

ASGCO®'s New Semi-Ceramic Pulley Lagging Solves Slippage Problems at This Canadian Cement Plant

Industry: Cement Plant

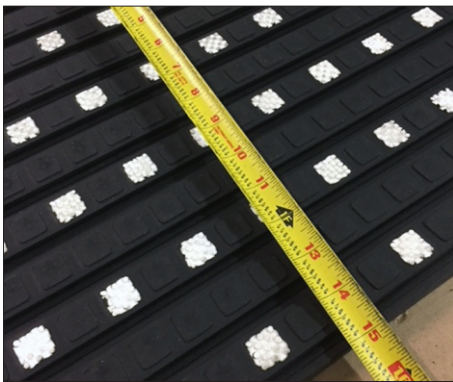
Application: Large stacker conveyor carrying limestone

Product: ASGCO® Semi-Ceramic™ Pulley Lagging

Objective: To eliminate belt slippage problems while minimizing belt wear.

Challenge:

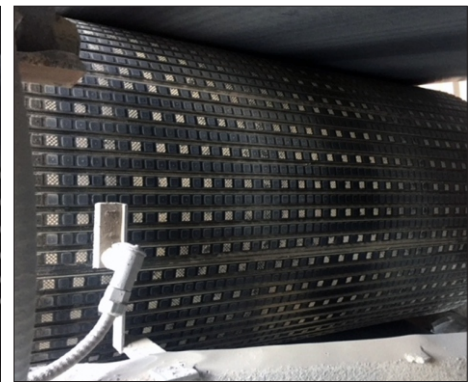
This cement plant's stacker conveyor was experiencing tremendous belt slippage problems that the conventional rubber lagging they were using failed to correct. The harsh wet and cold environmental conditions were tough on the belts and caused the rubber lagged pulleys to wear out quickly. The customer had been adamantly opposed to the use of ceramic pulley lagging, feeling it was too tough on the conveyor belts. A solution was needed that would correct the belt slippage and wear problems while addressing these concerns at the same time.



ASGCO® Semi-Ceramic® Lagging strips are 15" wide for more coverage and less seams.



ASGCO® Semi-Ceramic® Lagging strips being installed on the pulley



ASGCO® Semi-Ceramic® Lagging installed on the stacker conveyor.

Recommendations/Solutions:

After careful consideration it was recommended to use ASGCO®'s NEW Semi-Ceramic™ Pulley Lagging to correct the slippage and premature wear. This lagging product line features 40% ceramic coverage which addresses the customer's concern about the use of ceramic lagging on the belt, while also providing the solution for the slippage that can tear at the back of the belt. This new, improved lagging is excellent in wet or muddy conditions, such as those present at this cement plant. The increased traction delivered by the ceramic allows for lower belt tension and less downtime caused by the excessive wear of the rubber lagging. ASGCO®'s Semi-Ceramic™ Lagging was a 'win-win' scenario for the customer.

Results:

After 6 months of use there has been 'zero' (0) wear on the belt and 'zero' (0) wear on the lagging. The condition of the belt continues to look as good as the day the newly lagged pulleys were installed. Since the ceramic strips are wider than the competitor's strips, there are less seams and less chances for fugitive material to get under those seams and break it down. The customer is very satisfied with this new product!