ABSTRACT

Deni Malik Ibrahim, 2018, NIT: 50134808 N, "Analysis To LPG Mix Cargo On Fully Pressurized LPG Carrier Lady Margaux", Thesis Nautical Departement, Diploma IV Program, Semarang Merchant Marine Polytechnics, Supervisor I: Capt. Agus Subardi, SP.1.,M.Mar., Supervisor II: Nur Rohmah, S.E., M.M.

Gas is a supplier of energy needs that are now experiencing the development of processing and use of advanced and diverse. LPG / C Lady Margaux is included in a fully pressurized gas tanker type, which in its handling on a cargo vessel must always be in a pressurized state so that the gas charge may turn into liquid as the gas is pressed inside the tank. The problem that researcher in this research is at the time of discharging at port of Rabon, Philippines pressure inside the tank is very high, so discharging is not maximal causing cargo loss as much as 25 MT harming the port. The purpose of this study was to determine the impact of tank pressure on LPG MIX cargo during dischaging on LPG / C Lady Margaux vessel and to find out how to overcome the high pressure that happened to LPG MIX load during unloading process at fully pressurized gas carrier ship Lady Margaux .

The research method that the researcher uses is descriptive qualitative which is a method that describes the facts that occur on the ship with data collection techniques based on the results of observations of researchers in the field, interviews conducted by researchers with the Master, Chief Officer and Second Officer and literature study. Analysis of data that researchers do is to collect data which then the data is presented to be drawn conclusions.

The result of the impact of tank pressure on LPG Mix during discharging on fully pressurized gas carrier Lady Margaux is the process of discharging not maximal and cargo loss that harms the port. How to overcome the high pressure that occurs on the LPG Mix load during discharging on the fully pressurized gas carrier Lady Margaux is by using cargo cooling spray and using cargo compressor.

***Keywords**: Tank Pressure, LPG Mix Cargo, Discharging Process, Fully Pressurized LPG Carrier.*