



## Crane and Boom Trucks

Only trained and qualified personnel should operate crane trucks and boom trucks. A signal person should direct all operations.

- Perform frequent inspections on all cranes, pulleys, cables, hooks and hoists. Inspect equipment that has been idle for six months or more, for items such as, control/hoisting mechanisms, hydraulic hoses and systems, lifting hooks for deformation, cracks in the boom, power sources and brake and clutch systems.
- Check for overhead power lines before moving or operating the platform.
- Label all controls — indicate action and direction.
- Ensure that employees are wearing fall protection devices and tied off at anchor points within the bucket.
- Keep guardrails in good condition. Remove trip hazards from floor of bucket.
- Boom load ratings vary with the angle of the boom:
  - Always remember to determine the angle from the center of the crane, not the base of the boom.
  - Safe load limits are usually marked on the crane.
- Keep loads within the lifting capacity of the boom.
- When lifting:
  - Extend the outriggers and make sure the truck is level.
  - Use the lowest possible speed and the highest possible boom angle.
  - Keep the load as low as possible when carrying with a crane.
  - Prevent the swing of a long load by using a tag line.
- When moving a crane without a load, secure the lower end of the boom to prevent the hook from swinging.
- Position the boom in line with the direction of travel.
- Never walk underneath the boom.
- Never climb or stand on the boom.

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