

A World of Difference



HIGH ARCTIC
ENERGY SERVICES

‘It’s in your hands’

Drillsafe - Perth - 10th September 2009

HAES is no different to any other drilling contractor.

- We use our hands to do work.
- Work hurt our hands more than any other body part.
- We have programs in place to prevent injuries.
- We have equipment in place to prevent hand and finger injuries.

It's just not good enough we need to reduce the hand and finger injuries.

Awareness

- Hand and finger presentations rollout out with shock treatment.
- Hand posters
- Updates posters as finger and hand injuries occur during 2009
- Group sessions on the rigs with paper hand cuts outs. Each person to write 5 ways to protect their hands.
- Hand awareness included as new starter induction training. All employees have completed this training.

Hand and finger tools

- We have purchase safe knife kits which are designed to prevent hand injuries.
- We have tried 3 different sets of better quality gloves ranging from \$14 to \$35.

Group Awareness Sessions



Poster Campaigns

MY HANDS ARE MY PRIORITY

Identify the Hazard



Caught under

Caught between

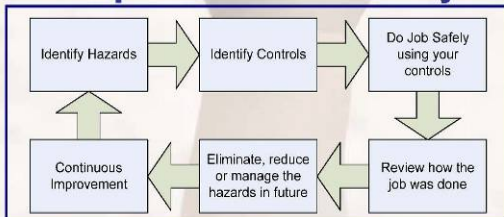
Caught against

Caught in

I will always protect my hands

- ✓ My mind is focused on the task I'm doing.
- ✓ I have identified all the hazards.
- ✓ My controls are effective and I will follow them.
- ✓ I will report any hand hazards for follow-up.

Use Step Back 5x5 Every Time



IT'S IN YOUR HANDS!

GOOD

BAD

UGLY



Avoid pinch points. Always maintain correct hand positions.



4 stitches from incorrect hand position.



Fingers crushed from an incorrect hand position.



Wear correct glove for the task. Chemical resistance glove for handling chemicals.



Minor burn from handling chemical without gloves.



Chemical burn from wearing inappropriate gloves.



Always ensure that rotating machines have guards fitted.



Finger injured from operating grinder without a guard.



Fingers crushed from operating press without a guard.



Not all tasks require gloves – Assess the risk before you wear a glove around rotating machinery.



Lacerated finger from loose glove getting caught on rotating equipment.



Hand amputated when glove became caught in rotating machinery.



Do not wear rings at work place.



Finger injured when ring was caught.



De-gloved finger when ring got caught.



Posters cont;



How and where are we hurting our hands in 2009?



RIGHT HAND

LEFT HAND

Last Updated 8th July 2009



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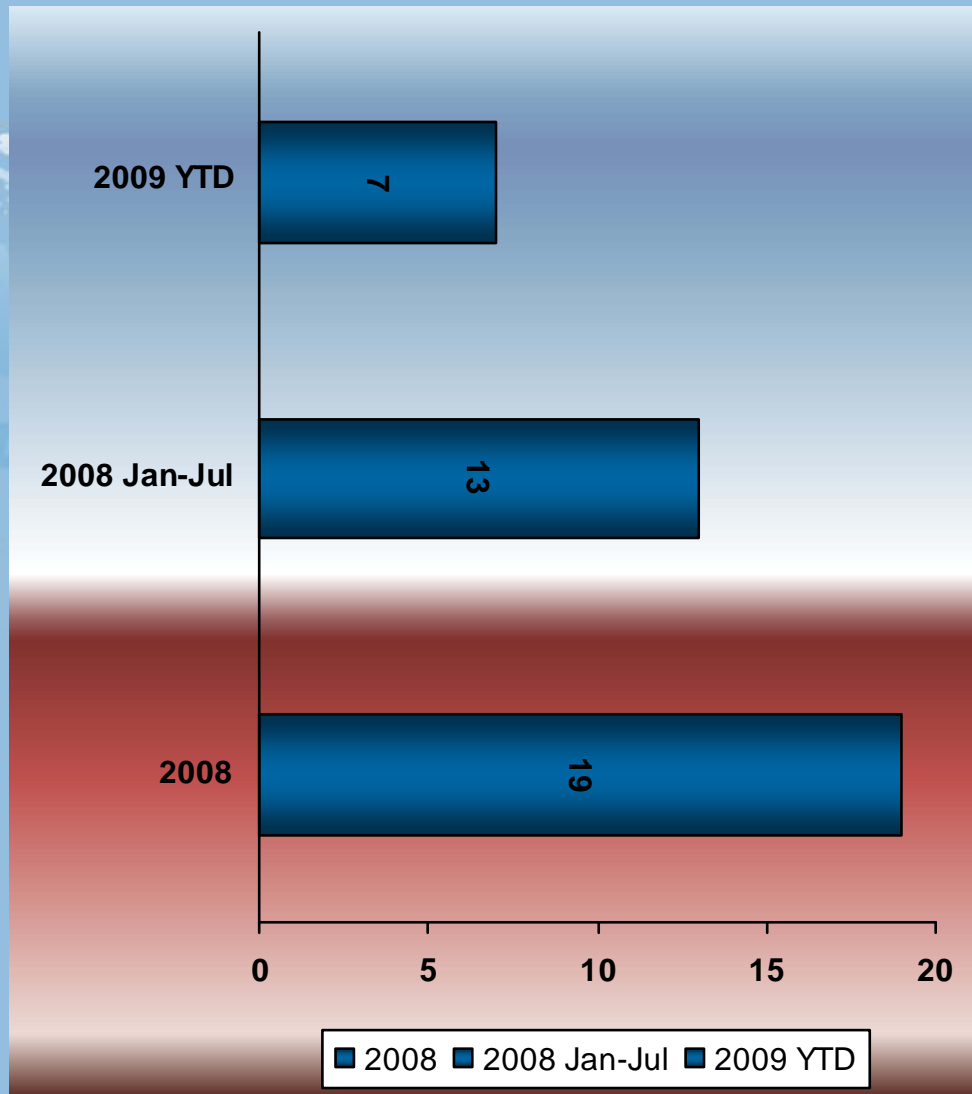
Gloves Trailed



Safe Knife Sets



Hand and Fingers 2008 versus 2009



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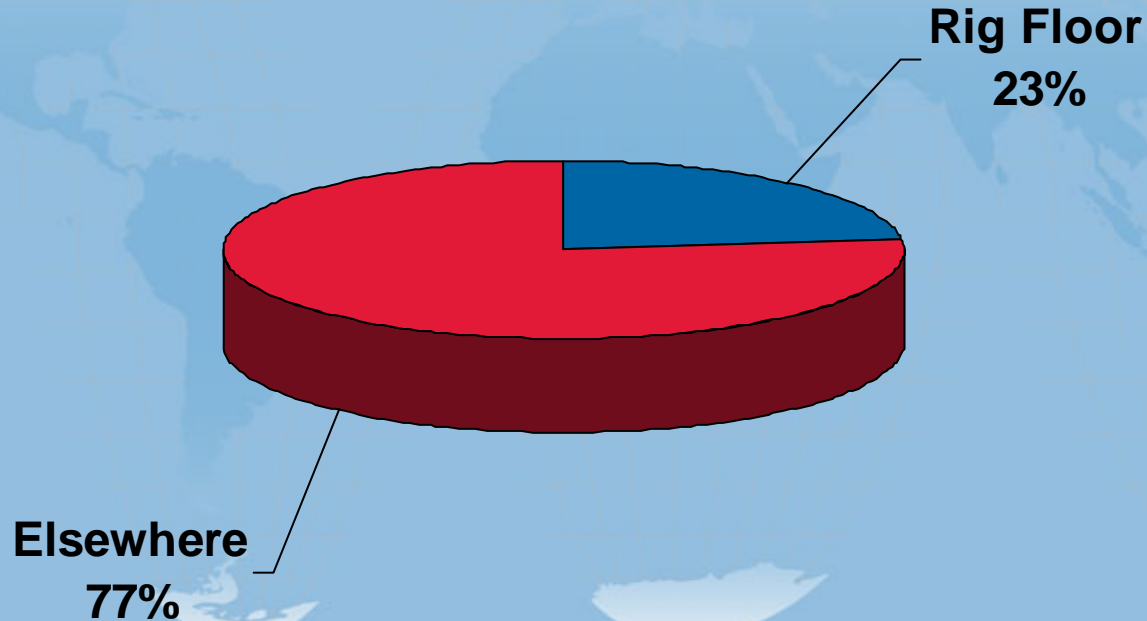
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What has hurt us

- Wickers
- Lowering grating
- Lowering items to tables or ground
- Hitting up with sledgehammers
- Caught between pipe
- Using the wrong tools i.e. hacksaw blade

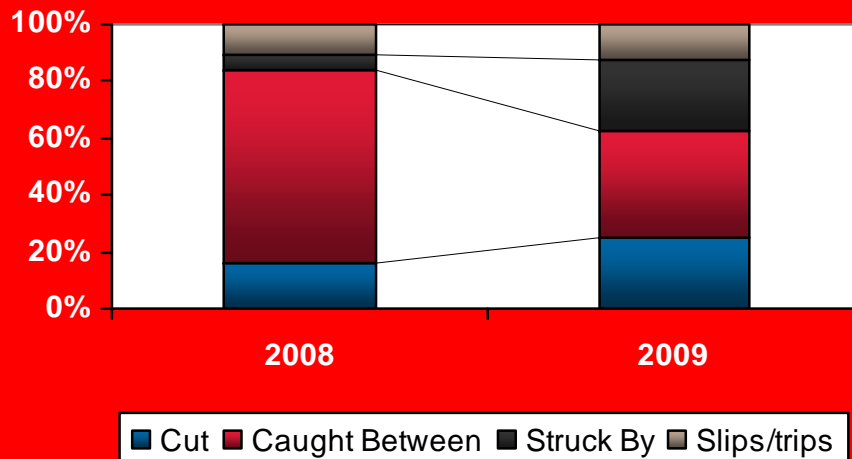
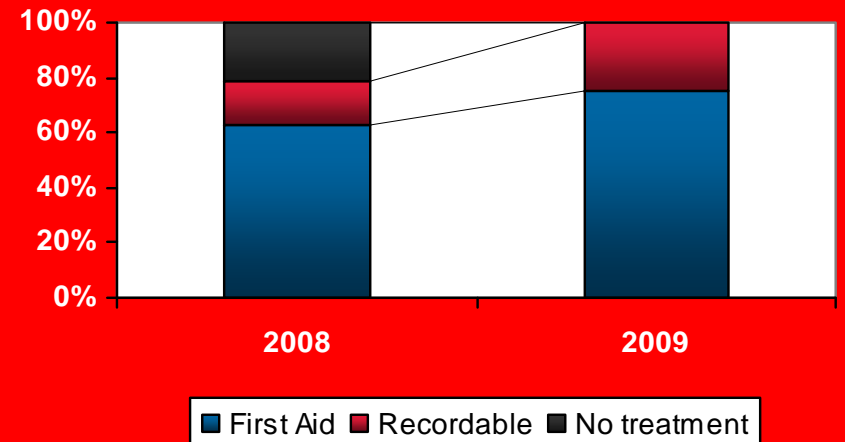
Where have we been hurt?

Based on all hand and finger incidents (26)



We need good quality gloves

Most incidents were first aid or non treatment related. In 2009 the two recordables were cut injuries. It is likely both could have been avoided or severity reduced if more protective gloves were available



Cuts, caught between and struck by or against continue to be the main factors to hand and finger injuries.

Again most were minor and could have been avoided with better protective gloves

NOTE – Gloves were being worn for 24 of the 26 Hand and Finger incidents

Preferred glove

- Small number trial commenced on the 26th July
- 12 pairs issued to people on different rigs in different positions
- 2 pairs lost during trial.
- 10 pairs still in use 4 weeks later
- Gloves are washable.
- Estimate if looked after gloves could last 2 hitches.



Scores out of 5 (Where 1 is WORSE and 5 is BEST)

| Name | Date of issue | Protection | Comfort | Fit | Grip | Dexterity | Durability | Days in service | Overall satisfaction |
|----------------------------|---------------|------------|------------|------------|----------|------------|------------|-----------------|----------------------|
| Total Average 26Jul | | 4.8 | 4.2 | 4.4 | 4 | 3.9 | 4.6 | >28 | 4.4 |

| Score | 1 | 2 | 3 | 4 | 5 |
|-------|---------|-----------------|--------------|------|-----------|
| | No good | Could be better | Satisfactory | Good | Excellent |



Monkey Face Glove

- 90 cents each
- Average use 2 pairs per tour
- \$50.40 per person per hitch (2 x 28 x .90)
- Currently 182 field employees
- \$9,172.80 per month on gloves



Impact Gloves

- \$21.55 each
- Average 1 pair per hitch.
- \$21.55 per person per hitch.
- Currently 182 field employees
- \$3922.10 per month on gloves
- 58 percent cost saving
- Far greater hand and finger protection

Other hand saving devices available on the market



ENGINEERING BULLETIN

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SPM SAFETY HAMMER™

SPM has introduced the Safety Hammer as an alternative to the sledge hammer for hammer union products used within the oil and gas industry. The Safety Hammer eliminates the safety hazard of swinging a hammer to make up or break down a hammer union connection.

The Safety Hammer is an assembly composed of two main parts: high strength low alloy steel adapter and pneumatic hammer. The adapter is compatible with the following three wing nut sizes: 2" 1502, 3" 1502, and 4" 602/1002. The pneumatic hammer is intended to operate with all three adapter sizes.

The Safety Hammer is available under the following part numbers:

- 2A26689 - 2" 1502 Safety Hammer Assembly (8.26 lbs)
- 2A26699 - 3" 1502 Safety Hammer Assembly (8.47 lbs)
- 2A26709 - 4" 602/1002 Safety Hammer Assembly (8.95 lbs)

In order for the Safety Hammer to function as intended, minimum air requirements must be met. SPM recommends 29 SCFM per Safety Hammer, with an air pressure of 90 psi and ½" air supply hose size.



Operating the Safety Hammer is simple, just:

- slide adapter onto hammer union connection so that it bears against one of the three lugs,
- squeeze trigger,
- and apply a slight turning force to the gooseneck handle.

The Safety Hammer will make up or break down the hammer union connection depending on its orientation. It is recommended the customer use SPM Safety Iron™ where available and use the Safety Hammer in cases where hammer union connections are required.

Contact SPM Sales for additional information on pricing and availability.
Contact SPM Engineering for any technical and operational questions.



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Thank you

Any questions