Necessity to harness customer feedback
the user’s view

Troy Felts
Head of Health and Safety
Hanson UK
<table>
<thead>
<tr>
<th>Benefit</th>
<th>Gain to the industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safer access</td>
<td>Reduction in accidents</td>
</tr>
<tr>
<td>Integrated design</td>
<td>Less downtime and issues around durability of machines</td>
</tr>
<tr>
<td>Improved operator interface and ergonomics</td>
<td>Operator comfort and well being of operators</td>
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<tr>
<td>Consistency of functionality</td>
<td>Reduced risk of accidents caused by operator error</td>
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</table>
Illustrations of the problems arising from poor design

- Access to inspection points and risks from working at height with no protection

- Would the OEM access provided on this machine satisfy the requirements of the working at heights directive?

- Is fall protection adequately provided for?

- Who will be held accountable for a life threatening head injury to an employee?
The pick up truck stands 1.8 metres to the roof, how high does this make the top of the access ladder?
What prevents the operator from falling off these walkways?
Bolt on equipment issues
More equipment to prevent injury and damage
More equipment to prevent injury and damage
More examples of side and rear sensors
Sharing best practice and lessons learned in the UK

- Mineral Products Association (MPA)
  www.safequarry.com

- UK Health and Safety Executive (HSE)
  www.hse.gov.uk

- Safety Alerts internally and from our competitors!

- Accident reports, route cause analysis and panel of enquiry

- Operator knowledge, skills and experience
Safety alerts

HC AID Alert

The following information is to alert you to a recent incident and may help in avoiding future occurrences in your workplace.

<table>
<thead>
<tr>
<th>HC AID No.</th>
<th>226</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Line</td>
<td>Aggregates</td>
</tr>
<tr>
<td>Company/Plant/Country</td>
<td>Českomoravský bit, a.s., Ondřejovice, Czech Rep.</td>
</tr>
<tr>
<td>Date - Time</td>
<td>2009.06.25, 11:30</td>
</tr>
<tr>
<td>Lost days</td>
<td>more than 133 days</td>
</tr>
<tr>
<td>Status</td>
<td>Own employee</td>
</tr>
<tr>
<td>What happened</td>
<td>While the employee was getting off the excavator (DH 811) on the platform in front of the cabin, he slipped, lost his balance and fell on the ground. He broke his right heel bone.</td>
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</tbody>
</table>

While leaving the cab of his loading shovel an operator jarred his back. He did not secure the door & also did not realise that the fixed handrail was wet causing him to lose balance & fall from the bottom step.

To ensure safe access & egress:
- Inspect steps & handrails
- Ensure that doors with handrails attached to them are safely secured
- Ensure steps & handrails are clean
- Always maintain 3 points of contact
- Be extra vigilant when entering or exiting mobile plant in wet or cold conditions
Location: South

Date: May 2010

Recently found examples of unsafe access and egress to mobile plant.

Example 1 – loading shovel with damaged steps, uneven footfalls, bent rails & split rubber on the bottom step.
Example 2 - hydraulic excavator with the walkway & powered access steps removed.
Example 3 - loading shovel which had damaged offside access steps that were removed for repair but not fitted back on.

For information on the above please contact Darren.herbert-white@hanson.com or steve.hamar@hanson.com.
SAFETY ALERT
Business: Aggregates
JCB Glass Door Hazard

Region: South West  Location: Whatley Quarry  Date: 20.03.08

Shattered Glass Door Panel
Door latch without rubber stop block

Incident Details
The site operative dismounted from the JCB machine and shut the door using his left hand. The glass door panel shattered & some glass particles landed on the operatives hand causing some minor cuts. It appears the door latch punctured the glass panel as it struck the door.

Action
The incident was reported to the JCB service provider, they claim that this is not a common fault with the latch and door. The door should have been fitted with a rubber block to prevent the latch striking the glass.

Glass replacement fitted by RAC.

Remedial Actions
The latch is provided so the cab doors can be secured ajar whilst in operation.
This machine is fitted with air-conditioning so there is no need for the additional ventilation.
Latching the door open also increases the ingress of hazardous dust.
• The door latches have been removed from this vehicle.

Why not visit www.safequarry.com to view more industry best practice and safety alerts.

For further information please contact
Ian Baggelaar RHSA SW Region
Information
Following an incident involving the fixed steps on the Metso ST 300A mobile crusher, where the step adjuster locking mechanism had loosened due to vibration causing the steps to fold in when the operator attempted to climb on to the plant.

The locking mechanism has been redesigned to stop the possibility of loosening due to vibration.

Learning Outcome:
- Please ensure that mobile plant is inspected before use every day.
- Ensure that steps, handrails, handholds and walkways are clean and in a good state of repair.
- Ensure that defects are reported to your line manager.

For information on the above please contact your AHSA
Necessity to harness customer feedback

The fatality could have been prevented!

- Pain and suffering to family, friends, work colleagues
- Injuries to individuals
- Damage to equipment
- Criminal action
- Civil action
- Bad publicity
- Loss of production
- Increased costs
- Poor morale
- Failure in tender process – no longer the supplier of choice
- Recruitment – difficult to recruit good people
Thank You!