

ABSTRACT

Dzulfikar Try Eryanto, 2017, NIT: 49124567.T, "*analysis of the influence of ball bearing damage to the cargo oil pump working at MT.PEGADEN with HAZOP method* ", thesis Teknika Studies Program, Diploma Program IV, Semarang Merchant Marine Politechnic, Supervisor I: Dwi Prasetyo, MM, M.Mar, E Supervisor II: Adi Octavianto, ST, MM

Bearing (Bearing) is one element of the machine that holds a significant role, the function of the pads is to rivet a shaft so that the shaft can rotate without excessive friction. In the system of pump performance, bearing a much-needed role because one of the elements essential components as the foundation of the pump shaft rotation. Bearings should be strong enough to allow the shaft as well as other machine elements work well. Bearing a motion supporting the shaft, a very big role in the operation of the pump working. Each pump has a design specification in the shape and position of each component. Similarly, the bearing, a lot of designs that put the pump bearings at various positions, it is adjusted to its primary function is to support the shaft relative movement

In accordance with the purpose and function of the system in the cargo pump oil tankers are as a medium for transferring or unloading cargo in the form of a liquid form of oil. In order for the cargo oil pump is not impeded, the ball bearing should be clean of dirt. In order to work up the necessary treatment in accordance with the instruction book.

Therefore, maintenance on the bearings regularly and systematically is so absolutely necessary to the cargo oil pump, and to keep working on the cargo oil pump. In order for the cargo oil pump can work according to its function and will not hinder the process of loading and unloading cargo

Key Word: Cargo Oil Pump, Ball Bearing, Maintenance Parts