



HYDRAULIC IMPLEMENT PRESSURE RELEASE STATION (HIPRS)

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Mystory

Understanding and leading in times of true adversity

THE PROBLEM: Stored Energy

1. Working on high pressure hydraulic systems places our Maintenance Personnel at **RISK** of an uncontrolled release of stored energy in the form of pressurized hydraulic oil



THE RISK: Maintenance personnel exposed to uncontrolled hydraulic oil pressure releases

- **Fluid injection injury**
- *Burns injury from hot oil*
- *Crush injury from unplanned movement of implement*



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THE RISK: Maintenance personnel exposed to uncontrolled hydraulic oil pressure releases

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The good old days... or were they?

Pressure controls:

Move hydraulic control lever to release pressure in hydraulic circuits.

Problems:

- *OEMs don't allow sufficient pilot oil storage in accumulators for multiple circuit pressure release.*
- *Can't check for dead/ verify zero pressure.*



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Pressure controls:

Rag and boot.



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Pressure controls:

Have your work mate undo the other end first!



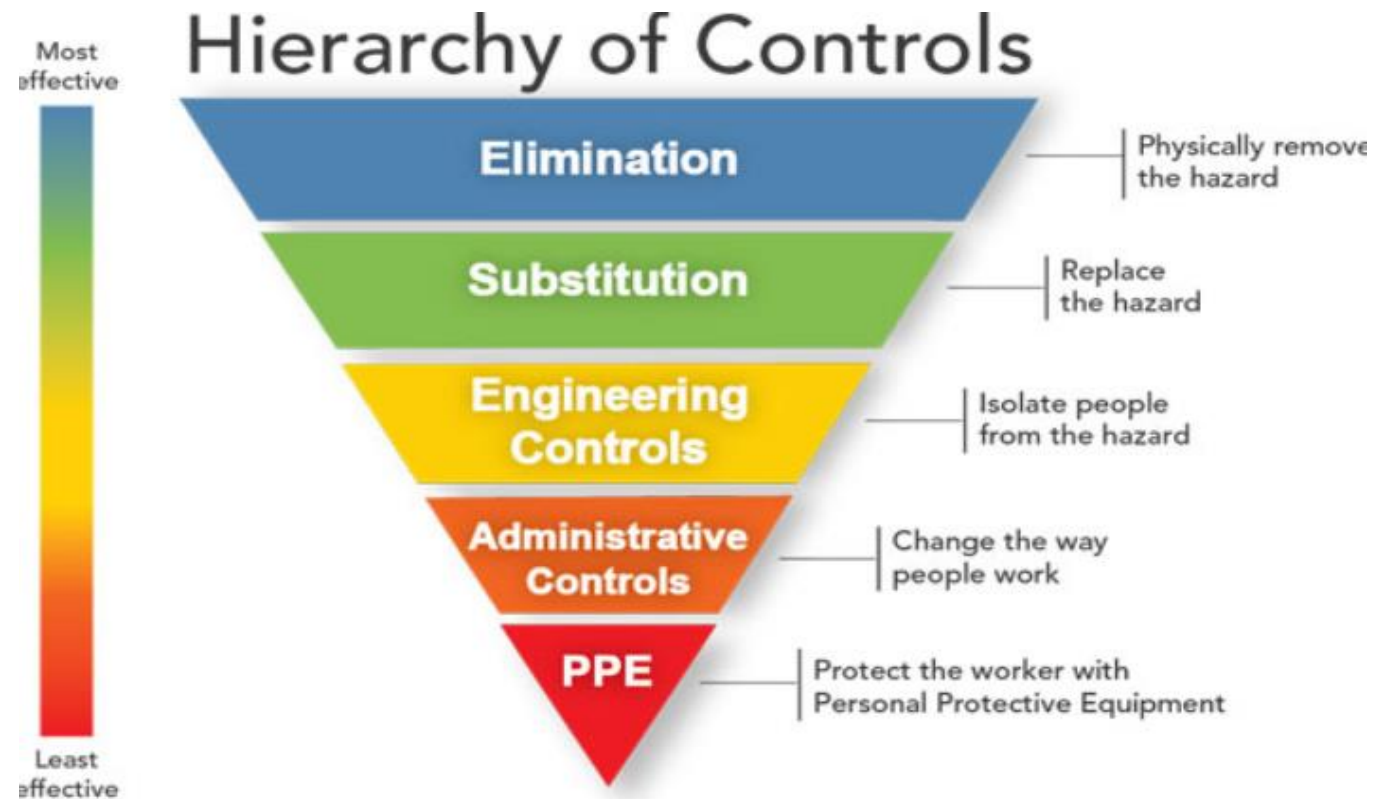
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BEST PRACTICE:

Control of stored energy = Engineering control to isolate people from the hazard



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SOLUTION:

Hydraulic Implement Pressure Release Station



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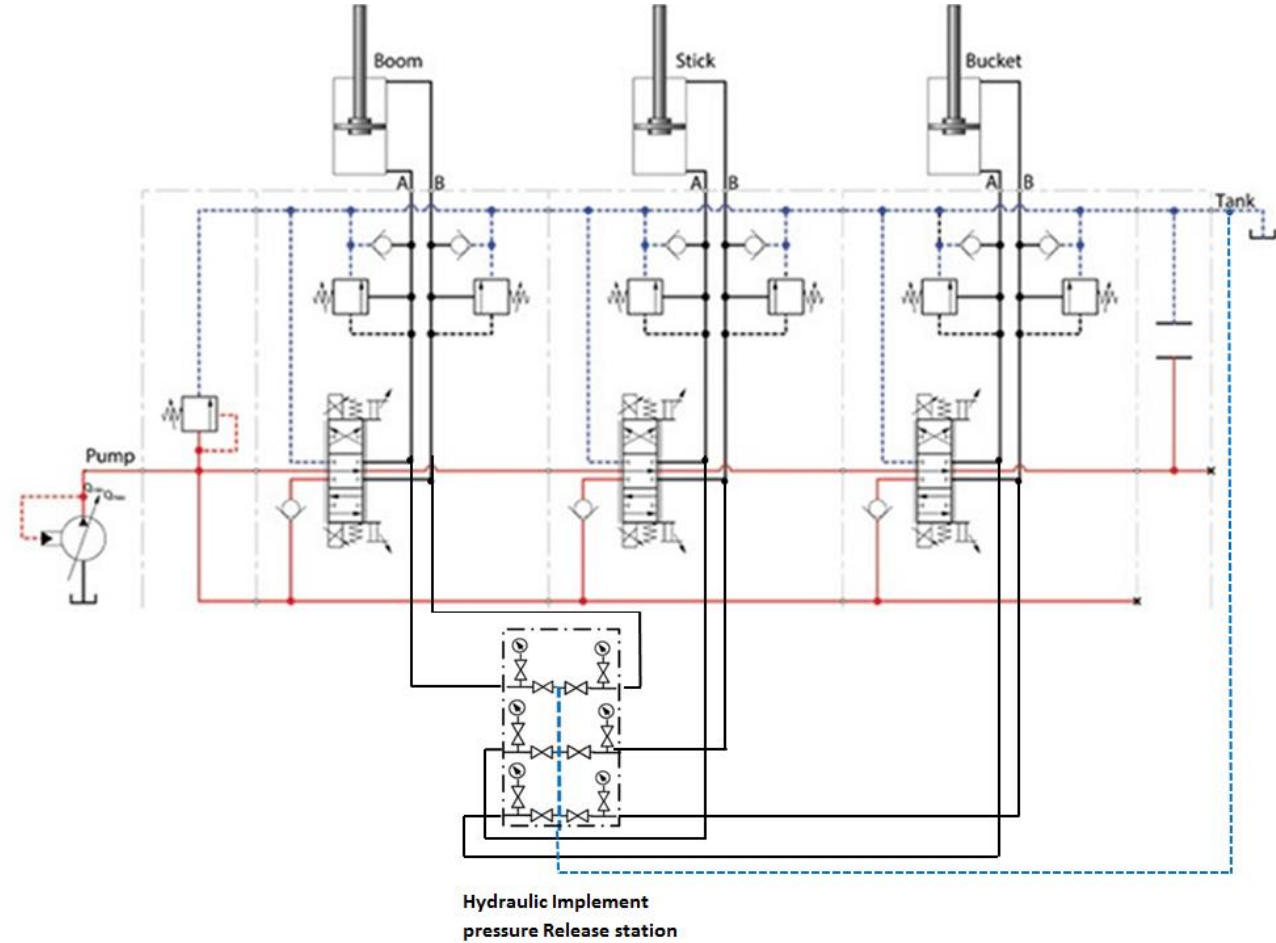
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SOLUTION:

Hydraulic Implement Pressure Release Station

Excavator



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USES for the Hydraulic Implement Pressure Release Station:

- Stored Energy release (hydraulic implement oil pressure).
- Test for dead (verification of zero pressure).
- Hydraulic system testing & adjusting.
- Diagnostic tool for cylinder piston seal bypass.
- Dead man system to lower implements during engine failure.



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APPLICATIONS for the Hydraulic Implement Pressure Release Station:



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