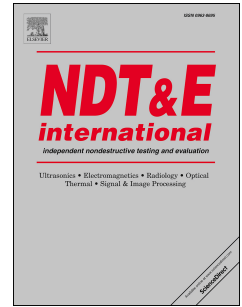


Accepted Manuscript

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PII: S0963-8695(17)30332-8

DOI: [10.1016/j.ndteint.2017.06.001](https://doi.org/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.

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Comparison of magnetic nondestructive methods applied for inspection of steel degradation

S. Takahashi^{a†}, S. Kobayashi^a, I. Tomáš^b, L. Dupre^c, G. Vértesy^{d1}

^a*Department of Materials Science and Engineering, Faculty of Engineering, Iwate University, Morioka, 020-8551, Japan*

^b*Institute of Physics ASCR, Na Slovance 2, Prague 18221, Czech Republic*

^c*Ghent University, Department of Electrical Energy, Systems and Automation, Technology Park Building 913, B-9052 Zwijnaarde, Belgium*

^d*Centre for Energy Research, Institute of Technical Physics and Materials Science, H-1121 Budapest, Konkoly Thege Miklós út 29-33, Hungary*

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

Corresponding author: G. Vértesy, E-mail address: vertesyg@mfa.kfki.hu

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