

Docket No. 3684 (HM-220); Notice of Proposed Rulemaking
Requirements for Cylinders
April 13 - 15, 1999 --- Public meetings

Topics for discussion will include, but are not limited to, the following:

April 13, 1999 (Tuesday)

1. Applicability and design criteria for all metric-marked DOT specification cylinders (§178.69).
 - Markings (test pressure, service pressure, reference pressure)
 - Markings - Harmonization with Canada, International Organization for Standardization (ISO)
 - Role of independent inspection agency (witnessing vs. verification of tests)
 - Nickel cylinders - grain size test
2. Welded cylinder specification (§ 178.81; DOT 4M).
 - Brazing (joint efficiency, pressure limits)
 - Authorization for usage of HSLA steel
 - Authorization for usage of nickel alloy

April 14, 1999 (Wednesday)

1. Seamless cylinder specification (§§ 178.70–178.73; DOT 3M, 3FM, 3ALM).
 - Wall stress of 3M (inclusion of 3AA type cylinders)
 - Harmonization of 3FM and ISO 9809-2 design requirements (maximum stress, design formula).
 - Ultrasonic examination of 3M cylinders at time of manufacture
 - Forming of closures by spinning

April 15, 1999 (Thursday)

1. Requalification (Part 180, subpart C).
 - Ultrasonic examination requirements
 - Definition - "Commercially free of corrosive components" (dew point limits)
 - Usage of ultrasonic examination as an alternative requalification for 4M cylinders (detection of bottom area defects)
 - Usage of ultrasonic examination for 3M cylinders (optional/mandatory)
2. Pressure relief devices
 - Tolerances
 - Settings by class or commodity group (e.g., Class 2.2 with no subsidiary hazard)
3. Commodity authorizations and usage requirements (§§ 173.301–173.304b)