



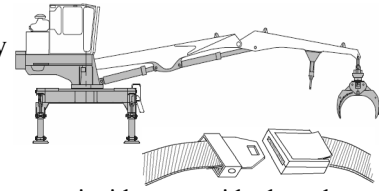
Company Name: _____ Job Site Location: _____

Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

Topic 268: Knuckle Boom Loader (Part A)

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

- **Make sure** to read and understand the manufacturer’s manual before operating the loader. Ask for assistance when necessary.
- **Always** mount and dismount the loader using the 3-points of contact (both feet and one hand or both hands and one foot, facing the machine). Never use the controls as handholds. Do not attempt to jump on or off the machine.
- **Wear** the seatbelt when operating the loader. Do not jump if the loader tips. It is more than likely that you will not be able to jump clear of the machine, in which case you could be crushed.
- **Always** know the safe operating capacity of your machine. When unsure always refer to the operator’s manual. Closely examine for cracks, breaks, or mechanical failure.
- **Keep** hands, feet, arms, and clothing away from moving parts, doors, windows, and screens.
- **Make sure** that workers are at a safe distance from the loader before operating. Do not allow passengers inside or outside the cab.
- **Frequently** inspect the wiring and electrical connections. Check the battery, cables, and alternator.
- **Inspect** the hydraulic hoses for leaks, loose fittings, or damage. Use a piece of paper or cardboard to check for hydraulic or fuel leaks. When leaks occur use a container to catch the fluids. Repair or replace any damaged or defective parts immediately.
- **Check** the fuel, engine oil, and all fluid levels. Maintain all proper levels.
- **Inspect** the tires, brakes, and other mechanical parts for proper operation or failure. Repair or replace before operations begin.
- **Frequently** check the fire extinguisher and always have it available in the cab or on site. Check all fire suppression equipment.
- **Remember;** follow the instructions in the operator’s manual to start the engine. Never attempt to start or operate the machine from the ground. Operate the loader from the operator’s seat only. Make sure the horn and windshield wipers are working.
- **Check** the proper operation of all hydraulic functions (controls, attachments, steering, brakes, and other parts).
- **Do not** operate a machine without a functional parking brake. Check all gauges.
- **Always** park the loader on level ground at a reasonable distance (50 feet/15 meters) from other machines, and lower all attachments.
- **Run** the engine at half speed or less, for approximately 3 minutes before completely shutting the engine down.
- **Always** shut the loader down before fueling and completely fill the fuel tank at the end of the day (or your shift) to prevent condensation from building up in the tank. Never refuel while smoking, or near open flames or sparks.
- **Make sure** to clean all debris (oily rags, paper, cans, bottles, leaves, limb, etc.) from around the loader, off the machine, and from the cab or operator’s area. Do a post walk-around inspection.
- **Remove** debris from the engine compartment, battery area, and other heat producing area of the machines at least once a day.
- **Regularly** clean the machine of oil and grease, and never store oil rags or flammable materials inside the cab.
- **Allow** 30 minutes for the loader to cool down before leaving the site.
- **Before** maintenance or cleaning begins, park all operational parts of the loader, lower the attachment, stop the engine, and lock or tag the switch. Relieve hydraulic pressure in the systems before maintenance or repairs are made.
- **Regularly** perform preventive maintenance by cleaning inside and outside the cab. Perform scheduled maintenance.
- **Never** work under any suspended loose parts. When it cannot be grounded, block it up (placing wood blocks or other similar materials under a part or attachments to prevent it from falling to ground level).
- **Inspect** the cradle (used to rest or retain the log grapple) for any damage or defects. Repair or replace before operations begin.
- **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, remove jewelry (rings, necklaces, watches, etc.). Avoid wearing loose and baggy clothing.



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.)

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Foreman/Supervisor’s Signature: _____
These guidelines do not supersede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.