

ABSTRACT

Bikky hauston billhaq, NIT: 50134962.T, 2018, *"Influence of hydraulic oil leaks on the steering gear machinery in the vessel MT.Global top to safety and the smooth navigation vessels with SWOT method"*, Diploma Course IV, Merchant Marine Polytechnic Semarang, Supervisor I: Sarifuddin, M,Pd, M.Mar.E, Supervisor II: Ir.Boedojo Wiwoho, S.J.M.T..

Steering gear is one of the necessary equipment in the ship, serves to help ships turn to the left (port side) and right (starboard side). According to SOLAS, 1974, steering gear should be able to rotate the rudder from 35° right to 30° left or vice versa within 28 seconds. To move the rudder, steering gear requires hydraulic pressure enough. In operation, the steering gear is leaking hydraulic oil thus affecting the performance of the operation of the steering gear.

In order for the safety and smoothness in motion if the ship is not impaired or component damage is more severe, then in this paper, the authors use the method approach strengths, weaknesses, opportunities, threats, (SWOT) analysis is a form of situation analysis by identifying various factors systematically against strengths, weaknesses, opportunities, threats of a problem. method used in analyzing.

After doing research using SWOT analysis, known impacts and risks as well as the cause of the hydraulic oil leak in the steering gear. Therefore, it is necessary to encourage risk control makes the operation of the steering gear does not affect all of the disadvantages that steering gear becomes normal again. All that will be discussed in this paper the authors.

Keywords: Steering gear, hydraulic oil leak, the SWOT method.