Abstract

In this research, the behavior before the attack by high temperature corrosion in the NiCrFeNbMoTiAl coating applied by thermal plasma spray assisted with not transferred arc on alloy T22 (2 ¼ Cr - 1Mo), when exposed to a corrosive agent 80% V2O5 - 20% Na2SO4 in a temperature range 700°C to 900°C was evaluated. The corrosion density values and corrosion rates were determined by electrochemical impedance spectroscopy (EIS). The results showed an increase in corrosion rate with increasing temperature test.

Keywords