

ABSTRACT

Irza Aldi Afriza, 2018, NIT 50134804. N, *The Effect of Hydraulic Oil Leakage on the Deck on the Discharge Process of Fuel Oil in MT. Champion One*", essay with Nuatika Studies Program, Diploma IV Program, Semarang Merchant Marine Polytechnic, Advisor I: Ir. Boedoyo Wiwoho, S.J., M.T, Second Advisor: Dr. Winarno, S.ST., M.H

The influence of hydraulic oil leakage on the deck on the loading process is common, but it must be immediately overcome. Hydraulic oil leaks have an effect on ship performance especially when the ship is unloading. Any problems that arise in the activity of dismantling the load has the potential to increase dwelling time resulting in losses, especially for ship owners and charter parties. All the risks involved result in loss of time and cost, the role of an officer who understands this issue is indispensable.

The hydraulic oil leak that a natural researcher had experienced while conducting the research was not a pure mistake from the ship. However, the company is also influential in the occurrence of leaks. Factors that researchers found both from the ship and the company include: the lack of responsiveness in the supply of goods and lack of routine hydraulic line maintenance.

Based on the results of research and discussion of the problems regarding the influence of hydraulic oil leak and the impacts that occurred in MT. Champion One is caused because the hydraulic line above the deck is often exposed to rain and heat making it easy to rust. Given the size of a small hydraulic line making it very easy to leak. At the time of MT. Champion One carries out loading activities at Tanjung Priok, a leaked hydraulic line that drips hydraulic oil on the deck. If the line has a valve opening/valve cover automatically operated through the Cargo Control Room will not run optimally, so the ship must stop cargo and contact the land side. This resulted in the ship having delayed departure and cost losses.

By knowing the cause and effect caused by the problems that occur, should immediately make improvements made by the ship. The problem of delayed departures resulting from a hydraulic line leak needs to be re-examined on routine hydraulic line maintenance over decks, collective bargaining, and improving the quality and mental officers if overcome the problem.

Keywords: Leakage of hidraulic line, discharge of cargo, MT. Champion One