## **BEST PRACTICE**

| LOCATION:         | Transport                   | ARTICLE YEAR:     | 2005                        |
|-------------------|-----------------------------|-------------------|-----------------------------|
| ACTIVITY:         | Manual handling and storage | COMPANY:          | CEMEX UK Materials Scotland |
| SUB ACTIVITY:     | N/A                         | COMPANY LOCATION: | Not applicable              |
| BEST PRACTICE No: | BP166                       | COMPANY TEL:      | 0191 378 7711               |

| TITLE  | 💿 On Video |  |
|--|------------|--|
| Barrel transport device  |            |  |
| ARTICLE  |            |  |
| CEMEX LIK Materials Scotland has devised a simple but effective system for transporting 210 litre barrels of gas oil |            |  |

CEMEX UK Materials Scotland has devised a simple but effective system for transporting 210 litre barrels of gas oil around the site for the refuelling of heavy plant and engine driven pumps, whilst maintaining compliance with both environmental and health and safety legislation.

The company decided to make use of its existing barrel transporter, which consisted of a meshed frame with two lifting lugs, which in the past had been used by suspending the cage from a loading shovel. A false bottom was created onto the existing cage and a frame constructed so that the cutting edge of the loading shovel could slot in beneath the cage. Once the bucket is engaged, it is then tilted back fully, allowing the barrel transport device to be held within the bucket of the machine. No restraining is required as the weight holds the device safely in place inside the bucket.

The meshed sides of the transport cage were removed and replaced with steel plates, which were welded into place. The transport device was then filled with water and left overnight to ensure no leakage. The company fitted a 24-volt transfer pump to the transport device to minimise risk of contamination. This allowed CEMEX to maximise use of its hired plant by reducing the amount of time spent fuelling, leading to a more efficient site. As the transport device is bunded, there is less risk of ontamination to the environment and personnel.

## ARTICLE IMAGES





Barrel transport device

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