



MSHA's Accident Prevention Program Safety Idea

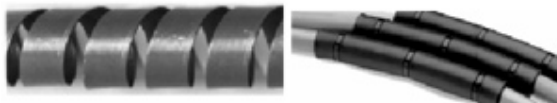
Safety and
Health are
Values!

Hydraulic Hose Maintenance

- **Inspect hoses regularly** - Operators should inspect hydraulic hoses before using equipment. Following are several examples of damaged hoses:



- Install abrasion protection such as spiral wrapping, sleeves, and guards.



- Install guards and shields around ignition sources (exhaust manifold, turbo, muffler, etc.) and operator areas to keep out fluid if a hose fails.
- Use properly rated hose (working pressures are printed on the hose body) and hose fittings as well as proper hose lengths for the application. Replace hoses only with those that meet equipment manufacturer's specifications.
- Ensure proper hose routing to eliminate abrasion damage and exposure to ignition and electrical sources.
- Use hose clamps where appropriate to prevent excessive free motion of hoses.
- Routinely change out hoses. Avoid costly environmental cleanups, potential injury, unscheduled down time, and damage to other components in the system.

SCHEDULED MAINTENANCE SAVES LIVES AND MONEY!!

- Make certain that pressure is relieved before working on any hydraulic circuit.
- **Only trained personnel using proper fittings and crimping tools should construct new hydraulic hoses!**

See the following links for more information on hydraulic hose safety:

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- [Parker Hose Safety Page](#)
- [Gates Corporation Hydraulic Hose Safety Page](#)
- [Hose Life Article](#)
- [Hydraulic System Safety Article](#)