

1.14.3. APPLICATION OF THE METAL MAGNETIC MEMORY METHOD FOR INVESTIGATION AND ANALYSIS OF STRESSED STATES OF HOISTING MINE STRUCTURE BEARING RODS

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The paper presents the experience resulting from application of the metal magnetic memory method for investigation and analysis of the stressed states, as well as from the lifetime assessment of hoisting vessel bearing rods used in the mine hoists. The examples of the investigation results are given and the applied assessment criteria are presented.

The aim of this work is to prove that investigation of the actual stressed states in the hoisting vessel bearing rods by the metal magnetic memory method represents an alternative for other methods within the scope of diagnostics and reliability prediction of hoisting vessel structures during their operation.