



## 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
- Drives Windows overview

## 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