



Company Name: \_\_\_\_\_ Job Site Location: \_\_\_\_\_

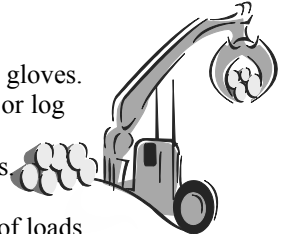
Date: \_\_\_\_\_ Start Time: \_\_\_\_\_ Finish Time: \_\_\_\_\_ Foreman/Supervisor: \_\_\_\_\_

## Topic 269: Knuckle Boom Loader (Part B)



**Introduction:** Know the boundaries and potential hazard areas. Following are safety guidelines for safe knuckle boom loader operations:

**General Procedures:** Always keep an eye out for fellow workers during landing operations. Sound the horn as a safety precaution.

- **Make sure** to read the manufacturer's manual for any attachment used by the loader. Ask for assistance when necessary.
- **Operate** the loader only after all stabilizer legs are properly grounded. Inspect all leg and boom parts before operations begin.
- **Remember** to maintain good visibility at all times; reduce your speed, use proper lighting, and keep the windows clean. Dust, heavy rain, fog, etc. can all reduce visibility. Use the same gear to go up and down a hill. Match travel speed to ground conditions.
- **When** working on steep terrain, position the track wheels parallel to the slope. Always keep the end of the boom close to the ground and to the machine. Remove all standing trees that may be obstacles during loading or delimiting.
- **Place** the loader and the slasher on firm, level ground. Be especially alert working near high banks, fill slopes, etc.
- **Loader operators** must be in control of all traffic and people in the loading area.
- **Avoid** operating where there is a possibility of the grappled load striking other vehicles or structures.
- **Avoid** boom contact with power lines. Do not move any part of the machine or load closer than 100 feet (30.5 meters) to power lines and two tree lengths from guy wires. Never lift, move, or swing a load over personnel, the cab of other machines, or vehicles in area.
- **Always** close the grapple completely around the log. Avoid pinching a log with the grapple.
- **Use** more than one control at a time to give smooth movement. Maintain a clear view.
- **Always** make even piles so logs are parallel and ends match. Piles should be in a level and clear area to prevent logs from rolling.
- **Make sure** to clean all debris from the loading area. Debris may interfere with grappling.
- **Routinely** inspect the slasher saws, and repair or replace any damaged parts as necessary.
- **Use** a tool or stick to turn the chain. Protect your eyes and hands by wearing safety glasses and heavy-duty gloves.
- **Check** the alignment on all parts of the cutting equipment. Use all safety precautions when bucking a tree or log into desired lengths. Maintain proper chain lubrication. Keep equipment in good condition.
- **Operate** carefully when the boom is loaded. Elevated loads reduce machine stability on unstable conditions.
- **Do not** allow deck hands or truck drivers to work near the loader while loader is in operation.
- **Do not** overload trucks. Keep the loads uniform and conform to regulations for height, weight, and length of loads.
- **Use** the release hydraulic to allow attachments or hydraulic cylinders to ground themselves after the machine has been shut down.
- **Always** place the boom in the cradle or on the ground and stop the engine before exiting the machine.
- **Inspect** the sawhead and teeth at the start of every shift or as directed by the manufacturer.
- **Always** ground the attachment when performing maintenance. If work must be performed with the attachment raised, block it up.
- **Use** a safety chain or strap to reduce the risk of the attachment falling. Stop disk before cleaning debris from the sawhead.
- **Always** use a tool or stick to remove debris. Use a tool or a stick to turn the disc (that part of a saw head which severs the tree).
- **Sharpen** and maintain the cutting mechanism for safety and efficiency. Protect hands by wearing gloves.
- **Wear** the necessary personal protective equipment (PPE); hard hat, safety glasses, highly visible vest, gloves, ear muffs or plugs, and safety boots with non-slip soles. Tie back long hair and remove jewelry. Avoid wearing loose and baggy clothing.



**Equipment maintenance strategies:** Remove ignition keys. Lower boom. Block equipment. Put all safety guards in place before restart.

- |   |   |   |  |  |
|---|---|---|--|--|
| <ul style="list-style-type: none"> <li>■ Do not repair parts you can replace.</li> <li>■ Use the right tools for the job.</li> <li>■ Set maintenance priorities.</li> </ul> |  | <ul style="list-style-type: none"> <li>■ Do not just repair something; improve it.</li> <li>■ Do not live with problems; modify and adapt.</li> </ul> |  | <ul style="list-style-type: none"> <li>■ Use the best technology available to you.</li> <li>■ Do the repairs at the right place.</li> <li>■ Use all safety precautions.</li> </ul> |
|---|---|---|--|--|

**Conclusion:** Remember; always maintain a safe distance that will remove all potential for injury of any worker as a result of being struck by or run over by the loader, or its load, or working attachment. Utilize these safety guidelines to protect operators and ground workers.

### Work Site Review

Work-Site Hazards and Safety Suggestions: \_\_\_\_\_

Personnel Safety Violations: \_\_\_\_\_

**Employee Signatures:**

*(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)*


**Foreman/Supervisor's Signature:** \_\_\_\_\_

*These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.*