

SOP - Chainsaw - Concrete Cutting

DO NOT use this plant* unless you have been inducted in its safe use and operation by an Authorised Experienced Operator

This SOP may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process. Additional training may be required for high risk plant. Site and task may change required PPE.

PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Long and loose hair must be contained or covered.



Hearing protection must be worn



Foot protection must be worn



Hand protection must be worn



P2 face mask must be worn when airborne dust or fumes are created



Protective body clothing must be worn



Head protection must be worn

POTENTIAL HAZARDS AND RISKS

- i Entanglement**
Entanglement in moving parts
- i Cutting, Stabbing or Puncturing**
Injury from sharp or flying object
Injury from contact with moving parts
Injury from work pieces being ejected
- i Other**
Injury due to operating of plant in unsuitable weather conditions
Hearing damage from excessive noise
Irritation from excessive dust
Contact with hot or cold parts of plants
Injury due to kickback from sharp rotating parts
- i Exposure to High Pressure Fluid**
Injury from exposure to high pressure fluids
- i Slip, Trips, Falls**
Slip, trip, fall due to uneven or slippery work surfaces
Slip, trip, fall due to steep working surfaces
- i Manual Task Injury**
Manual task injury from incorrect manual handling techniques
Manual task injury from repetitive movements
Manual task injury from plant vibration

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Complete site specific risk assessment
- ✓ Complete visual plant check before operation
- ✓ Ensure you are familiar with plant operations and controls
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturers guidelines
- ✓ **Check proper chain tension:** the chain should be loose and easily pulled around the bar by hand
- ✓ Select the proper chain for the material being cut
- ✓ Ensure proper chain installation, the bumper should lead segment into the cut
- ✓ Outline the cut with a permanent marker for a visual cutting guide
- ✓ Check for live services such as electrical wiring, gas, water, telephone etc. near cutting area before commencement of work
- ✓ Extractor fans to be provided in confined spaces or poorly ventilated areas

OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area, ensure work area is clear before operating

- ✓ Always turn off hydraulic pump motor before checking and topping fuel and oil levels or checking blockages
- ✓ Regularly check the hydraulic pump head for blockages and clear as necessary making sure the pump is turned off before handling the pump head
- ✓ Avoid pinching the bar and chain
- ✓ Always cut the bottom of an opening first, then sides and then top. Save the easiest cut till last
- ✓ Plunge cut instead of starting at the top of the wall as this will reduce chatter
- ✓ Always operate saw at full throttle
- ✓ Use wall walker attachment (if fitted) to cut efficiently and reduce user fatigue. Wall walker converts inward force to downward force and gives a 4 to 1 mechanical advantage
- ✓ When cutting heavy rebar, slowly rock the saw to help keep the diamonds exposed
- ✓ Before making adjustments bring plant to a complete standstill and isolate

ENDING OPERATIONS

- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Run saw out of cut with water on for 15 seconds to flush debris from chain, bar and drive socket

- ✓ Wash concrete slurry from saw assembly. Flush out valve handle with water
- ✓ Remove bar and chain, flush out chain tensioner assembly with water and spray with WD40 or CRC
- ✓ Clean hydraulic flush face fittings on saw and power pack
- ✓ Ensure plant is in good working order and stored in the appropriate location

DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not work on unstable ground
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

***Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.**