



# INCIDENT ALERT

## General Information

Date of Incident	19 <sup>th</sup> January 2016
Type of Incident	Potential Injury

## About the Person

Occupation of Person	HPWJ Technician
Experience of Person	9 years
HPWJ Training Level	HPWJ Operator
Other Training	Technical HPWJ Pump training
No. of Hours Completed	1.5 hours

## About the Incident

Time of Accident	8:30am
Result of Injury	N/A
Lost Days	N/A
Description of Incident	The pressure relief valve outlet had been fitted with a capping device rendering it inoperable which resulted in the unit's operating pressure building up to a point where the pump failed.
What Equipment Category	Class A unit 200bar
Equipment Used	
What happened unexpectedly	Class A unit stopped at the owner's site.
What Was Person Doing	The Technician was investigating the failure of a Class A jetting unit that had been sent to the supplier for evaluation following an event which rendered the unit inoperable.

## Corrective Action

What Immediate Action	Unit tagged out of service and sent for repair
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## Preventative Action

Elimination	
Substitution	
Isolation or barriers	
Engineering	Safety devices are not to be modified or by-passed. Equipment modifications are to be properly designed and modification control and risk management principles applied.
Administration	Owner informed of HPWJ Standards and compliance
PPE	

## LEARNINGS

Pump owners, users and maintainers should understand and comply with the following.

### Safety pressure relief devices (burst/rupture discs or safety relief valves)

#### AS/NZS 4233.2 2013: 2.6.1 General

High pressure water jetting systems shall be protected by a safety relief device to prevent the pressure of the system from exceeding its maximum allowable working pressure.

The high pressure water jetting system shall have a safety relief device which prevents the pumps maximum allowable working pressure from being exceeded. Where a pressure relief valve is fitted the valve shall actuate at 10% above the pump maximum working pressure. Where a burst/rupture discs are fitted it should be rated in accordance with the manufacturers specifications for such a device.

It shall not be possible to switch off this safety device and it shall be designed and positioned in such a way that it cannot be made inoperative.

### Repairs and Maintenance.

#### AS/NZS 4233.1 2013: 3.4 Repairs.

Repairs or maintenance (other than simple adjustments to, or replacement of, parts) requiring specialist knowledge and which are specifically listed in the manufacturer's instructions shall be carried out by the manufacturer, their agent or a competent person.

