ABSTRAKSI

Muhammad Hanif, 2017, NIT: 49124634.T, "Optimization of maintenance on auxiliary engine lubrication system to maintain normal lubricating oil pressure in MV. Energy Prosperity with Hazard Operability Method ", thesis Teknika Studies Program, Diploma Program IV, Polytechnic Studies Sailing Semarang, Supervisor I: Drs.Edy Warsopurnomo, MM, M.Mar.E, Supervisor II: Laksmi Setyorini,S.Pd, M.Si

Lubrication is a system where all moving machine parts need to be lubricated, in order to avoid direct friction between the components can cause the most damage. In motor fuel lubricity do thorough all of the moving parts, and therefore required the maximum pressure in supporting the work of the auxiliary engine. The pressure should reach a value of 4.0 to 4.5 kg / cm2 to achieve maximum lubrication. This prevents the engine when the auxiliary overloaded then the pressure was not until approaching the limit poor lubrication and an alarm occurs at a pressure of 3.7 kg / cm2. The author formulates the problem by searching for the factors of the decline in the cylinder liner lubrication systems, lubrication systems the impact of falling cylinder liner, and the efforts taken to address the decline in the cylinder liner lubrication system.

The author summarizes the problems and try to solve the problem by using the method of hazard operability is with a systematic way of analyzing the risk of a system whereby the operating activities of potential problems in a system that is identified using a circuit.

There are many causes less optimal lubrication system maintenance on auxiliary engines. Among them is happening in MV. Energy Prosperity, of causes found. In MV. Energy Prosperity less optimal lubrication system so that the pressure lubricating oil is not normally caused by problems with filters and pumps and piston cooling case cover, filters and pumps is a component of risky impending penurunanan pressure and also the influence of the components of the piston cooling case cover, though not too conspicuous in its work it can cause lubricating oil pressure is not normal.

Keyword : Lubrication ,Auxiliary Engine, methods of hazard operability