

# BRADKEN

## SUCCESS STORY

### Dump Chain and Shackles

Bradken's Dump Chain and Shackles have proven to be a hit in Canada's largest surface strip coal mine that covers more than 12,600 hectares and has been operating since 1970.

<b>Location:</b> Highvale, Alberta, Canada (TransAlta)
<b>Machine:</b> Marion 8050 Dragline
<b>Product:</b> Dump Chain
<b>Conditions:</b> Heavy duty digging



3" Dump Chain in service



3" Dump Shackle



3" Dump Chain after 2million BCM's

#### Background:

Highvale were looking for a way to extend the life of their dump chain and that is where Bradken stepped in to showcase the **Harmonise** Dump Chain and Shackle package to Highvale. The package highlighted the potential increase in product life that could be provided with Bradken's value added offering.

#### Solution:

On April 30 2014, Bradken's Dump Chain and Shackles were installed on a Marion 8050 Dragline. In the past, the competitor chain typically lasted around the 1.9million BCM mark before the chain was changed out. As of late July, the Bradken chain has surpassed this milestone with ease, with only minimal wear showing.

Another key advantage of Bradken's Dump Chain is the ability to flip the chains end to end in only 15mins compared to the competitor's offering which took a minimum of four (4) hours. Site has noted the performance of the chain, the cost saving benefits and the "...ease of use required by maintenance crews" that the product has brought to their operations.

This is not a one off success story with another site in the USA also running Bradken's Dump Chain which has now doubled the life of the previous competitor. The competitor offering was running between 2.2 - 3 million BCM's before change out, Bradken's dump chain has surpassed 7 million BCM's and still going, saving site both money from previous downtime and maintenance costs.

#### Benefits:

Bradken's **Harmonise** Dump Chain and Shackle products has provided customers in North America with the peace of mind knowing that they have a system that has the following benefits over competitor products:

- Increased service life/time between change outs
- Fast change out resulting in reduced labour and maintenance costs
- Reduced chain mass, which reduces the overall mass of the rigging package
- Optional rail and crutch treatments for dump chain to increase product life
- Increased crutch thickness in high wear areas, improving wear life and fatigue.

For more information on dump chain and how it can give your mine site the advantage, visit [bradken.com](http://bradken.com) for your local representative.