

# MINESITE TRAINING

*Mining Better, Together.*



## COURSE DESCRIPTION

- ✿ The **Supervisor Application Training Module** has been designed to provide training in the areas of safety, machine application, production efficiency, and facility maintenance for operation and maintenance supervisors, planners, and engineers. These sessions will accommodate a minimum of six (6) attendees and a maximum of 16 attendees.

## PURPOSE

- ✿ To introduce operation and maintenance supervisors, planners, and engineers to job site safety, efficiencies, proper equipment operation, machine selection/application, and performance benchmarks to enable attendees to conduct site evaluations and identify improvement opportunities.

## SESSION DATES & COST

- ✿ For a quote and to schedule Supervisor Application Training, contact Steve Winters, Demo Operator Trainer at 775.385.1286 or [stevewinters@cashmanequipment.com](mailto:stevewinters@cashmanequipment.com).
- ✿ Please note that class sizes are limited between 6-16 attendees.

## EXPECTED OUTCOMES

UPON COMPLETION OF THIS COURSE, PARTICIPANTS WILL BE ABLE TO:

- ✿ Analyze different areas of a mine site operation, including road building and equipment application/operation
- ✿ Identify opportunities for lowering costs and increasing production
- ✿ Elevate production supervisor's knowledge base in a variety of areas impacting overall productivity

## POTENTIAL ADDITIONAL OUTCOMES

- ✿ Identify potential Continuous Improvement projects that will require support from the site, Cashman Equipment, and Cat
- ✿ Validate the need for continuous training
- ✿ Schedule follow-up visit(s) to site for evaluation and summary of improvements as well as areas requiring additional attention/time

## BENEFITS OF TRAINING

- ✿ Increased safety awareness
- ✿ Improved equipment efficiencies
- ✿ Increased equipment life
- ✿ Reduced maintenance and repair costs
- ✿ Increased production and reduced operating costs



**CASHMAN** **CAT**

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# MINESITE TRAINING: AGENDA

## MONDAY

- ✿ Cat Instructors travel day. Visit site to conduct tour and meet with site management as needed (optional).

## TUESDAY

- ✿ **AM** - The class will start with introductions, expectations, and a pre-test, followed by presentations on Safety, Earthmoving Fundamentals, inspection of discarded tires, and Ground Engaging Tools (G.E.T.) to understand operating practices.
- ✿ **PM** - Field activities including examination of G.E.T. and tire "bone yard." The purpose of this exercise is to analyze G.E.T. and tires for proper machine application and operation, and allow the students to collect information needed to identify improvement opportunities.

## WEDNESDAY

- ✿ **AM** - The class begins with loading tool efficiency presentations covering: Mass Excavators, Front Shovel, and/or Wheel Loaders as well as an introduction and exercise on gathering cycle times and completing production calculations.
- ✿ **PM** - Field activities include time for the teams to conduct observations using the skills learned from classroom training to assess the following: load area set up, machine application, and operating techniques. Students will also take cycle times of loading tools that will be used to recommend improvements.

## THURSDAY

- ✿ **AM** - The class will begin with a presentation suggesting the best operational practices for: Building and Maintaining Haul Roads, Track Type Tractor, Motor Grader, and support equipment operations.
- ✿ **PM** - Field exercises will include observations of haul road construction and maintenance, support equipment utilization, and dozing and ripping techniques. Each team will compile information, summarize findings, and develop a presentation. Students will have the remainder of the day to work on team presentations. Each presentation should contain areas of strengths, opportunities for improvement, and solutions for increasing efficiencies and lowering cost per ton.

## FRIDAY

- ✿ **AM** - The teams will be allowed time to finalize presentations.
- ✿ **PM** - Starting at 12:30 pm, the teams will present findings to senior management. Each team member is required to deliver a portion of the presentation. It is recommended that an "action plan," including project ownership and completion dates, is created for issues identified during the site assessment. A follow-up date should be scheduled between the students, management team, and instructors to review progress. A course evaluation will be distributed following the student presentations.



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