

Update on Identification, Mitigation and Prevention of Ethanol SCC

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Abstract:

The American Petroleum Institute is in the process of developing practical guidelines for to help field personal assess and handle stress corrosion cracking issue in the ethanol distribution system. These guidelines are currently under balloting and are based on a survey of field experience, documentation of case histories involving ethanol SCC and ongoing research. Focus is on inspection and methods such as welding geometry, post weld heat treatment and use of coatings. Also discussed will be environmental variables that play a major role in the degree of susceptibility to SCC.

Key words: Ethanol, Stress corrosion cracking