BEST PRACTICE

LOCATION:	**Quarry**	**ARTICLE YEAR**	**2015**
ACTIVITY:	**Production and Processing**	**COMPANY:**	**Hanson UK**
SUB ACTIVITY:	**Aggregate processing**	**COMPANY LOCATION:**	**Cefn Mawr Quarry**
BEST PRACTICE No:	**BP1947**	**COMPANY TEL:**	**07966 499299**
COUNTRY OF ORIGIN:	**United Kingdom**		

TITLE

Primary crusher wobbler improvement

ARTICLE

DESCRIPTION

Inspite of previous improvements made to the wobbler system in the primary crusher at Hanson's Cefn Mawr Quarry, there were 16 wobbler stops during a six month period. These required employee intervention to clear blockages and reset the system. This was a hazardous task in a restricted workspace and resulted in more than 13 hours of lost production.

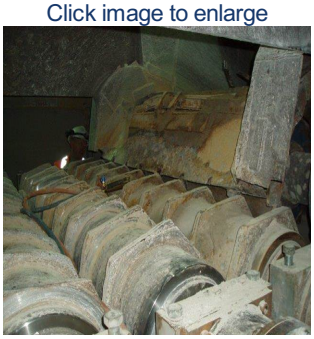
A root cause analysis, carried out by the quarry team, found that the one metre drop height from the laminator was causing large rocks to stun the wobblers dead. It was decided to remove the first wobbler from the system and replace it with a 30mm reinforced plate, set 500mm from the laminator, to reduce the impact and allow the stone to roll onto the next wobbler. This has been a very successful solution to the problem.

BENEFITS

- Significantly reduced down time and stoppages
- Reduced need for hazardous manual intervention
- Good feed rate maintained
- Reduced wear rate on wobblers
- Power consumption reduced by 20%
- A safer working environment

ARTICLE IMAGES

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Before

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After