

Safe Work Instruction - 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 SWI 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 SWI refers to any machinery, equipment, appliance, container, implement and tool.