

论文

处理后的油田污水对热采锅炉20G腐蚀性的研究

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摘要:

通过现场挂片试验,应用光学显微镜、扫描电镜、X射线能谱分析方法研究了20G材料在油田污水中的腐蚀性.结果表明,处理后的污水对高温高压锅炉材料的腐蚀严重,不能用于热采锅炉.

关键词: 污水处理 锅炉 点蚀

CORROSION OF TREATED WASTEWATER ON STEEL 20G OF BOILER FOR THERMAL PRODUCTION WELL IN OIL FIELD

Abstract:

The corrosion behavior of steel 20G in wastewater treatment system has been investigated by means of the weight loss test combining with optical microscope, SEM and XPS etc.. The results show that the corrosion of boiler steel 20G in wastewater, which has been treated, is serious with obvious feature of pitting corrosion. Therefore, the treated wastewater should be excluded from further use for boiler for thermal production well in oil field.

Keywords: wastewater treatment boiler pitting

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