



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Belt Cleaners

INDUSTRY: Mining

LOCATION: Arizona



PROBLEM

Spillage and carryback were accumulating at the tail section of one conveyor. This area could not be cleaned without shutting down the associated ball mill (which grinds copper ore) and locking out the conveyor. Several other manufacturers attempted to solve the carryback problems with no success. The plant even constructed its own homemade cleaners which eventually failed.

Spillage and carryback has always been an issue at the tail section of the conveyor. In order to correct the problem, Martin mounted two cleaners on the head pulley.

SOLUTION

Martin installed two belt cleaners on the face of the head pulley. There wasn't enough room to modify the dribble chute to accommodate any secondary cleaners so two cleaners were squeezed into a very small area.



Martin® primary cleaner and a metal tipped secondary Cleaner

RESULTS

Upon successfully installing two belt cleaners on the face of the head pulley, within one week of operation, the belt was carryback free - for the first time EVER. The satisfactory results have led the plant to upgrade other belts to this dual-cleaner system and are considering transfer point upgrades and service arrangements with Martin Engineering.