

HSAC CONSTRUCTION LEVEL COURSE OUTLINE:

Hydraulic operated equipment is used in all areas of construction and many workers are unaware of the associated hazards. Related injuries include crushing, fractures, dislocations, lacerations or skin punctures, amputation, burns and fluid injection. Not only has injury and death occurred, hydraulics have caused environmental damage from spills and property/equipment loss from fire and failure.

This sector geared course complements the internationally recognized High Risk Maintenance and Exposure level hydraulic safety awareness courses produced by the Hydraulic Safety Authority of Canada. This course contains over 800 visually related slides including numerous videos, animations, procedures and reference documents. Your goal is to receive important knowledge which will assist in reducing risk and eliminating hazards for you, colleagues, equipment, environment, and your company. This course in combination with a full hydraulic safety program will greatly reduce risk.

HYDRAULIC SAFETY IN CONSTRUCTION COURSE TOPICS:

- What are Hydraulic Fluids, Types and Hazards?
- Importance of Seals
- Exposure to Hydraulic Fluid and PCBs
- Guarding
- Potential Hazards Understanding Range of Motion
- Hydraulic Tooling Hazards
- Personal Protective Equipment
- Safety Devices
- First Aid for Fluid Injection Injuries, Recognition and Protocol
- Gravity is Your Enemy
- Types of Hydraulic Hoses and Construction
- Overhanging and Runaway Hazards
- Hydraulic Hose Applications
- Effects of Modifications to Hydraulic Components
- Hazards of Hot Work Around Hydraulic Components
- Specifications and Standards
- Purpose of Hazard Assessment
- How Accumulators Work, and their Hazards
- Forms of Hazardous Energy
- What is Lockout?
- Inspections, What to look for
- Zero Energy State
- The Environment
- Spill Preparedness

HYDRAULIC SAFETY IN CONSTRUCTION DURATION: Approximately 3.5 Hours

HYDRAULIC SAFETY IN CONSTRUCTION ASSESSMENT: The Construction Level Testing is conducted throughout each chapter. The 67 test questions are designed primarily as a knowledge summarization of the program chapter and must be completed by each participant. HSAC testing has no pass/fail stipulation to receive a Certificate of Completion.

HYDRAULIC SAFETY IN CONSTRUCTION CERTIFICATE OF COMPLETION:

Users will receive their certificates and hard hat sticker by mail within 21 business days of HSAC receiving user completion notification. Mailed certificates will be sent to the address provided in the user application.

HSAC CERTIFICATE VALIDATION DATE:

Continuing education courses will be necessary to remain current with the latest safety bulletins, compliance changes in the industry, and the latest technology and resources available. Evolution brings constant change in both hazards and hazard mitigation. Certificates are valid for 3 years, and are indicated on each. Refresher courses will be available for user renewal.