


BEST PRACTICE

LOCATION: Quarry
ACTIVITY: Maintenance & Housekeeping
SUB ACTIVITY: N/A
BEST PRACTICE No: BP99

ARTICLE YEAR: 2005
COMPANY: Aggregate Industries UK
COMPANY LOCATION: Peckfield Quarry, Leeds
COMPANY TEL: 01132 877482

TITLE

 On Video

Fitting of conveyor belting

ARTICLE

Following an incident involving a hoist chain slipping off the end of a metal tube used to lift a replacement reel of conveyor belting, this quarry designed a secure support arrangement for the conveyor belting roll.

The newly designed equipment consisted of a 1.3m long tubing of 75mm O/D with a wall thickness of 5mm. Fitted to each end of the tubing were locking collars each secured by means of two 12mm bolts. Two lifting eyes were attached to the tubing, made from profiled cut 12mm plate with machined bores to slide on the tubing so that any width of belting could be accommodated.

Plastic caps were fitted over the ends of the tubing to stop dirt entering, causing internal corrosion. The equipment was treated as an item of lifting equipment and was tested to a SWL of 2 tonnes, with an appropriate certificate issued.

Seven of these supporting beams were manufactured by Selby Engineering, and distributed to quarries within the area at a cost of only £130 each.

ARTICLE IMAGES



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