

Crane Overhead Windows Dropped Object Protection**What happened?**

During a recent NOPSA inspection of an offshore facility it was noted that the pedestal cranes on the facility did not have any grating protection for the overhead windows of the crane. Figure 1 shows a crane without drops protection and figure 2 shows a crane with drops protection on the overhead window.



Figure 1 – no drops protection.



Figure 2 – with drops protection

What could go wrong?

The American Petroleum Institute (API) specification 2C section 12.2 recommends that if a crane cab is equipped with an overhead window, a grating or other protection should be placed over the window to prevent debris from falling on the operator.

In carrying out a hazard and risk assessment of crane operations, the last line of defence or last line escalation factor against dropped objects affecting the crane operator is a physical barrier. Safety glass will not provide the same physical protection against dropped objects as a steel grating.

Key Lessons:

It is recommended that all operators carry out an assessment to confirm crane overhead windows are physically protected and not just reliant on safety glass.

Contact

For further information email alerts@nopsa.gov.au and quote Alert 29.