Railside Car Shaker

Unloading Return on Investment

Rapid discharge unit trains, delivering coal to a Southeastern coal fired power generating facility, were not completely unloading. The coal “carry back” was significant, but even just one percent in a 100 car train equates to one full car of coal being carried back across country to the mine. The solution, with a quick ROI, was the NAVCO Railside Car Shaker.

The manufacturer of the railroad cars was working with the power plant to solve the problem and contacted NAVCO. NAVCO suggested a trial of their Railside Car Shaker and worked with the railcar manufacturer and the plant to deliver, locate and install the NAVCO Shaker. A NAVCO engineer was on site to assist with the successful test.

Subsequent to the on-site trial, NAVCO supplied a Railside Car Shaker unit for testing on an instrumented empty car at the railcar manufacturing site. This trial confirmed the railcar response.

Railside Car Shaker Product Summary

The NAVCO Railside Car Shaker is a permanently mounted vibration system designed to speed the loading and unloading of bulk material from railcars. The Railside Car Shaker is effective in loosening material from the railcar walls during unloading and in material densification during loading. The Railside Car Shaker facilitates a more “complete cleanout” of the railcar, reducing “carryback” material thereby reducing average transportation costs.

The Rolling Railside Car Shaker extends to contact and shake the railcar as it rolls by (railcars do not need to come to a stop during operation). This unit features a contact surface made of composite slider blocks reinforced with heavy duty mechanical tubing to withstand the rigors associated with contacting moving cars and to provide maximum service life.

Both the stationary and rolling models are available in pneumatic or electric. They may also be operated from a remote location.