



Hydrostatic Re-Test and Inspection of CO₂ Cylinders

Catalina Cylinders recommends all CO₂ cylinders be given a quick external visual inspection prior to each fill and the items noted in Catalina Cylinders Technical Support Document, *Inspection of CO₂ Cylinders Prior to Each Fill*, be included in this inspection.

All DOT-3AL CO₂ cylinders are to be inspected and hydrostatically re-tested every five years as required in CFR Title 49 Part 173.34. Cylinders still with charge at the time of the 5 year re-test, do not have to be re-tested until the charge is used, but prior to the re-filling of the cylinders.

Visual inspection, at the time of hydrostatic re-testing, must be performed by a DOT licensed re-test agency. Visual inspection must be performed in accordance with CGA pamphlet C-6.1; *Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders*. Internal and external visual inspection of a cylinder should be performed prior to hydrostatic re-testing.

Hydrostatic re-testing must be performed by a DOT licensed re-test agency. Hydrostatic re-testing must be performed in accordance with CGA Pamphlet C-1; *Methods for Hydrostatic Testing of Compressed Gas Cylinders*. Once a cylinder has successfully passed all visual inspection and hydrostatic re-test requirements, it is to be permanently marked with the re-test date, month and year, and licensed re-test agency's number in the proximity of the previous hydrostatic test date. No cylinder is to be marked with the licensed re-test agency's number until the cylinder has passed all visual inspection and hydrostatic re-test requirements. No cylinder is to be marked with a licensed re-test agency number by any other person or agency other than the personnel of the licensed re-test agency.

DOT-3AL marked cylinders used in countries other than the United States must be inspected and hydrostatically re-tested in accordance with the rules, regulations, specifications and methods of that country. If, in other countries, no such rules, regulation, specifications and methods exist, Catalina Cylinders recommends that the DOT-3AL marked cylinders be visually inspected in accordance with all applicable DOT specifications and CGA pamphlets.

The CGA pamphlets noted above, as well as all other CGA pamphlets, can be obtained from the CGA for a nominal fee. You can reach the CGA at:

Ph: 703 412-0900

Fax: 703 412-0128

Web: www.cganet.com

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