# Scope

This micro-credential serves as the minimum criteria for an individual to demonstrate proficiency reading and interpreting hydraulic schematics/drawings.

# MICRO-CREDENTIAL Hydraulic Schematic Reading

### Did the candidate correctly identify the symbols on the diagram?

#### Candidate MUST

1. Be able to correctly identify component symbols on the hydraulic diagram
2. Be able to identify selected symbols

#### Evaluator MUST

1. Point to symbols for candidate to identify
2. Have the candidate identify examples of
   1. actuators,
   2. pumps,
   3. relief valves,
   4. directional valves,
   5. accumulators,
   6. reservoirs,
   7. filter (pressure and/or return),
   8. pressure sensors,
   9. pressure switches
   10. check valves

#### Candidate MAY

1. Use their service documentation to help with identification

### Did the candidate correctly trace the fluid flow from pump back to reservoir?

#### Candidate MUST

1. Be able to correctly identify the path of fluid flow from the pump back to the reservoir
2. Be able to correctly explain to the evaluator how each component within the traced path will alter the flow/pressure

#### The path MUST

1. Include at least one actuator

### Did the candidate correctly identify the system safety relief valve pressure setting?

#### Candidate MUST

1. Be able to identify the system safety relief valve on the schematic
2. Be able to identify the pressure setting for the safety relief valve
3. Use the schematic to locate the information
   1. Or in the case the information is not contained on the system schematic the candidate MUST be able to locate the information in the machine service documentation

### Did the candidate correctly identify the system operating pressure range?

#### Candidate MUST

1. Be able to locate the system operating pressure range
2. Use the schematic to locate the information
   1. Or in the case the information is not contained on the system schematic the candidate MUST be able to locate the information in the machine service documentation

### Did the candidate correctly identify all of the locations and components that have to be actuated to relieve all system stored pressure?

#### Candidate MUST

1. Be able to explain, and identify on the schematic, all components that MUST be actuated to remove all stored pressure in the system as part of LOTO before service can commence