

Up For The Challenge...ASGCO®'s Mini-Skalper® IV Solves Major Carry-back Issue At This North-Western Sand and Gravel Facility!

Industry:	Sand and Gravel
Application:	Primary Crusher Conveyor, 14" Head Pulley, 60" Belt Width, 20 Degree Troughing Idlers, 400'/min
Product:	ASGCO® Mini-Skalper® IV with E-Z Torque® Tensioner
Objective:	To solve major carry-back issues in a minimum of clearance space for clean up.

Challenge:

This sand and gravel plant was experiencing massive build-ups of carry back. The challenge was to be able to install a conveyor belt pre-cleaner that could eliminate the carry-back and provide better cleaning efficiency in an extremely limited space. Manual excavation everyday with continuous high pressure water on the ground was being used to prevent the build up. This process caused increased labor and housekeeping problems and became very costly to the customer. Also the water on the floor surrounding the conveyor was contaminating the product.

Recommendations/Solution:

To eliminate the carry-back problem within the limited space, the recommendation was to install ASGCO®'s Mini-Skalper® IV system with E-Z Torque® Tensioner. This pre-cleaner is designed for small diameter pulleys where space and size is a factor. ASGCO®'s Mini-Skalper® IV system is ideal in situations where the head pulley is less then 16" (400mm) in diameter or tight locations.



BEFORE
Water on the floor from cleaning up the carry-back with high water pressure.



Mini-Skalper® IV installed on the head pulley.



AFTER
Clean floor after installation of Mini-Skalper® IV.

Results:

After installation of the ASGCO® Mini-Skalper® IV pre-cleaner, the need for continuous high pressure cleaning was eliminated. Clean up is now reduced to once every other week. The belt operates much more efficiently, spillage has been virtually eliminated, and the lifespan of the belt will increase dramatically. This plant now experiences much less downtime, requires far less clean up and promotes a much safer working environment for its employees.

MINI-SKALPER®

Primary Belt Cleaning
System with
E-Z Torque®
Tensioner



- **EXCELLENT PERFORMANCE** - Effective cleaning edge throughout, Unique horizontal sipes (wear-grooves) across the entire width of the blade cleaning edge.
- **E-Z TORQUE® TENSIONER** - Made of all 304 stainless steel, allows the blade to self-adjust.
- **QUICK-CHANGE BLADE** - Stainless steel pin blade change-out system is a quick, no-tool operation.