

Success Story

Quarry Rock - Carryback & Spillage

KINDER 
EXPERIENCE INNOVATION PRODUCTIVITY

40
YEARS
OF INNOVATION



Kinder Australia Product:

Eraser™ Primary Belt Cleaner

Product Category:

Belt Cleaning Systems

Location:

New South Wales

Conveyed Materials:

Raw aggregate for asphalt production

Belt Width:

750BW

3-Hour Install. Zero Carryback & Spillage. \$1,000 Saved/Fortnight.

OVERVIEW

A major asphalt production quarry in New South Wales recently sought to address long-standing conveyor performance issues that were causing material spillage, excessive carryback, and unplanned maintenance downtime. As a high-throughput operation supplying raw aggregate for asphalt manufacturing, the reliability and cleanliness of its conveyor system were critical to maintaining production efficiency.

Having previously installed various Kinder products across the site with strong results, the maintenance team again turned to Kinder Australia for a robust, proven belt cleaning solution.

CHALLENGE

Previously the quarry had no primary belt cleaner fitted to its 750BW conveyor transporting raw aggregate. This absence of effective cleaning led to persistent material carryback and buildup along the structure, eventually contributing to severe spillage and even damage to head pulley bearings.

The accumulated material required constant manual cleanup and created unnecessary equipment wear, ultimately compromising productivity.

The site's maintenance team recognised that a reliable primary cleaner was essential to prevent further escalation of these issues.

- Persistent carryback causing spillage and material buildup.
- Damage to critical components, including head pulley design.
- Costly ongoing manual cleanup requirements.



Image: Eraser™ Primary Belt Cleaner.

SOLUTION

Kinder recommended the **Eraser™ Primary Cleaner** as the most suitable solution for the application. Designed to perform reliably in heavy-duty quarrying environments, the Eraser™ cleaner provides consistent belt contact and effective material removal, supported by a torque-style tensioning system engineered for accurate, low-maintenance adjustment.

Installation took only three hours, requiring minor fabrication modifications to suit the existing structure, but the overall process was described as straightforward and efficient. The team found the tensioning mechanism particularly easy to set, allowing them to commission the unit quickly and with confidence.



RESULTS

- Reduced daily clean-up staffing, saving approximately \$1,000 per fortnight.
- Instant reduction in carryback and elimination of previous spillage.
- Minimal ongoing maintenance due to reliable torque-style tensioning.
- Reduced equipment wear and less downtime from material related damage.

The Maintenance Supervisor reported that after the severe consequences of previous carryback - including bearing failure and costly downtime - the impact of the Eraser™ cleaner was both measurable and appreciated.

“Installing the Eraser™ primary belt cleaner was a very easy process. The belt cleaner was recommended so we went ahead, and the results speak for themselves on how good this product is. It has saved us a lot of downtime and clean-up since installation.”

The site now operates with greater efficiency and reliability, supported by a belt cleaner designed to meet the demands of heavy aggregate production.

The success of the installation has reinforced the quarry's confidence in Kinder's product range, and the team has expressed a strong intention to implement the Eraser™ cleaner across additional conveyors requiring improved belt cleaning performance.

“The installation is expected to reduce staff required for daily clean-up, delivering estimated savings of approximately \$1,000 per fortnight, along with additional reductions in bobcat fuel usage, manual labour, and overtime costs”.



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