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**STUDY ON CAVITATION EROSION OF SHIP  
PROPELLER AND SELECTION OF A FEW COMPONENTS  
FOR CAVITATION EROSION TEST RIG**

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It is hope that this project would give valuable information and further studies on application of **CAVITATION EROSION**.

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## **ABSTRACT**

This work deal with a study on Cavitation Erosion Of Ship Propellers and Selection Of A Few Components For Cavitation Erosion Test Rig. Case studies on cavitation erosion on components like tubes, elbows, impeller and spindle are reported. Characteristic about a few ship propeller materials like High Tensile Brass, Aluminium Bronze, Stainless Steel, Cast Iron And Cast Steel. The general arrangement of Cavitation Erosion Test Rig is presented and the function of each part is tabulated. Selection procedure from the Manufacturers' Standard Catalogues of a Piston Pump, Pulsation Dampener, Filters, Tube, Valves and Gauges are presented. The Installation Instruction to assemble fittings on tubes are given. Copies of a few catalogues are attached in the appendix for immediate reference.

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