

ABSTRACT

Ajib Rizza SyaefiAmri, NIT: 50134957.T, 2018, "*Analysis Of Cause Of Booster Pump In Ship MV.Andhika Kanishka*", Program Diploma IV, Technical Study Program, Merchant Marine Polytechnic Semarang, Head of Community Service Development Center, Counselor: Dr. A. AgusTjahjono, M.M., M.Mar.E and Supervisor II: Capt. Bambang Purnomo, M.Mar.

A variety of aircraft aids in assisting the performance of the parent machine on the ship, the fuel pump is one of the engine supporting the operational operation of the parent machine. This study aims to determine the damaged factors Booster pump and to determine efforts to overcome damage Booster pump.

The research was conducted when conducting the practice on board and using data analysis technique using SWOT analysis method with questionnaires that have been implemented on the Teknika ATT II Student Officer. By identifying various factors systematically on strength To strengthen this research, the theoretical basis is cited from several libraries of several journals, books on pumps and instruction manual book gear pump.

The results of this study found that the cause of damage to Booster pump according to analysis, observation and experience that often occur on the ship is damage to the mechanical seal, resulting in leakage at the engine booster pump. Circumstances of damaged seal face, which is the lack of direct checking and maintenance periodically. From the results of this study also, provide new knowledge of the effort or how to overcome such disorders that have been done crew. Handling of disturbances is with regular care-maintenance that is contained in the instruction manual book. In accordance with the problems that have been found, it can be concluded that to ensure that the pumps of Booster Mains operate properly, proper operation, maintenance and maintenance are required in accordance with the user manual, so as to minimize errors resulting in damage.

Keywords: Main Engine, booster pump, SWOT