

SAFETY ALERT



AUSTRALIAN STEEL INSTITUTE
SAFETY GROUP

"Sharing incident learnings amongst ASI member companies"

"A vision of a safer steel industry"

Number:	SA0016
Subject:	Failed lifting lug on crane C Hook
Date:	September 2006

Incident:

- An operator was offloading a coil from a rail wagon using a remote control. The coil was lifted and began to move toward the storage area when the Bobbin (lifting lug) on the C Hook failed. The coil and C Hook fell onto the edge of the rail wagon (from a height of ~ 1m) and then onto the ground. The crane driver was observing the 5m rule. However, the crane driver sustained slight strain injuries to his back and foot in moving to avoid the coil and C Hook.



Key Lessons:

- Following the 5m rule when working with cranes is essential.
- Inspection programs need to be audited regularly to ensure they are adequate.
- When acquiring new facilities change management should consider equipment inherited against standards, and inclusion into registers for inspection.

Recommendations:

- The second C Hook was immediately taken out of service and sent away for a weld repair to remove the cracks. The failed C Hook has been redesigned and is in the process of having the new design fabricated. Once this has been complete the second C Hook will be taken out of service and have the design implemented.
- All other lifting equipment (Lifting Beams) is being inspected by NDT.
- An inspection program involving regular NDT is being scheduled.
- A review of inspection procedures for all equipment is underway.

For further information please contact **Ian Cairns** – National Safety Group Co-ordinator:
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