

# Safety and health alert

## 27/95 Dogger run over by tractor crane

### Incident

A certificated dogger was run over by a mobile tractor crane at a ship building firm in Henderson in August 1995.

The dogger guided a suspended load while standing between the load and the tractor crane while it was in motion. His foot was caught by a front wheel and the tractor crane ran over him, crushing his legs and pelvis.

*This type of incident occurs several times a year in Western Australia.*

### Factors

**The dogger stood in a hazardous position -- between a tractor crane and its suspended load.**

The tractor crane did not have a pre-warning bumper.

### Recommendations

1. Tie suspended load to crane whilst mobile.
2. No person should ever enter the prohibited zone between a tractor crane's wheels and a suspended load.
3. Tag lines allow doggers to guide suspended loads from a safe distance.
4. All mobile tractor cranes should be fitted with pre-warning bumpers.

### A SUGGESTED PRE-WARNING BUMPER

A bumper guard could be bolted to the axle (to eliminate transverse welds), and the bumper should be at the same level as the axle centre.

1. Bumper length: equals overall width of crane plus 50mm.
2. Flap width: equals tyre width plus 25mm.
3. Bumper material: 75mm nom. bore pipe or 127mm x 64mm RSC.
4. Flap material: 12mm thick conveyer belting.

### Further Information

Further information can be obtained from the WorkSafe internet site [www.worksafe.wa.gov.au](http://www.worksafe.wa.gov.au), or by contacting customer service on 1300 307 877 or email: [safety@docep.wa.gov.au](mailto:safety@docep.wa.gov.au).

