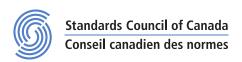
CAN/ULC-S543:2009-R2016 (Reaffirmed 2016)

STANDARD FOR INTERNAL LUG QUICK-CONNECT COUPLINGS FOR FIRE HOSE

Prepared and Published by:



Approved by:



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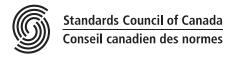
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Amendment Notice

ULC STANDARDS

STANDARD FOR INTERNAL LUG QUICK- CONNECT COUPLINGS FOR FIRE HOSE	CAN/ULC-S543-09
AMENDMENT 1	JULY 2010

The following amendments are being incorporated into CAN/ULC-S543-09:

1. Revised Subsection 3.8.

NOTICE

PLEASE NOTE THAT THIS STANDARD INCLUDES AMENDMENT(S). THE CURRENT EDITION OF THIS STANDARD IS <u>NOT</u> VALID UNLESS USED TOGETHER WITH THE AMENDMENT(S).

IT IS POSSIBLE, HOWEVER, THAT CERTAIN CODES WILL REFER TO THE SUPERSEDED EDITION OF THIS STANDARD, WITHOUT THE AMENDMENT(S). IN THOSE INSTANCES, THE COMPILATION OF THIS DOCUMENT ALLOWS FOR REFERENCE TO BE MADE TO THE STANDARD PRIOR TO THE INCLUSION OF THE AMENDMENT(S).

NO TEXT ON THIS PAGE

3.8 10-Day Moist Ammonia Air Stress Cracking Test

3.8.1 After being subjected to the conditions described in 3.8.2 - 3.8.4, hose couplings or adaptors containing more than 15% zinc shall show no evidence of cracking when examined using 25X magnification.

Exception: Cracking is not prohibited when the cracking does not impact the ability of the product to comply with the requirements of this standard.

- 3.8.2 Each test sample is to be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Such stresses are to be applied to the sample prior to and maintained during the test.
- 3.8.3 Three samples are to be degreased and then continuously exposed in a set position for 10 d to a moist ammonia-air mixture maintained in a glass chamber approximately 300 by 300 mm (12 by 12 by 12 in) having a glass cover.
- 3.8.4 Approximately 600 mL (0.15 gal) of aqueous ammonia having a specific gravity of 0.94 is to be maintained at the bottom of the glass chamber below the samples. The samples are to be positioned 38 mm (1-1/2 in) above the aqueous ammonia solution and supported by an inert tray. The moist ammonia-air mixture in the chamber is to be maintained at atmospheric pressure and at a temperature of $34 \pm 2^{\circ}$ C ($93 \pm 4^{\circ}$ F).