



Work Execution

WE212

Bearing Reliability in Aggregate and Cement

Recommended for

Plant engineers, maintenance managers, engineering managers, rotating equipment managers and engineers, reliability managers and engineers, maintenance supervisors, foreman and team leaders, general maintenance and mechanical foreman, lubrication engineers and technicians, plant and maintenance planners, mechanical shop managers, foreman and technicians, mechanical repair services providers, maintenance services contractors and technicians, maintenance operations coordinators, millwrights, maintenance administrators and technical maintenance trainers.

Course objective

Participants will learn about real solutions to real problems related to bearing reliability and maintenance in machinery used in the aggregate and cement industry.

2009 course schedule

On-site only

2009 tuition

On-site

per class	\$12,995
# people	16
17+ 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.

Course description

Bearing Reliability in Aggregate and Cement Machinery uses a combination of lecture, video, discussion and hands-on activities.

Topics covered:

- Aggregate and cement industry overview
- Mounted and unmounted rolling element bearings
- Bearings in aggregate and cement making machinery
- Crushers, conveyors, vibrating screens
- Kilns, coolers, roller presses
- Auxiliary equipment: pumps, gearboxes and motors
- Bearing installation and maintenance
- Mounting and dismounting of rolling element bearings
- Fault detection
- Bearing damage examples
- Hands on exercises
- Impact of safety in the industry

Prerequisite

RMI On-line course*

WE104 Taper roller bearings
We101 Spherical roller bearings

Reading material*

RB04005 Bearing arrangements for cement industry fans
SKF_3209_E Bearings for bulk conveyers
RB04007 Drive shafts for grinding mills
RB04008 Hammer mills and impact crushers

* On-line learning material at aptitudeexchange.com