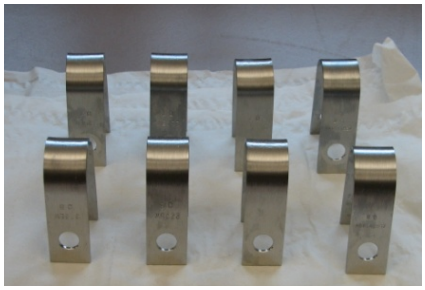
XPS EXPERT PROCESS SOLUTIONS
A GLENCORE COMPANY

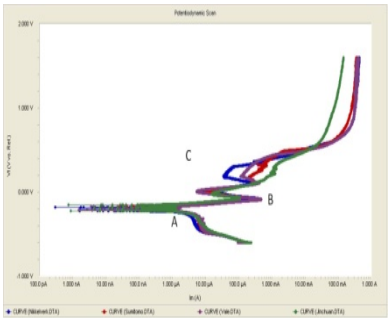
Testing for Corrosion and Wear

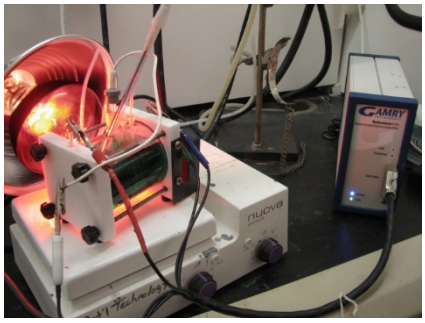
Upfront testing is crucial in the determination of a materials performance in a given environment. Too often decisions are made in material selection without the proper testing completed, resulting in significant revenue loss from failure, and, in some instances, environmental and safety hazards. Our testing expertise in the areas of corrosion and wear can help mitigate these risks of equipment failures.

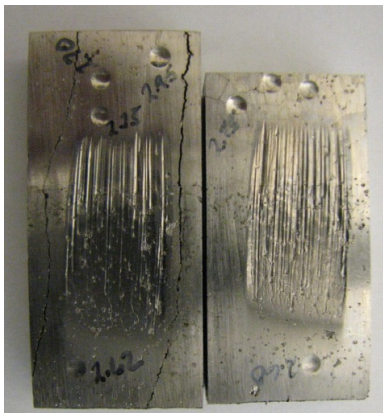
Corrosion testing can be useful in material selection but also in terms of process variables. Upper limits of solution contaminants can be established to ensure that your process equipment will not corrode from any changes made to a process.

Wear testing is useful in determining materials resistance in certain applications. Abrasive process materials such as slurries can also be tested and compared with standards to determine their effect on wear rates of a system.





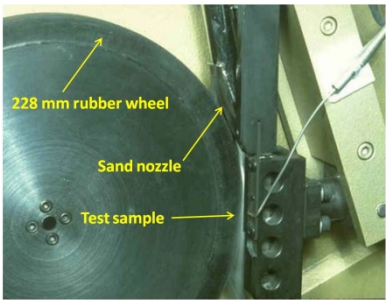




What we can do for you….

Corrosion immersion tests to determine corrosion rates of materials in a given liquid or gaseous environment

- Electrochemical tests to determine corrosion rates, pitting and crevice corrosion resistance of materials in a given environment
- Electrochemical tests to determine coatings performance (EIS)
- Wear testing of material resistance against abrasion and erosion
- Mechanical property tests such as hardness, tensile and impact



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