PROBLEM SOLVED™ PAPER

SOLUTION: Martin® QC1™ Cleaner and Martin® SQC2S™ Cleaner

INDUSTRY: Cement

LOCATION: Coke Plant in Cadereyta Mexico

Before - The refinery experience spillage from materials sticking to the belt on the return.

The multiple cleaner system created by Martin is now the standard for applications on belt conveyors.

After - The belt cleaners, installed by Martin, stopped the spillage and reduced maintenance and increased production.

PROBLEM

A large cement company in Mexico supplies petroleum coke to one of the largest power plant in the state of San Luis Potosi in Mexico. Petroleum coke is the sole fuel for this power plant, delivered from the nearby Cadereyta Refinery.

The refinery was experiencing spillage from materials adhering to the belt in the return. The operating staff had to manually clean the area and return the material back into the belt, creating unnecessary risk to workers and slowing down production, therefore increasing operating costs. The spillage was due to wet material that would stick to the belt, and then fall into the return rollers along the conveyor, causing roller damage and shortening their life span.

SOLUTION

After reviewing the problem, Martin Mexico recommended installing the Martin® QC1™ Performance Duty primary Cleaner and a Martin® SQC2S™ secondary Cleaner. The Martin® QC1™ Cleaner features a curved one-piece urethane blade for long belt cleaner life, and quick-change blade replacement. The Martin® SQC2S™ Cleaner incorporates individually-cushioned tungsten carbide blades for effective conveyor belt cleaning without risk to belt, splice or blade.

RESULTS

The newly installed Martin belt cleaners reduced the number of stops in production to clean along the conveyors. Also, reduced the need for maintenance and increased the lifespan of the conveyor components and the replacement parts.

The customer was very satisfied with Martin's recommendation and installation of the new belt cleaners. They praised Martin Mexico's team for improving worker safety and increasing production.

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