

SAFETY ALERT



ABZ

SE/OPS

2007

Incident:

During routine checks an Oxygen quad was found connected to a compressor seal system instead of Nitrogen.

- The Oxygen Quad had been dispatched in error from the supplier who had been given an order for Nitrogen.
- There was adequate labelling on the side of the quads but not the front and back where the fittings were located. When sat next to each other the side signage is not visible; the front signage only has two small labels as indicated in the attached photos..
- The fittings on the nitrogen quad and oxygen quad are the same type.



Front View



Side View

Potential: Major compressor damage could occur if Oxygen was introduced into compressor seal system.

Reference: Regulation: EN-1089 Technical Information Sheet No.6 Rev1 2005.
Cylinder Identification

Actions:

Pack was returned from platform and confirmed as Oxygen.

1. Supply company's QA/QC procedures modified.
2. Oxygen Packs to be re-labeled with 250 x 250 Compressed Gas and Oxidizing agent labels on the outlet side of the Pack along with the named content at connection fitting.
3. Consider using 300Barg N2 Bottles which have a different connection fittings to other compressed gasses in this field.



Modified labeling system



200 bar connection v 300 bar connection

Recommendation: It is important to read the cylinder labels to identify the cylinder contents **and not rely on the colour** of the cylinder: this should only be a secondary means of identifying a cylinder's content