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CCS E 98

SY

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SY/T 6423.7-2017

**Petroleum and natural gas industries. Non-destructive testing (NDT) methods of
steel tubes. Part 7: Magnetic particle inspection of seamless and welded
ferromagnetic steel tubes for the detection of surface imperfections**

石油天然气工业 钢管无损检测方法 第7部分：无缝和焊接铁磁性钢管表面缺欠的
磁粉检测

(English Translation)

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What this standard covers

This standard specifies the seamless and welded ferromagnetic steel pipe and the end face/bevel surface defect magnetic particle testing requirements. For tube body, including all or part of the surface of the surface defect detection. If there is an agreement between the purchaser and the supplier, including surface imperfections within a certain distance from the pipe end, the detection distance depends on the pipe diameter. In addition, this section can be used for other non-destructive testing methods (such as ultrasonic testing) to detect defects in the outer surface of steel positioning, and to confirm the lack of complete removal. This standard specifies the requirements of stratified imperfection testing for flat ends and beveled ends of pipe ends. Layering imperfections can affect subsequent assembly and testing operations (such as ultrasonic testing of welds and welds). This section applies to the lack of stratification, face/groove imperfections detection, magnetic field direction

Document data

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Standards quoted by this document

GB/T 9445; GB/T 12604.5; SY/T 6423.4; ISO 9712; ISO 9934-1; ISO 9934-2; ISO 9934-3; ISO 10893-8; ISO 11484; ASNT SNT-TC-1A