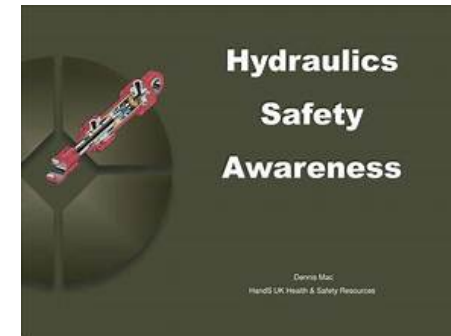




Safety Message of the Day for IMEA Members



Hydraulic System Hazards

Hydraulic systems are an integral part of many industries, from manufacturing and construction to agriculture and mining. These systems use pressurized fluid to generate mechanical force, making them efficient for various applications. However, the very pressurized nature of hydraulic systems presents a range of hazards that can lead to severe injuries or even fatalities if not properly managed.

Hydraulic Fluid Leaks Hydraulic systems are powered by pressurized fluid, often stored in large quantities. A leak in the hydraulic lines or components can result in dangerous fluid spraying under high pressure. This presents multiple hazards:

- **Injury Risk:** The high-pressure fluid can cause serious injuries, including lacerations, punctures, and even amputation if it comes into contact with skin. Fluid injected under the skin can be particularly dangerous and lead to severe tissue damage.
- **Fire Hazard:** Hydraulic fluids, especially petroleum-based fluids, are flammable. A leak near hot surfaces or open flames can result in a fire or explosion.

Hydraulic System Failure

Sudden Pressure Loss or Over-Pressure Situations

Pinch Points and Moving Parts

Incorrect Maintenance and System Setup

High-Pressure Fluid Exposure