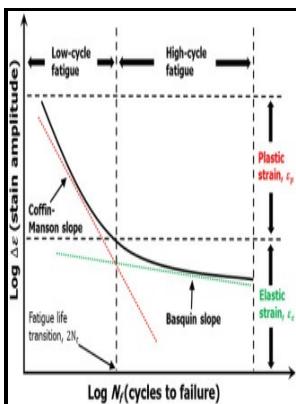


Environmental effects on the static and fatigue strength of graphite/epoxy structures

Aeronautical Research Laboratories - Design and operation of multi

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- Mollusks.
- Physical laboratories -- England -- History.
- National Physical Laboratory (Great Britain).
- Temperature
- Strength
- Moisture
- Graphite-epoxy composites
- Fatigue life Environmental effects on the static and fatigue strength of graphite/epoxy structures
- Structures report -- 417 Environmental effects on the static and fatigue strength of graphite/epoxy structures
- Notes: Includes bibliographical references.
- This edition was published in 1985

Tags: #Electrochemical #impedance
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The effects of hygrothermal cycling upon the performance of a bolted composite joint was examined. The detrimental impact of seawater aging was validated by tracking the elemental evolution in the seawater environment. Given the complexity of mechanical joints in composites, it is understandable that experimental techniques have been used in joint design.

ENVIRONMENTAL EFFECTS ON THE STATIC AND FATIGUE STRENGTH OF GRAPHITE/EPOXY STRUCTURES

Weight fraction and the design of the CMSL also effect on the bending and hardness of composite-material leaf spring

Effect of preload on the fatigue and static strength of composite laminates with defects

If the bolt clamp-up forces are lost or relax too much under long-term exposure then this can leave the joint in a precarious situation.

ENVIRONMENTAL EFFECTS ON THE STATIC AND FATIGUE STRENGTH OF GRAPHITE/EPOXY STRUCTURES

Reifsnider, Fatigue Mechanisms in Composite Materials — A Review Virginia Polytechnic Institute and State University, Blacksburg, Virginia, 1979.

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