BEST PRACTICE

LOCATION:	**Quarry**	**ARTICLE YEAR**	**2014**
ACTIVITY:	**Maintenance & Housekeeping**	**COMPANY:**	**Lafarge Tarmac**
SUB ACTIVITY:	**N/A**	**COMPANY LOCATION:**	**Mountsorrel Quarry**
BEST PRACTICE No:	**BP908**	**COMPANY TEL:**	**07986 755517**
COUNTRY OF ORIGIN:	**United Kingdom**		

TITLE

Return roller bracket for conveyor

ARTICLE

DESCRIPTION

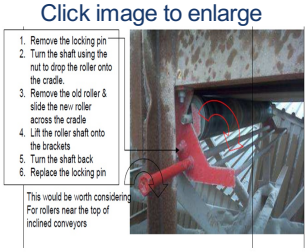
A maintenance engineer at Mountsorrel Quarry has designed a return roller bracket that addresses a range of issues that traditionally made the task of replacing the return rollers difficult and potentially hazardous. The bracket removes the de-weighting issue by replacing the return roller's normal locating points with a permanent purpose built cradle. Instead of removing the weight of the belt by raising the belt the weight is removed by pivoting the cradle downward and dropping the roller down into a 'cage' below the active conveyor. The cradle allows the roller to then be easily removed or replaced without risk of the roller accidently falling, when in place the cradle has been designed to enable the roller to be easily lifted back into position.

BENEFITS

- Reduces risk for maintenance fitters who no longer struggle holding rollers for installation
- The roller can be slotted onto the catchment area with only a 30mm spanner required.
- Eliminates need to use mobile elevated work platforms on conveyors with one-sided walkways
- Eliminates risk of the return rollers falling during installation or failure
- Halved the maintenance time required to replace rollers
- Bracket can be easily and relatively cheaply fitted to existing conveyors

ARTICLE IMAGES

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Image of roller before