



INSTRUCTIONS FOR USE

EXCAVATOR

Some Personal Protective Equipment will be site specific.

PERSONAL PROTECTIVE EQUIPMENT



*****DO NOT*** USE ANY MACHINERY UNLESS YOU HAVE BEEN INSTRUCTED IN ITS SAFE USE AND OPERATION.**

PRE-START & SAFETY CHECKS

- ✓ Check Fuel tank is full (diesel).
- ✓ Correct oil levels / engine and hydraulics (with rams closed).
- ✓ Correct water level.
- ✓ Check grease points lubricated.
- ✓ Check for hydraulic and engine oil leaks.
- ✓ Check correct buckets for job.

OPERATIONAL SAFETY

- ✓ Locate and ensure you are familiar with all machine operations and controls. As per operators/ maintenance manual.
- ✓ Ensure the machine is sized for the job.
- ✓ Keep machine level when operating.
- ✓ Do not overload bucket.
- ✓ Do not leave engine running or with boom in the air when unattended.
- ✓ Use caution when entering & existing machine (check for other mobile plant movement).
- ✓ Ensure that machine operation is not conducted in close proximity to power lines (minimum of four metres clearance when operating close to overhead wires).
- ✓ Keep clear of beams, branches and other people on site etc.
- ✓ Take extreme care on slippery surfaces and when loading and unloading unit onto trailers or truck.
- ✓ Personal injury can result from rotating and moving parts. Stay clear of all rotating and moving parts.
- ✓ Always start and operate the machine engine in a well ventilated area.
- ✓ Ensure that the area is clear of beams, branches and other people on site before machine operation.

MACHINE STARTING PROCEDURE

- ✓ **STEP 1:** Move throttle lever to 1/3 throttle.
- ✓ **STEP 2:** Cold start / turn key to glow position and hold for ten seconds.
- ✓ **STEP 3:** Start engine Note: some models require the control lever lock arm to be engaged to start engine.

- ✓ **STEP 4:** Check warning lamps are out and all gauges are within their operating range.
- ✓ **STEP 5:** Return throttle lever to idle position and let engine warm up for five minute.

DURING MACHINE OPERATION

- ✓ Operate this machine on even and level ground only or within the machine specifications *as per the operator manual*.
- ✓ The dozer blade (*if fitted*) is always considered to be the front of the machine.
- ✓ Engage control lever lock/s when mounting and dismounting the machine.
- ✓ This excavator can only be used for lifting purposes if:
 - a. It has a certified lifting point.
 - b. It is fitted with hose burst protection valves.

END OPERATIONS & CLEANING UP

- ✓ Lower bucket and blade onto the ground.
- ✓ When parking the machine, shift into neutral and set the parking brake /safety hydraulic lever (some models will still allow the tracks to operate with control lever lock on).
- ✓ Move throttle lever to idle position and allow engine to cool down for three minutes.
- ✓ Move throttle lever to the stop position.
- ✓ Turn off ignition.
- ✓ Turn off machine isolator.

DON'T

- ✗ Do not use faulty equipment. Report any faults immediately.
- ✗ Do not use the engine in a poorly ventilated areas.
- ✗ Never leave the machine running unattended.
- ✗ Move throttle lever to the stop position.
- ✗ Use for lifting purposes if it does not have a certified lifting point / or id hose burst protection valves are not fitted - ****CHECK**** with your supervisor.



This SWP/SOP does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use.