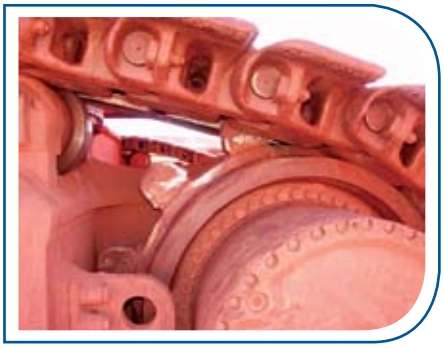
BRADKEN
SUCCESS STORY

Crawler Systems EVOLUTION®

Terex O&K RH170 Backhoe



Conventional nut and bolt pin retention system

Maximum service life – minimum down time

Location	Mt Whaleback Site – Newman WA
Machine	RH170 Backhoe
Conditions	Hard Rock – Iron Ore
Product	Evolution RH170 Crawler Shoes

Mt Whaleback in Western Australia's Pilbara region is a world class producer of high grade Iron Ore.

The customer is currently running an RH170 Backhoe for both direct mining bench work and mine face clean up after the shovels have completed their work.

The inherent nature of a backhoe is to pull dirt back onto its tracks. This, combined with the naturally abrasive ore body and the high travel ratio of the backhoe, leads to higher than anticipated crawler shoe wear. The original OEM shoes achieved less than 14,000 hours and were unable to be refurbished.

The machine was fitted with a set of Bradken Evolution shoes to enhance wear life and minimise down time.

The Evolution shoes provide a number of innovative enhancements to provide superior wear life.

- The continuous case hardened roller path reduces material flow and extends roller life.
- The un-bushed, case hardened pin bores eliminate pin bush failure and reduced pin lug stretch.
- A conventional nut and bolt pin retention system is used to provide a simpler, safer and more cost effective alternative to the traditional circlip method.
- The heavy duty structural integrity of the shoe significantly reduces the incidence of wing breakage.

Since being fitted with the Bradken Evolution shoe the RH170 has completed a further 16,500 hours in service and is still going well. A mid life rebuild (re pinned and bushed) at 14,000 hours should see the service life extend beyond 20,000 hours.

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