Boddington Gold Mine, South West of Perth in Western Australia, has proven the benefits of Broons ‘Square’ Impact Roller by using it almost continuously for the last five months to improve the running surface on their waste dumps.

Danny Foley, Load & Haul Superintendent at Boddington, said they had been using their new Broons’ Box Grader Blade to improve the surface of their dumps but found the material was too coarse to do a really good job. When they re-visited their tyre life records they found that most of the tyre damage was occurring on the dumps so they re-introduced their Broons BH-1950MS ‘Square’ Impact Roller back into their work practices and the results began to show.

“The Impact Roller is virtually working continuously with a dedicated road crew who are very positive about it. It’s being used very successfully,” Danny said.

“We have picked up about 1000 hours in the last year and the majority of that has been in the last five months since the Impact Roller has been introduced. We’re seeing a lot of benefits and the waste dumps have improved tremendously,” Danny concluded.

Danny has a new tow unit on the way for the Broons Box Grader Blade and using it in conjunction with their BH-1950MS Square Impact Roller he expects the improvements will continue.

The Impact Roller rubbilises rock as a way of improving the mine’s tyre management regime and at the same time reduces mechanical wear and tear on haul truck suspension and associated components. It has proven its worth at a number of mines throughout Australia and has been used extensively overseas for compaction of fill on mines and large scale civil engineering projects.

Towed by a 270-330hp tractor, Broons manufacture two models of Square Impact Roller dedicated to working in the mining sector. Their 1.3 metre wide 8 tonne module (BH-1300MS) and wider 1.95 metre 12 tonne module (BH-1950MS) units quickly reduce the sharp-edged penetrating rocks enabling haul trucks to travel easily without the fear of tyre damage. A specially designed registered wear plate package protects the module faces from rock damage and the reinforced frame gives the unit added strength for the tough conditions found on all mine sites.

Broons can be contacted on (08) 8268 1988 or info@broons.com to further explain how mining companies can benefit from using this unique technology.