



**BLUE
HEELER**

**Mining and
Construction
Services Pty Ltd**

Safety Alert

At Westcliff Colliery in the NSW Southern District an employee working for a contractor tensioning Megabolts had what was first thought to be a hydraulic injection from a burst hydraulic hose. After being examined at Liverpool Hospital it was found to be an abrasion.

Blue Heeler Mining manufactures the tensioning equipment. All hydraulic fittings and hoses are rated to 10,000psi and aims to have a 4 to 1 safety factor (burst pressure of 40,000psi).

The hose the operator was using was in disrepair with the guard on the end of the hose having slipped down with no protection over the swaging to hose allowing the hose to kink and rupture.

Damaged hose showing guard having slipped down with no protection at swage and hose connection



All hoses are now manufactured with a glued heat shrink sleeve over the guard to stop it sliding down and reducing the ability for the hose to be bent with too tight a radius in the hose protecting the hose where it fits into the swaging.

A safe use guide is now put on all hoses and safe work procedures for using tensioning equipment (copy attached) have been modified to warn operators of dangers.

New style hose with glued heat shrink tube keeping guard in place and stopping hose bending at a tight radius. All hoses have safe use guide attached



Any hoses in use without protective ends should be removed from service.

For any inquires contact Daryl Bird 0418 832 553