

## 1.14

## Steel: Concrete steel pipes damaged due to poor loading and unloading procedures

The vessel had loaded a cargo of concrete-coated pipes. Some of the pipes had been stored in the port without any cover, there was damage to the cement coating, rust, scratches, broken and missing strapping bands, so the Master clausued the bill of lading.

### Lack of protection

During loading, some of the pipes had no protection towards the bulkhead. There was also a lack of dunnage between the different layers of pipes.

In the discharge port the surveyor claimed that the pipes had been further damaged during the voyage. Some pipes were also damaged during discharge as they hit the ground and were dented as a result of carelessness by the stevedores. It was found that stevedores did not use proper dunnage and did not protect the pipes from touching the ground.

The cargo had damaged edges and barrels, cement chipped off, cracked sockets and other damage. The pipes with damaged edges and cement chipped off could be repaired but the pipes with compressed barrels and cracked sockets could not.

In the storage area the pipes had no proper dunnage or cover.