

INSPECTABLE COATINGS AND METHODS FOR USING ABSTRACT

A sulfidation corrosion mitigation coating (14) including: a sulfidation corrosion mitigation material, a binder, and a plurality of indicator oxide nanoparticles. An article (10) including a metal alloy substrate (12) having the sulfidation corrosion mitigation coating (14) thereon is also provided. The sulfidation corrosion mitigation coating (14) can include a first indicator layer (16) containing indicator oxide nanoparticles disposed on the surface of the metal alloy substrate (12). Methods for inspection of an article (10) having a coating (14) containing a plurality of indicator oxide nanoparticles is also provided.

[Figure 1]