

POWER SHOVEL OPERATOR (3558) TASK LIST

SAFETY

1. Inspects the area of an assigned job by verifying the weight and dimensions of the object to be moved or the amount of soil to be excavated; where the crane and/or excavator should be placed to provide sufficient clearance from surrounding structures such as buildings, light standards and trees, safe working distance from power lines (voltage requirements); and takes into account the existence of hidden structures such as sewers, culverts, and basements underneath the crane's location in order to lay out how to safely complete the job and determine the capacity and weight of the crane and/or excavator required.
2. Verifies the load radius and weight to the load chart in order to remain within the manufacturer's specifications for safe operation of the equipment while performing the job.
3. Visually inspects rigging and attachments such as slings, shackles, pins and safety clips for correct position and damages in order to safely hoist or lower the load.
4. Visually inspects equipment daily for problems such as flat rollers, gaulded pins, loose nuts and bolts, hydraulic fluid leaks and proper lubrication on all moving parts in order to maintain safe operation of the equipment and other inspections required by law (such as Cal-OSHA and manufacturer's requirements).

EQUIPMENT OPERATION

5. Moves controls such as levers and pedals in a coordinated fashion in order to control the movements of the equipment such as swinging the house from right to left, raising and lowering the boom, hoisting or lowering loads and extending or retracting the boom on a hydro-crane or excavator (including track, rubber tire, and truck-mounted excavators).
6. Assembles the crane at the job site by raising and pinning the gantry, raising the boom, positioning the outriggers and attaching counterweights with the assistance of the crew in order to prepare the crane for work.
7. Uses hand or horn signals to direct the driver/operator where to position the crane, Gradall or excavator where it can safely do the job.
8. Reads hand signals from the assigned crew member in order to safely operate the crane or excavator such as maintaining sufficient clearances for the boom and counterweight from overhead wires and surrounding structures and people or where the Power Shovel Operator cannot see the load hook or the bucket and relies on the assigned crew member where to position the load hook or bucket during operation.

9. Lowers gradall boom to the ground with the bottom of the bucket flat on the ground and loosens the bolts on the tip of the boom using a wrench in order to remove and change the bucket and/or attachments, with assistance from the assigned crew member, in order to strip asphalt, concrete, grade a slope on a hill, or dig trenches.
10. Replaces bucket teeth by knocking out keeper pin holding the tooth and knocks tooth off using a punch and hammer, cleans shank, if needed, and installs new tooth and drives in keeper pin with hammer in order to change bucket teeth as required due to wear.
11. Controls boom and bucket of a gradall or excavator with levers and pedals in order to maintain desired grade when cutting slopes as marked by survey stakes and hand signals of a grade checker.
12. Lowers crane boom to the ground and removes wedge socket from boom by pulling keeper pin, unbolts cable clamps from cables using a wrench and knocks out wedge in order to free cable for reeving purposes.
13. Strips the crane drum of cable by moving crane controls to rotate drum to unwind cable and removes drum dead-end by unbolting cable from drum or knocking out wedge holding cable in order to remove damaged load line from crane.
14. Reeves cable through the proper point sheaves by following crane manufacturer's instructions and inserts wedge using a hammer to drum dead-end and winds cable on drum in order to install new load line on crane.
15. Reeves load line cable to desired parts of line such as 2-part, 4-part, and 6-part by threading end of load line cable through block and point sheaves in order to increase or decrease the capacity of the crane according to the limits specified in the crane's load chart.

MISCELLANEOUS

16. Drives a vehicle (such as passenger vehicles or large commercial vehicles) in support of crane and excavator operations when traveling from the equipment yard to the job site on public roads.
17. Writes in the equipment's maintenance log and Department's trouble report about any problems such as cutting damaged cable or replacing damaged boom pin clips and cable clamps in order to assure equipment is properly maintained and operated.
18. Writes in the time record form about how working time was spent such as time started working, what job was worked on, what was done, location of the job and time stopped working and gives it to the supervisor at the end of the shift.
19. Injects grease into fittings using a grease gun in order to lubricate moving parts of the equipment such as boom foot pins, controls, idler sheaves and rollers and maintain proper operation of the equipment.

20. Speaks with the job site supervisor in order to receive project instructions regarding the type of equipment being operated in order to complete the job safely and efficiently.