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Hot corrosion in gas turbine components

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Abstract

The macroscopic and microscopic characteristics as well as the proposed mechanisms of Type I (high-temperature) and Type II (low-temperature) hot corrosion are reviewed. Two case histories of gas turbine blade failures are presented. Different practical approaches to minimize hot corrosion are described.



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Keywords

Corrosion; Oxidation; Turbine blade failures; Failure analysis; Fatigue failure

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