

Engineered vibration speeds discharge of bulk trucks

UK road haulier Brian Humphries Haulage has installed high-performance 24V truck vibrators to several of its dry bulk transport vehicles which are employed to carry grain, animal feeds and various materials with poor flow characteristics such as sugar beet and green waste compost. Thanks to these devices tipping times are reported to have been halved, as a result of which much faster turnarounds are now possible, allowing more runs per day to be achieved. They have also helped improve safety by removing the need for manual cleanout. Company officials have also cited reduced stress on truck brakes and body mounts among the benefits, as drivers no longer need to resort to sudden stop/starts in an effort to break loose stubborn loads. Previously when green compost was being carried, 1000kg or more of residue would often cling to the truck bed, most of which needed to be removed manually by shovel.

The vibrators, manufactured by Martin Engineering subsidiary Cougar Vibration of Peru, IL, are the model DC-3200, an electric design that delivers 4000 vibration cycles per minute with 3200 pounds of force, while drawing just 62 amps from the 24V version. They were supplied by Martin Engineering's UK office. www.cougarvibration.com



By using a 24V truck vibrator to discharge sticky bulk materials more efficiently, Brian Humphries Haulage has cut tipping times by half