

## **Machine Operation**

**Only operate the machine while you are in a seat. The seat belt must be fastened while you operate the machine. Only operate the controls while the engine is running.**

**Check for proper operation of all controls and of all protective devices while you operate the machine slowly in an open area.**

**When, the machine is moving, watch the clearance of the boom. Uneven ground can cause the boom to move in all directions.**

**Make sure that no personnel will be endangered before you move the machine. Do not allow riders on the machine unless the machine has an additional seat with a seat belt.**

**Report any machine damage that was noted during machine operation. Make any necessary repairs.**

**Never use the work tool for a work platform.**

**Hold attachments approximately 40 cm (15 inch) above ground level while you drive the machine. Do not drive the machine close to an overhang, to the edge of a cliff, or to the edge of an excavation.**

**If the machine begins to sideslip on a grade, immediately dump the load and turn the machine downhill.**

**Be careful to avoid any ground condition which could cause the machine to tip. Tipping can occur when you work on hills, on banks, or on slopes. Tipping can also occur when you cross ditches, ridges, or other unexpected obstructions.**

**When possible, operate the machine up slopes and down slopes with the final drive sprockets facing down the slope. Avoid operating the machine across the slope. Place the heaviest end of the machine uphill when you are working on an incline.**

**Keep the machine under control. Do not overload the machine beyond capacity.**

**Avoid changing the direction of travel on a slope. Changing the direction of travel on a slope could result in tipping or side slipping of the machine.**

**Bring the load close to the machine before traveling any distances.**

**Bring the load close to the machine before swinging the load.**

**Lifting capacity decreases as the load is moved further from the machine.**

**Make sure that the towing eyes and the towing devices are adequate for your needs.**

**Only connect trailing equipment to a drawbar or to a hitch.**

**Never straddle a wire cable. Never allow other personnel to straddle a wire cable.**

**When you maneuver to connect the equipment, make sure that no personnel are between the machine and trailing equipment. Block up the hitch of the trailing equipment to align the equipment with the drawbar.**

**Check the local regulations, state codes, and/or directives of the job site for a specific minimum distance from obstacles.**

**Before you operate the machine, check with local utilities for the locations of underground pipes and for the locations of buried cables.**

**Know the maximum dimensions of your machine.**

**Watch the load always.**

**Do not operate the machine without the counterweight. The machine can tip when the boom is over the side.**

**The clamshell, the grapple, or the magnet can swing in all directions. Move the joysticks in a continuous motion. Failure to move the joysticks in a continuous motion can cause the clamshell, the grapple, or the magnet to swing into the cab or into a person in the work area. This failure will result in personal injury.**

**Certain machine front linkage combinations (boom, stick, quick coupler, work tool) can allow the work tool to contact the machine undercarriage, swing frame, boom, boom hydraulic cylinder and or the cab. Be aware of the position of the work tool while you operate the machine.**

**Shut down the machine until damaged or non-functioning visibility aids is repaired (if applicable) or until appropriate job site organization is used to minimize hazards that are caused by any resulting restricted visibility.**