

ABSTRACT

Alif Satria Utama 49124343. N. *Optimalisasi Loading Propylene pada MT. Gas Kalimantan*. Scribd: Politeknik Ilmu Pelayaran Semarang. 2017.
Supervisor: (I) Capt. Sidrotul Muntaha, M.Si.,M.Mar, (II) H. Aslang, M.Pd., M.Mar.E

In the process of loading cargo, especially propylene cargo should be carried out in the best. It requires careful preparation good from the ship and shore. Basically handling barriers aims to overcome the problem that can be solved well when loading process. The problem that the authors take here is Why loading operation at MT. Gas Kalimantan is not optimal? Why crew at MT. Gas Kalimantan is not in good experience? In this scribd using qualitative descriptive study data download data through observation and interviews.

Based on the research results of the tank temperature rises abruptly due to the influence of the outside temperature and fast loading factor and no prevention. To avoid danger when loading take places, then the tank temperature rise must be reduced by the action taken is to spray water facilities, vapour return line and cargo spray line. The occurrence of an emergency or accident due to lack of knowledge of the crew will load *propylene*, which is the constraint in the research, the authors discuss the issue of discipline and awareness to improve crew in handling propylene cargo by providing counseling and knowledge of *propylene* cargo, provide appropriate recruitment program following the procedure and safety meeting.

Conclusion of the study was to determine the obstacle handling tankers loading on propylene so that the crew understands that the propylene cargo handling when loading process safely and smoothly, suggestions are given, which is preferably crew certification program LGT (Liquified Gas Tanker) basis for work on gas tankers. With the hope that the entire crew can increase alertness if there is a problem that arises during the process of loading.

Key Word: Loading, tanker LPG/C, vapour, crew