

# MAXIMIZING SAFETY

Cat® 7495 and 7495 HF Electric Rope Shovels



## SAFETY

The Cat® 7495 and 7495 HF Electric Rope Shovels offer several key features which maximize the safety of those on and around the shovel during operation and maintenance tasks.

From best-in-class operator visibility and egress, to the easily accessible deck-mounted crowd machinery, the 7495 and 7495 HF are built to help you move more—safely.



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## 1. Operator Visibility

The standard operator cab offers industry-leading visibility, with clear line of sight to the machine tracks through a floor window, and all the way up to the boom point sheaves via the windshield, as well as an unobstructed view out the left and right-hand windows. This wide line of sight reduces the potential for dipper collision with the machine's tracks or when loading haul trucks.

## 2. Operator Cab Dual Egress

Dual full-size egress doors allow two emergency exit options, including unobstructed space for stretcher access via the rear door, and a flat surface and wide-set staircase with handrails leading away from the operator cab.

## 3. Five-Camera System

Additional operator visibility is afforded by five optimally-positioned cameras and operator cab-mounted displays. The five cameras are stationed to monitor blind spots around the machine as well as critical maintenance and component locations which can affect machine operation.

## 4. Deck-mounted Crowd Machinery

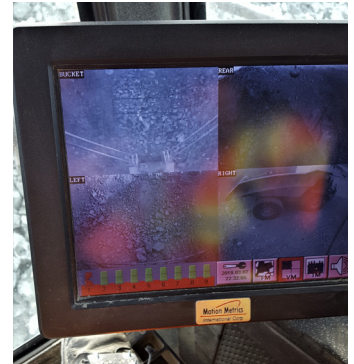
Deck-mounted crowd machinery reduces the amount of maintenance which would need to be performed on the boom, as many of the maintenance items are contained within that one easy-to-reach location. Additionally, the location of the crowd machinery improves the far-side line of sight from the operator cab.

## 5. Stairways (standard and optional)

A standard 45 degree right-hand rear facing boarding stair provides fast and convenient machine access and egress. A standard left-hand emergency ladder is also provided, as well as a roof access stairway to safely access the air conditioning unit(s) for maintenance purposes. A left-hand boarding stair and left-hand stair to the machinery house roof are available as options.

## 6. Non-skid Stairs and Machinery House Roof Panels

Non-skid material lines roof surfaces, stairs, walkways and platforms to facilitate safe movement around the machine.



## 7. Platforms

Access platforms are located throughout the machine in order to allow safe and easy access to the boom, dipper trip motors, hoist rollers and boom point pins. Additional optional platforms are available upon request.

## 8. Handrail Mounts

These mounts reinforce the structure and stability of the structure and stability of the handrails to facilitate safe movement around the machine.

## 9. Wet Disk Snubber

Set it and forget it with the revolutionary wet disk snubber. Designed to be adjustment- and maintenance-free for 12,000 hours, this design reduces occasions for maintenance personnel to work at height.

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## 10. High Voltage Cabinet

The high voltage cabinet within the main machinery house contains the switchgear, isolating the electrical equipment so that it can be safely worked on by maintenance personnel.

## 11. MCC Safety Features

The motor control cabinet (MCC) contains switches to isolate devices for maintenance purposes.

## 12. Key Interlock System

Key interlocks are designed to prevent human exposure to high voltage electrics without the power being disconnected.

## 13. Warning Signs

Stored energy locations, auto-start equipment and high voltage areas are marked with signs alerting personnel of danger in the area.

## 14. Emergency Lighting Package (optional)

This package consists of 13 battery back-up lights which illuminate when power to the machine is lost, allowing an operator to safely egress the machine. Additionally, it includes four propel warning lights to alert ground personnel that the shovel is propelling.

## 15. Immobilization Cables (optional)

These easy to use one-inch steel cables and anchor points connect the revolving frame to the truck frame, preventing the revolving frame from rotating and protecting maintenance personnel when working on swing components.

## 16. Remote Drum Control (optional)

The optional remote drum control allows for remote hoist

drum reeving from inside the machinery house for safe and efficient rope change outs.

## 17. LatchFree™ dipper (optional)

Eliminate live work on the dipper with the LatchFree™ Dipper System. It replaces the maintenance-intense latch assembly with a strong steel link mounted to the dipper back, away from material flow. This solution reduces overall maintenance but, when service is required, it can be performed with the dipper on the ground and the machine locked and tagged out.

## 18. Hammerless GET

Installing and removing dipper tips is easier and safer when no hammer is required. The hammerless solution mitigates opportunity for injury.

## 19. Swing Rail

An improved design to the swing rail inverts the bolted joint to tap into the frame from the bottom, eliminating a confined space work environment for installation and service.