

ABSTRACT

Sho'imun Nur Rochim, 2018, NIT: 50134825 N, "*Optimization Discharging of Liquefied Petroleum Gas (LPG) with Ship To Ship methode in Ship Gas Arar as Mother Ship*", Nautical Department, Diploma IV Program, Merchant Marine Polytechnic of Semarang, 1st Supervisor: Capt. H.Moh.Aziz Rohman,M.M,M.Mar, 2nd Supervisor: Ir.Boedoyo Wiwoho,S.J.,M.T

LPG are butane and propane composed, is gas cargo in liquid substance. Discharging process of Liquefied Petroleum Gas onboard Gas Arar conducted with Ship To Ship Operation. Based on the results of research onboard, that discharging process in Gas Arar there are obstruction due to several factors of both human factors, weather condition, communication and equipment factors. Therefore the authors are interested in lifting the formulation of the problem to be the title "OPTIMIZATION DISCHARGING OF LIQUEFIED PETROLEUM GAS (LPG) WITH SHIP TO SHIP METHODE IN SHIP GAS ARAR AS MOTHER SHIP".

The author uses combination of fishbone and fault three analysis method to describe some cases onboard Gas Arar which as object of experience and explain the efforts made to overcome the constraints of the factor of human and equipment factors are not working well. Among other things that happened during the discharging process are bad of weather condition, discharging equipments are not in good conditions, the lack knowledge of the crew, and lack of coordination between mother ship with all participants. Efforts to resolve it by increase the knowledge and understanding of the crew with conducting introduction and training to the crew about discharging correct implementation increase the coordination with all participants, and also conducting routine maintenance of the discharging equipment.

Conclusion discharging process of Liquefied Petroleum Gas with Ship To Ship operation can go smoothly if all crew on board have more knowledge and understands about discharging cargo with Ship to Ship operation, understand and competent for operated the discharging equipment ,can doing good coordination between ships and port authority and all equipments in good condition.

Keywords: LPG, discharge, Ship to Ship.