The HOIS recommended practice for the inspection of weld corrosion

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Abstract

Preferential attack in the form of corrosion or erosion associated with welds is a relatively common issue within the oil and gas industry, but its inspection is not straightforward, due to several factors including access limitations and the variable and unpredictable nature of the corrosion.

The HOIS joint industry project, which now has 37 member companies from the oil and gas industry, has recently developed a unified recommended practice for the in-service inspection for weld corrosion in carbon steel components. It makes recommendations regarding the preferred inspection methods and techniques, based on a series of blind inspection trials and the combined experiences of the HOIS member companies. The recommended inspection techniques are described, together with the circumstances in which each should be applied.

Keywords: In-service inspection, corrosion, welds.