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Non-destructive testing of steel tubes —

Part 4:

Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections

Essais non destructifs des tubes en acier —

Partie 4: Contrôle par ressuage des tubes en acier sans soudure et soudés pour la détection des imperfections de surface



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Foreword

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ISO 10893-4 was prepared by Technical Committee ISO/TC 17, Steel, Subcommittee SC 19, Technical delivery conditions for steel tubes for pressure purposes.

This first edition cancels and replaces ISO 12095:1994, which has been technically revised.

ISO 10893 consists of the following parts, under the general title Non-destructive testing of steel tubes:

- Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of hydraulic leaktightness
- Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections
- Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arcwelded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections
- Part 4: Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections
- Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections
- Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections
- Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections
- Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections
- Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded 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

- Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections
- Part 12: Automated full peripheral ultrasonic thickness testing of seamless and welded (except submerged arc-welded) steel tubes