

CAVITATION RESISTANCE OF ALUMINUM ALLOY IN CAVITATION CONDITIONS

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Abstract: Cavitation erosion of aluminum alloy AlMg3 was investigated. Cavitation erosion test was applied using standard the ultrasonic vibratory cavitation test set up with stationary test specimen. Mass loss and surface degradation of investigated specimen were monitored during the exposure to cavitation erosion. Mass loss was measured by an analytical balance. The morphology of the damaged surface with the change of the test period was analyzed using scanning electron microscopy (SEM).

Keywords: cavitation, aluminium alloy, , surface degradation