

CGC: Point of Delivery Inspection Form

Department: Chemical and General Safety

Program: Compressed Gas Cylinders

Owner: Stafford McCaskill

Authority: ES&H Manual, Chapter 38, Compressed Gas Cylinders

A point of delivery inspection by a chemical asset custodian or other designated person is required for compressed gas cylinders (CGCs) that contain toxic, corrosive, or flammable gases. A point of delivery inspection is not required for gases whose primary hazard class is asphyxiant or oxidizer, but an inspection is nevertheless highly recommended because this is a good opportunity to return non-compliant CGCs to the vendor. Inspection items are tabulated in the checklist below.

Note A signed copy of this checklist meets the inspection requirement; keep on file for a minimum of one year.

Meets Requirements		What to Look For
Yes	No	Complete Label Information
<input type="checkbox"/>	<input type="checkbox"/>	▪ Legible
<input type="checkbox"/>	<input type="checkbox"/>	▪ Identifies the type of gas
<input type="checkbox"/>	<input type="checkbox"/>	▪ Indicates any hazards
<input type="checkbox"/>	<input type="checkbox"/>	Leaks
		▪ Asphyxiants: Visual check suffices
		▪ Toxic, corrosive, and flammable gases: A leak test is required (see CGC: Leak Detection Requirements ¹ for additional information)
		Gas name and type (from label or MSDS) _____
		Leak detection method _____
<input type="checkbox"/>	<input type="checkbox"/>	CGC Condition
		▪ No dents, bulging, cuts, digs, and gouges or other visible signs of damage
<input type="checkbox"/>	<input type="checkbox"/>	▪ No corrosion
<input type="checkbox"/>	<input type="checkbox"/>	Valid Hydrostatic Test Date
		▪ Test date is reasonably close to within five years of the CGC delivery date (see below for additional information and exceptions to the five-year testing interval)
Required inspections only: complete this section		
Inspection Date _____		
Inspected by _____		
Signature _____		

1 CGC: Leak Detection Requirements (SLAC-I-730-0A09S-025), <http://www-group.slac.stanford.edu/esh/eshmanual/references/cgcReqLeak.pdf>

Determining the Hydrostatic Test Date

A hydrostatic test is conducted at predetermined intervals prior to refilling – usually every five years for most SLAC-owned CGCs. Testing is arranged by the vendor, and the test date is stamped on the cylinder, usually near the shoulder or into the valve guard ring welded to the CGC.

Test date markings follow this pattern: month – inspector’s initials – year. For example, 1 – AB – 03 indicates that the last cylinder test date was January 2003 (and the inspector’s initials are “AB”). For most CGC types, the cylinder would begin to be due for another test in January 2008.

Note Exceptions to the five-year test expiration apply to particular types of CGCs that are made of more resistant materials and require testing only once every 10 years. If the test date is nearing the five-year mark, check to see if the CGC is this type.