

Technical Training

Course: S3120 Scaler maintenance - Intermediate

Date: 12-15 November 2019



Pre-requisites: Basic Hydraulics and Electrical Systems knowledge

Basic Maintenance practices knowledge

Methodology

Our training program is designed to provide Getman vehicle maintenance and repair personnel with the requisite information and knowledge of Getman equipment and equipment management best practices. Training is delivered by highly skilled and experienced Getman Training and Technical Support Specialists with the intent of preparing course participants to maximize safety, efficiency, and productivity while maintaining their Getman equipment.



This training module is part of a broader offering of courses which allows trainees to gain skill mastery over a period of time through instruction in general mining and safety principles and by undergoing progressively complex levels of training that seek to build on and augment existing knowledge to the point of mastery/advanced understanding of equipment best practices and maintenance as related to Getman equipment. Classes may consist of up to ten participants per session and participants must successfully complete all previous training stages in order to advance to the more complex levels. Each select course encompasses:

- Pre-test to gauge level of knowledge
- Classroom instruction
 - In-depth group and one-on-one instruction
 - Targeted presentations
 - Video demonstrations (as available)
- Participation in hands-on learning opportunity with truck
- Complete final examination (must be passed satisfactorily)

Course Outline – Intermediate

Total instruction time including examination: Approximately 30 hours

Participants: Max 10 students per course

Day 1: Equipment Overview

Trainees will be introduced to the theory of rock mechanics and safe scaling in mining operations followed by the review of the Getman S3120 Scaler model. Trainees will be able to recognize parts and components of the equipment and will demonstrate understanding of efficient and safe operation.

- General and scaler-specific safety
- Safety and Warning Labels
- Meaning of Symbols/Colors
- Lockout/Tagout
- Overview and Technical Information
- Dimensions and Coverage Area
- Standard Equipment
- Optional Equipment
- Location of components and parts

- Daily inspection, startup
- Inspection and check procedures at shift end

Day 2: Equipment configuration and Functionality

- Major Components
 - Chassis/Drive Train
 - Operator's Compartment
 - Boom
 - Boom Extension Sections
 - Optional Front Push Blade
 - Fire Suppression System
- Hydraulic System - overview
- Electrical System - overview

Day 3: General and Preventative maintenance

- Equipment Manuals and Maintenance schedule review.
- Inspections
 - Walk-around
 - Startup/Daily Checks

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- End of Shift
 - Periodic Maintenance schedule, inspection/service
 - Hydraulic and Electrical systems – functionality and troubleshooting
 - Using schematics.
 - On-board diagnostics for basic troubleshooting.

Day 4: Theoretical Application and Hands-On

General and Preventative maintenance cont.

Trainees undergo written and equipment-based examination to demonstrate their theoretical and practical understanding of maintenance schedules, schematics and basic troubleshooting.

- Identification and knowledge of maintenance principles of major components
- Applied understanding of hydraulic and electrical systems
- Ability to read and follow schematics
- Intermediate understanding of equipment, components, and maintenance
- Ability to recognize deviations from standard procedure/maintenance and correct the issue