

# SOP - Hydraulic Crimper

**DO NOT use this plant\* or complete this task 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/work. Site and task may change required PPE.

## PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



Long and loose hair must be contained or covered.



Foot protection must be worn



Hearing protection must be worn

## POTENTIAL HAZARDS AND RISKS

- ⓘ Exposure to High Pressure Fluid**  
Injury from exposure to high pressure fluids
- ⓘ Manual Task Injury**  
Manual task injury from repetitive movements
- ⓘ Electrical Shock or Burn**  
Electrical shock or burn from plant contact with live electrical conductors
- ⓘ Other**  
Injury from contact with moving parts  
Burn injury
- ⓘ Explosion**  
Explosion of gases, vapours or liquids
- ⓘ Slip, Trips, Falls**  
Slip, trip, fall due to uneven or slippery work surfaces
- ⓘ Exposure to Dust/Fumes**  
Exposure to Dust

## 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 the proper dies are securely in place as operating the tool without the dies can deform the crimping heads
- ✓ Check all fasteners for tightness
- ✓ Ensure the tool has sufficient clean hydraulic oil in the piston before operation

## OPERATING PROCEDURES

- ✓ Keep clear of moving plant parts
- ✓ Operate plant to the conditions of the work area
- ✓ Use for intended purposes only
- ✓ Ensure the dies installed in the tool match the sleeve or connector to be crimped
- ✓ Remove any trapped air from the tool by squeezing the trigger 4 or 5 times to advance and retract the piston nearly a full stroke
- ✓ Maintain secure footing and balance at all times
- ✓ When crimping ensure hands and fingers are clear of plant
- ✓ Ensure two hands are used to operate plant  
Maintain a firm grip on both handles during operation
- ✓ Ensure proper connector and cable combinations are used, improper combinations can result in an incomplete crimp
- ✓ The relief valve will sound to indicate a complete crimp. If you do not hear the sound of the relief valve, the crimp is not complete

## ENDING OPERATIONS

- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning
- ✓ Ensure plant is in good working order and stored in the appropriate location

## DO NOT

- ✗ Do not use if plant is faulty. Attach an Out of Service tag and report fault to your supervisor
- ✗ Do not leave plant running unattended
- ✗ Do not insert/remove dies while power is on
- ✗ Do not disconnect tool, hoses or fittings while the power is on or if the hydraulic fluid is hot
- ✗ Do not attempt to crimp wires that are plugged into an outlet and are electrically charged
- ✗ Do not over reach
- ✗ Do not over pressurise
- ✗ Do not wear loose jewellery
- ✗ Do not use mobile phone while operating plant

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