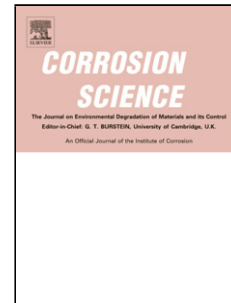


Accepted Manuscript

Title: Primary Water Stress Corrosion Cracking Behavior of an Alloy 600/182 Weld

Author: Yun Soo Lim Seong Sik Hwang Sung Woo Kim
Hong Pyo Kim



PII: S0010-938X(15)00276-0
DOI: <http://dx.doi.org/doi:10.1016/j.corsci.2015.06.005>
Reference: CS 6359

To appear in:

Received date: 3-2-2015
Revised date: 30-5-2015
Accepted date: 2-6-2015

Please cite this article as: Y.S. Lim, S.S. Hwang, S.W. Kim, H.P. Kim, Primary Water Stress Corrosion Cracking Behavior of an Alloy 600/182 Weld, *Corrosion Science* (2015), <http://dx.doi.org/10.1016/j.corsci.2015.06.005>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

Alloy 182 weld has a highly anisotropic microstructure depending on its orientation.

PWSCC mode of Alloy 182 weld metal is intrinsically intergranular.

Cracks initiate and propagate along random high angle grain boundaries in Alloy 182.

Alloy 182 is more susceptible to PWSCC than Alloy 600 in metallurgical aspects.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/7895015>

Download Persian Version:

<https://daneshyari.com/article/7895015>

[Daneshyari.com](https://daneshyari.com)