

ABSTRACT

Handika Putra Sadewa, 2018, NIT : 50134997.T, “*Analisa meningkatnya temperatur air pendingin mesin induk di MT. Princess Naomi*”, skripsi Program Studi Teknik, Program Diploma IV, Politeknik Ilmu Pelayaran Semarang, Pembimbing I: Nasri, MT.M.Mar.E dan Pembimbing II: Poernomo Dwiatmodjo, SH, MH

To smooth the running of a diesel engine that is used as a propulsion in the vessel it requires perfect cooling. Because in a combustion chamber a diesel motor produces a very high temperature at time of combustion. But on board the MT. Princess Naomi at the time of sailing the engine coolant temperature has increased excessively. The increase occurs because of the engine coolant components that are damaged so that the performance of the parent machine is not optimal at the time of the voyage.

The method used in this research is the method of Strength Weaknesses Opportunities Threats (SWOT), which is a form of situation analysis by identifying various factors systematically against the strengths (strengths), weaknesses (weaknesses), opportunities (opportunities), and threats (threats) from the environment to formulate the strategy to be taken.

The results obtained from this study indicate that the increasing temperature of the engine air conditioner water is due to the cracking of the cylinder liner. While the cause of damage to the cylinder liner is caused by lack of maintenance of the parent machine. To overcome these problems for optimal cooling need to be replaced on the cylinder liner damaged parent machine and perform maintenance according to manual procedures book the existing parent engine for cooling work optimally

Kata kunci : pendingin, cylinder liner