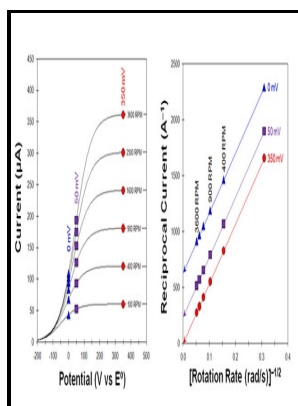


# Development of controlled hydrodynamic techniques for corrosion testing

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Thus cavitation-corrosion is a synergistic action involving both mechanical bubble formation and collapse and electrochemical corrosion processes. Emissions Tomography The Emissions Tomography team at the University of Florida explored the concept of using scattering of radiation emissions from the stored fuel as method of evaluating the internal structural health of the cask.

### **Development of Controlled Hydrodynamic Techniques for Corrosion Testing**

Cavitation-corrosion may also be known as cavitation erosion.

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Corrosion facilitates the propagation of cavitation further. Five different rotation rates were studied: 0 or stagnant conditions , 1000, 3000, 5000 and 7000 rpm.

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The largest project effort was applied to Partial Discharge PD Detection in High Pressure Fluid Filled HPFF pipe type cable systems.

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