- Database configuration: ideology, application and best practices
- Parametric Gating and Control Points
- On-line data collection process
- Measurement process and Heartbeat concept
- DAD communication and live data collection process
- Displaying On-line data plots
- Generating and printing data reports