JOYGLOBAL

Product Training & Publications

Shovel Operator Training

Course Duration
40 Hours

Target Audience
This training is designed for personnel who operate P&H Mining shovels for production.

Description
Operators will gain insight into the overall machine operation and learn required user maintenance areas. Initially a classroom presentation is conducted which is followed by hands-on training with the shovel in a production environment. Students will be given the opportunity to operate the shovel and practice the techniques covered in the classroom.

Prerequisites
It is suggested that students complete Operator eLearning training modules.

Course Location
- Field

Course Objectives
Upon completion of this course the student will be able to:
- Make walk around safety inspections
- Identify the location of the controls and warning systems.
- Understand the function the controls and warning systems.
- Perform minor mechanical repairs and adjustments.
- Operate the shovel in a productive and safe manner to avoid damage to equipment and reduce overall operating cost.

Main Concepts
- Shovel Mechanical Overview
- Production Techniques
- Various Digging Techniques
- User Maintenance Areas
- Identifying Machine Problems

Course Outline

Safety

- Safety equipment
- Communications
- Pre-operational checks
- Inspection of operational area
- Job conditions
- Weather conditions
- Operation at night

Operation

- Communications
- Shovel swing radius
- Traffic patterns
- Clean up at the shovel
- Positioning of power cables
- Maintaining bench grades

Feeding a Crusher

- Communications
- Traffic patterns
- Inspection of working area
- Material Selection

Truck Operation

- Communications
- Inspection of working area
- Condition of the digging area
- Blasting residue in the digging area
- Type of material being loaded
- Traffic patterns
- Truck positioning
- Uniform load
- Loading set-up