

SAFETY AWARENESS

Brief Topic Safety Refresher Training For Associates

2024

Hoist & Crane Safety

Moving Materials Mechanically

Using mechanical equipment to move and store materials increases the potential for injuries. It is important to be aware of both manual handling safety concerns and safe equipment operating techniques. You should avoid overloading equipment when moving materials mechanically by letting the weight, size, and shape of the material being moved dictate the type of equipment used. All material handling equipment has rated capacities that determine the maximum weight the equipment can safely handle and the conditions under which it can handle that weight. Prior to lifting a load, ensure that the equipment-rated capacity is not exceeded except for load testing.

General Safety Tips

Use your experience, knowledge and training to assess risks and follow procedures.

- **Do not** operate a crane and hoist that is damaged or has any actual or suspected mechanical or electrical malfunction.
- **Do not** attempt to lengthen wire rope or repair damaged wire rope.
- **Do not** use the wire rope, any part of the crane, hoist, or the load block and hook as a ground for welding.
- **Do not** allow a welding electrode to be touched to the wire rope.
- **Do not** remove or obscure any warning labels on the crane or hoist.
- **Do not** walk under a suspended load or allow anyone to walk under a suspended load.
- **Do not** perform or allow anyone to perform **any** work on a suspended load that requires a worker to be positioned under the suspended load.



Pre-Operation Inspection

- Test operation of the primary limit switch of the hoisting motion. The upper limit prevents the hook block from coming into contact with the rope drum and sheaves.
- Ensure that the secondary chain or strap is in operation on all hoist baskets.
- Visually inspect hook for nicks, gouges, deformation of the throat opening, wear on saddle or load bearing point, and twisting.
- Visually inspect hook latches for proper operation or damage that does not allow proper operation.
- Visually inspect wire rope for broken wires, broken strands, kinks, and any type of deformation or damage of the rope structure.
- Should you find anything deficient with the hoist during the Pre-Operational Inspection, notify a Team Leader and tag the hoist until the issue has been resolved and approved for use by a Team Leader.

