

ABSTRACT

Irfan Luthmana, 49124573. T, 2017, "*The Importance of Complete Parts In Carrying Out Maintenance And Repairs to Main Engine in SPB. Lampan*", Diploma IV, *Technical, Semarang Merchant Marine Polytechnic*, Preceptors I: Sarifuddin, M.Pd.,M.Mar.E., Preceptors II: Irma Shinta Dewi, S.S., M.Pd.

Spare parts are part of the equipment machine prepared when the state of a machine is required in the repair and replacement of a part due to working hours is up or damaged condition. Spare parts discussed is main engine spares, where the main engine used the diesel motor. The author observed completeness issues related spare parts in maintenance and repair to main engines that inhibit the smooth operation of the ship. The purpose of this study was to determine the factors that can interfere and efforts should be made in order to maintenance and repair activities can be done with up to completion of main engine spares on board. The method used by the author is SHELL is to decipher the object under study. Research results obtained by identifying the problems that arise from a system and mengoptimalkannya with the relationship between humans and the environment.

The results of the study that there are factors that interfere related completeness main engine spares that spares ordered do not arrive on the ship , poor coordination , the company only gave spares any particular period , the use of spare parts on board the uncontrolled , damage to parts during storage , and the lack of proper inspection. Efforts will be undertaken in order to complete spare parts is to resubmitting request and complement the data, improving communication, assembling planned maintenance, organizing and observing the parts appropriately.

The result of the study can be concluded that it takes care effort as well as possible includes planning, regulation, and supervision of good in order to and repair maintenance activities running optimally. The author proposes several suggestions to be implemented, namely the presence of shipping company policy and the role of the crew needed to be able to steer the ship, nurture, and guide and motivate subordinates to carry out duties in a professional manner so that what is becoming a common goal can be achieved.

Keywords : *Spare Parts, Maintenance, Main Engine, Diesel Motor, SHELL Methods.*