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Erosion-Corrosion An Introduction to Flow Induced Macro-Cell Corrosion

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About the ebook

Erosion-Corrosion is a compilation of nearly five decades of research on erosion-corrosion testing methods and case studies carried out on the accidents which have occurred in the real chemical plants. The mechanisms brought to light in this e-book are useful for predicting the site of incidence and the degree of the damage. It is a useful tool for designing, material selection and maintenance of safer hydraulic machines and chemical plants, seawater pumps and piping in nuclear power plants.

Contents

- ▶ Historical Review of Research on Erosion and Erosion-Corrosion
- ▶ Pure Erosion Processes-Cavitation and Solid Particle Impact Erosion
- ▶ Combined Erosion and Corrosion
- ▶ Theory of Electrochemical Corrosion
- ▶ Erosion-Corrosion Testing Methodology
- ▶ Case Study of Erosion-Corrosion in the Field
- ▶ Prevention of Erosion-Corrosion in the Field

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