

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 objectives:

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

2017 course schedule

To schedule your personalized on-site training class, see page 64 for contact information.

2017 tuition

On-site only - tuition on request

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. Specific topics include:

- 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

Pre-study*

GRB002 Spherical roller bearings
GRB005 Taper roller bearings
RB04001 Cement Industry

Post-study*

RB04005 Bearing Arrangements for Cement Industry Fans
RB04007 Drive Shafts for Grinding Mills
RB04008 Hammer Mills and Impact Crushers

* On-line learning material at <http://www.skf.com/us/knowledge-centre/elearning/index.html>