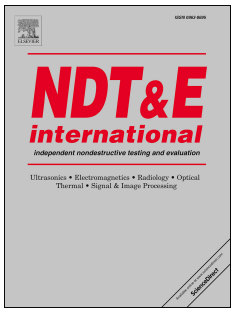
Accepted Manuscript



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PII: S0963-8695(17)30332-8

DOI: 10.1016/j.ndteint.2017.06.001

Reference: JNDT 1871

To appear in: *NDT and E International*

Received Date: 17 March 2016

Revised Date: 3 April 2017

Accepted Date: 1 June 2017

Please cite this article as: Takahashi S, Kobayashi S, Tomáš I, Dupre L, Vértesy G, Comparison of magnetic nondestructive methods applied for inspection of steel degradation, *NDT and E International* (2017), doi: 10.1016/j.ndteint.2017.06.001.

Comparison of magnetic nondestructive methods applied for inspection of steel degradation

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Abstract

A series of low carbon steel specimens is investigated in the frame of a chain of magnetic non-destructive measurements on round robin samples, organized by the Universal Network for Magnetic Non-Destructive Evaluation. The samples have been plastically deformed by cold rolling to five consecutive stages of deformation. They were examined by several different nondestructive magnetic methods and the results were compared with each other and with the destructive mechanical measurements of Vickers

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