

Improving Crusher Reliability

Course Overview

This course provides information that will enable maintenance personnel to increase plant productivity by improving the performance and reliability of rotating equipment. Students will understand best practices in crusher selection and maintenance and the value of preventive maintenance by conducting careful maintenance practices and planning. They will understand what to look for in inspections and will be able to provide feedback on the condition of the equipment and what (if any) should be done to rectify the deficiencies that are found.

Course Content

Introduction to Crusher Selection

- General Crusher Selection based on Abrasive Index (AI) and Impact Values which helps to select the appropriate crusher for a given ore type, i.e. Hardness and Abrasiveness
- A brief description of how the crushers operate
- An understanding of the common industry terminology

The Value of Preventative Maintenance

- Monitoring and measurement
- Replacement of components due to normal wear
- Damage caused by failure to adjust or replace worn parts
- Damage caused by foreign influences
- Recording and review of data

Maintaining Primary, Secondary and Tertiary Crushers

- Crushing action comparison between Single and Double Toggle Crushers
- General arrangement of typical single toggle and double toggle jaw crusher
- Advantages of rolling end toggles over conventional socket end type
- Checklist (Daily, Weekly, Monthly)
- General rule of thumb principles
- Understanding the crusher chamber
- Types of cone and gyratory crushers, bottom and top support
- What causes Hot Spots
- Fret Corrosion
- Checking C.S.S of Gyratory and Tertiary Crushers

Maintaining Impact Crushers – Vertical and Horizontal

- Typical Problems and Solutions - Impact Crushers

Maintaining Screens

- Fundamentals of Screening
- Screen types
- Screening Media
- Troubleshooting (Inclined or Horizontal Screens, Vibrating Screens)
- Common screen cloth failures

Maintaining Feeders

- Grizzly Feeder
- Apron Feeder
- Vibrating Feeder

Maintaining Conveyors

- General maintenance checks (Belts and Rollers, Lanyard Safety Switches, Gear-box lubrication, Spillage, Visual inspection)

Monitoring Crushers

Specialist techniques to monitor crushers for vibration and temperature, providing early warning for plant personnel to avoid unplanned downtime and unnecessary repairs. These easy to install, cost effective kits are a proven and reliable solution for increased uptime.

Course Information

Time	8.30am – 4.30pm
Days	1 day (8th June 2023)
Course Fee [†]	\$925 AUD + GST
Course Type	Onsite and Public
Category	Work Identification, Work Execution

[†] Course fee is per person for a Public course. Contact SKF for Onsite course fee.

Improving Crusher Reliability

REGISTER NOW

email back to rod@iw.net.au

Standard Course Fee \$925 AUD + GST

Contact

BALLARAT BEARINGS 03 5336 1111
1017 La Trobe St Delacombe VIC 3356
Email: rod@iw.net.au

Location: _____ Date ____/____/____

Premier Plus Savings

Bring 3 or more delegates to the course and benefit from a 7% saving. (cannot be used in conjunction with any other offer)

DELEGATE DETAILS

Name _____

Email _____ Job Title _____

Name _____ Contact No _____

Email _____ Job Title _____

Name _____ Contact No _____

Email _____ Job Title _____

Name _____ Contact No _____

Email _____ Job Title _____

Name _____ Contact No _____

Company Name _____

Address _____

City _____ State _____ Postcode _____

Tel () _____ Fax () _____

AUTHORISATION

Signatory must be authorised to sign on behalf of contracting organisation

Name of Authorising Manager _____

Position _____

Signature _____

Date ____/____/____

I agree with terms and conditions below

METHOD OF PAYMENT

Purchase order to SKF distributor - Ballarat
Bearings or a credit card payment

Company Order No _____

VISA MasterCard American Express

Credit Card No. _____

AMEX Security Code _____

Card Holder's Name _____

Signature _____ Exp Date ____/____

TERMS AND CONDITIONS

- Enrolment: Enrolments will be confirmed in writing prior to the course commencement date and are subject to: (1) receipt of the completed enrolment form; (2) payment prior to course date, or receipt of purchase order from approved Corporate Accounts.
- Fees: Course fees are inclusive of course materials and refreshments. Contact SKF Training Department for group savings.
- Cancellation/Substitution: Cancellation will only be accepted in writing and acknowledged by SKF. Cancellation is free of charge when received at least 3 weeks prior to course commencement. Between 1-3 weeks before the course commencement date, 50% of the training fee will be charged. Thereafter, full course fee is payable and is non-refundable. Suitable substitutes are welcome.
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