

ABSTRACTION

Arif Lukman Hakim, 2017, NIT: 50135014.T, “*Analysis of Crane Performance To Enable Performance In The Engine Room on ship MV. Energy Prosperity*”, Program Diploma IV, Technical, Merchant Marine Polytechnic of Semarang, Supervising I: Dwi Prasetyo, M.M., M.Mar.E and Supervising II: Dwi Antoro, M.M., M.Mar.

Crane Machine is a tool used to lift and move the load from one place to another by using the method of hook and hook (hook) as the hook. Crane itself is widely used as in loading and unloading ships in the port and others. Cranes can be classified into several types of silent rotary cranes, moving cranes on rails, cranes without lanes, cranes mounted on locomotives or chain tractors and bridge cranes.

Research method that writer use in preparation of this thesis is descriptive qualitatif research method. In this case the authors use the SWOT method as a data analysis technique to analyze the existing problems in the crane engine, which factors are affect the performance of the crane engine, the impact and what efforts are made to overcome the factors of the problem by identifying various factors systematically against strenghts, weaknesses, opportunities, and threats from the environment to formulate the strategy to be taken.

Based on the results of research that has been done on the MV. Energy Prosperity when sea project, it can be concluded that the factors that affect the performance of the crane engine there are two, namely 1) the bearings are still good and normal. 2) timely crane machine maintenance. To maintain and optimize the performance of the crane engine then performed the grease on bearing and perform timely maintenance.

Keywords: *crane machine, bearing, SWOT.*