

“Rules to Live By” is an initiative of the Mining Health & Safety Administration (MSHA) to improve the prevention of fatalities in mining. The focus will be on 24 of the most frequently cited MSHA standards -- 11 in coal mining and 13 in metal / non-metal mining. Instances where individuals fail to properly follow these standards may cause or contribute to fatal accidents in the mining industry. Therefore, MSHA has developed the Rules to Live By to highlight standards that can be followed to help prevent fatalities. Below you will find the **11 Coal Priority Standards**, or Rules to Live By, and corresponding resources available on SAFETY.CAT.COM™. These resources should help you become more knowledgeable in each area and include online training courses, Toolbox Talks and videos.

GROUPING	11 PRIORITY STANDARDS	SAFETY.CAT.COM™ RESOURCES
UNDERGROUND MINE ROOFS, RIBS & FACES	<ul style="list-style-type: none"> » Roof, face, and ribs shall be supported and no person shall work or travel under unsupported roof » Develop and follow approved roof control plan 	<ul style="list-style-type: none"> • Online training courses: Job Hazard Analysis • Toolbox Talks: Tips for Roof Control, Hazard Recognition
ELECTRICAL WORK	<ul style="list-style-type: none"> » No electrical work shall be performed on energized low, medium, or high-voltage distribution circuits or equipment 	<ul style="list-style-type: none"> • Online training courses: Electrical Hazards and NFPA 70E (Overview), Introduction to NFPA 70E – 600 Volts or Greater, Introduction to NFPA 70E – 600 Volts or Less, Lockout / Tagout • Toolbox Talks: Safety Around High Voltage & Electrical Safety • Videos: Any product related videos
EQUIPMENT & HAUL ROAD OPERATIONS	<ul style="list-style-type: none"> » Off-track haulage roadways shall be maintained » All persons shall be clear before starting or moving equipment » Mobile equipment shall not be left unattended unless brakes are set, chocked 	<ul style="list-style-type: none"> • Online training courses: Exposure Hazards for Heavy Equipment, Materials Handling Safety Around Heavy Equipment, Blocking and Cribbing for Heavy Equipment, Fleet Safety • Toolbox Talks: How to Keep Haul Roads Safe, General Service and Repair Safety Information for all Cat Machines, Chock and Block, How to Recognize Work Zones, Work Zone Traffic, Machine Walk Arounds • Video: All product related and Walk Around videos
EQUIPMENT REPAIR & MAINTENANCE	<ul style="list-style-type: none"> » Equipment shall be maintained in safe operating condition or, removed from service » No repairs until power off and blocked » No repairs or maintenance shall be performed until the power is off and machinery is blocked 	<ul style="list-style-type: none"> • Online training courses: Fleet Safety, Vehicle Inspection for Heavy Equipment, Lockout / Tagout, Electrical Safety and Lockout / Tagout, Block and Cribbing for Heavy Equipment • Toolbox Talks: Electrical Safety, Chock and Block, General Service and Repair Information for All Cat Machines • Videos: Safety Basics - Lockout / Tagout, Any product related videos • Safety Checklists: Walk Around inspections for Mining Equipment
SEAT BELTS	<ul style="list-style-type: none"> » Seatbelts shall be worn in a vehicle where there is a danger of overturning and where roll protection is provided 	<ul style="list-style-type: none"> • Online training courses: Safety and You, Safety Orientation, Driver Safety Training • Toolbox Talks: Seat Belts • Videos: Safety Basics - Seat Belts
SAFETY BELTS & LINES	<ul style="list-style-type: none"> » Safety belts and lines shall be used where there is a danger of falling 	<ul style="list-style-type: none"> • Online training courses: Fall Protection for Mobile Equipment, PPE for Heavy Equipment – Body Protection, Preventing Trips, Slips and Falls • Toolbox Talks: Using Personal Fall Arrest Systems, Safety Belt and Fall Arrest Systems, How to Clean Large Equipment Windshields

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GROUPING	13 PRIORITY STANDARDS	SAFETY.CAT.COM™ RESOURCES
EQUIPMENT OPERATION & MAINTENANCE	<ul style="list-style-type: none"> » Operating speeds and control of equipment » Brake performance » Procedures during repairs or maintenance » Machinery, equipment, and tools used beyond design » Parking procedures for unattended equipment 	<ul style="list-style-type: none"> • Online training courses: Avoiding Rear-End Collisions-Large Vehicles, Extreme Driving Conditions, Exposure Hazards for Heavy Equipment, Job Hazard Analysis, Blocking and Cribbing for Heavy Equipment, Fleet Safety • Toolbox Talks: Safe Operation on a Slope, How to Keep Haul, Belly Pan Removal, How to Clean Large Equipment Windshields, Parking on a Slope, Stalled Engine, Machine Footing, New Work Sites, Brake Performance • Video: Safety Basics - Blocking and Cribbing • Operation & Maintenance Manuals Excerpts • General Product Safety for All Cat Engines
ELECTRICAL WORK	<ul style="list-style-type: none"> » Work on power circuits 	<ul style="list-style-type: none"> • Online training courses: Electrical Safety and Lockout / Tagout, PPE – Electrical Protective Devices, Pre-Job Briefings for Electrical Work • Toolbox Talks: Safety Around High Voltage, “811” Before You Dig • Videos: Safety Basics - Lockout / Tagout
SEAT BELTS	<ul style="list-style-type: none"> » Seat belts shall be worn by equipment operators » Seat belts shall be provided and worn in haul trucks 	<ul style="list-style-type: none"> • Online training courses: Safety and You, Safety Orientation, Driver Safety Training • Toolbox Talks: Seat Belts • Video: Safety Basics - Seat Belts • Operation & Maintenance Manuals Excerpts
SAFETY BELTS & LINES	<ul style="list-style-type: none"> » Safety belts and lines 	<ul style="list-style-type: none"> • Online training courses: Fall Protection for Mobile Equipment, PPE for Heavy Equipment – Body Protection, Preventing Trips, Slips and Falls • Toolbox Talks: Using Personal Fall Arrest Systems, Safety Belt and Fall Arrest Systems, How to Clean Large Equipment Windshields
OTHER JOBSITE OPERATIONS	<ul style="list-style-type: none"> » Bins, hoppers, silos, tanks and surge piles » Persons shall stay clear of suspended loads » Barricades and warning signs » Ground support use 	<ul style="list-style-type: none"> • Online training courses: Confined Space Hazards, Confined Space Permit Required, Load Securement and Distribution, Blocking and Cribbing for Heavy Equipment, Job Hazard Analysis, Guarding Floor and Wall Holes, Hazard Communication • Toolbox Talks: Grain Bin Entrapment, Confined Spaces, Suspended Loads, Hazard Assessment, New Work Sites, Protecting the Public, A Healthy Work Site, How to Improve Safety with Signs, Tips for Roof Control

Please refer to the Mining Safety Tips on **SAFETY.CAT.COM™** for additional information.