

عنوان مقاله:

INCOTEST®, a method for detection of corrosion under insulation using Pulsed Eddy Current technique

محل انتشار:

اولین کنفرانس بین المللی بازرسی فنی و آزمون غیرمخرب (سال: 1386)

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خلاصه مقاله:

The method of Pulsed Eddy Current (PEC) has been successfully applied in corrosion detection for several years now. Whereas field experience on insulated objects has grown significantly, the technique's characteristics make it also highly suitable for other field situations where the object surface is rough or inaccessible. Because (surface) preparations can be avoided the tool provides a fast and cost-effective solution for corrosion detection. Due to the high repeatability accuracy PEC technology is specially of interest for monitoring purposes. An overview of the fundamentals and the RTD-INCOTEST® pulsed eddy current tool for corrosion detection is presented and application ranges are discussed. Several field applications other than insulated objects are presented. These range from the inspection of objects covered fire proofing, to rough or corroded surfaces, coated objects and objects covered with marine growth. These spin-offs offer interesting possibilities in many areas of industr such as sub sea piping, offshore jackets, civil engineering, FPSO

کلمات کلیدی:

Pulsed Eddy Current, Corrosion under insulation, INCOTEST, Non-destructive Testing

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