

ABSTRACT

Ngakan Putu Agung, 2017, NIT : 50134758.N, “*Analysis of Leaking Hydraulic Pipes On Hatch Cover In MV. Energy Midas*”, Nautical Department, Program Diploma IV, Merchant Marine Polytechnic of Semarang, Supervisor (I): Capt. Samsul Huda, M.M, M.Mar Supervisor (II): Henny Wahyu Wardhani, M.Pd

The leakage of hydraulic pipe in hatch cover is something unexpected for everyone. From this matter, the problem that can be taken is the impact of the leakage of hydraulic pipe in hatch cover and how to prevent the leakage in hatch cover at MV. Energy Midas. In this research, the writer uses qualitative method with Hazop approach. With Hazop approach, the writer explains the problems research which often happens in marine practice. The data of this research is qualitative. It is focus on problems of the ships based on the real conditions.

In this research, the leakage of hydraulic pipe in hatch cover happens when the ship is moving to the harbor. Thus the hatch cover does not work well and makes pollution around the deck. Preventive action which is tried cannot be optimally applied because of less knowledge of the ship's crew about how to maintain the hydraulic pipe less monitoring of hydraulic pipe in hatch cover thus gets a leakage.

From this conditions, the writer can conclude that the leakage of hydraulic pipe in hatch cover can create less work of the hatch cover and pollution around the deck. Although some preventive actions which are not optimally applied then make a leakage thus create pollution, it still can be handled immediately and will not create any danger around the ocean environment. The suggestions from this research is the maintenance should be applied to hydraulic pipe continuously and no more waiting until the leakage happens.

Key word : The leakage of hydraulic pipe , hatch cover , pollution