INTERNATIONAL STANDARD

ISO 10893-10

First edition 2011-04-01 **AMENDMENT 1** 2020-06

Non-destructive testing of steel tubes —

Part 10:

Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections

https://standards.iteh.ai/catalog/standards/sist/76349ce5-5295-4c01-920b6bddc/testofrequency;i-change of acceptance criteria

Essais non destructifs des tubes en acier —

Partie 10: Contrôle automatisé par ultrasons sur toute la circonférence des tubes en acier sans soudure et soudés (sauf à l'arc immergé sous flux en poudre) pour la détection des imperfections longitudinales et/ou transversales

AMENDEMENT 1: Changement de la fréquence ultrasonore de l'essai; changement des critères d'acceptation



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ISO 10893-10:2011/Amd 1:2020 https://standards.iteh.ai/catalog/standards/sist/76349ce5-5295-4c0f-9920b6bddc7e67f3/iso-10893-10-2011-amd-1-2020



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This document was prepared by Technical Committee ISO/TC 17, Steel, Subcommittee SC 19, Technical delivery conditions for steel tubes for pressure purposes: https://standards.iteh.a/catalog/standards/sist/76349ce5-5295-4c0f-9920-

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AMENDMENT 1: Change of ultrasonic test frequency; change of acceptance criteria

5.5, entire paragraph

Replace the sentence:

"The ultrasonic test frequency of transducers that shall be used shall be in the range 1 MHz to 15 MHz for shear wave technique and in the range 0,3 MHz to 1 MHz for Lamb wave technique, depending on the product condition and properties, the thickness and surface finishing of tubes under examination."

with the following:

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"The ultrasonic test frequency that shall be used shall be in the range of MHz to 15 MHz for shear waves and in the range o,3 MHz to 5 MHz for Lamb waves, depending on the product condition and properties, the thickness and surface finishing of tubes to be tested."

8.2, second sentence

Replace the second sentence:

"If after two consecutive retests all signals are lower than the trigger/alarm level, the tube shall be deemed to have passed this test otherwise the tube shall be designated as suspect."

with the following:

"If after one retest all signals are lower than the trigger/alarm level, the tube shall be deemed to have passed this test otherwise the tube shall be designated as suspect."

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