ABSTRACT

Purnomo Agung S, NIT. 50134885.N, 2017 : "Optimalization of Leakage Response On Sludge Tank To Avoid Damage Cargo In Container in MV. CTP Honour", Diploma Program IV, Nautical Studies Program, Politeknik Ilmu Pelayaran Semarang, Supervisor I: Capt. H. Moh. Aziz Rohman, MM, M. Mar, Supervisor II: Okvita Wahyuni, S.ST, MM

Sludge tank is something to accommodate dirty oils separated by OWS (Oil Water Separator) against sewer water minimum capacity 2% of tank volume. Sludge from the clarifier settling tank (CST) is pumped into a sludge tank by passing through the desander to remove the fine sands of the sludge. The cleanliness of the oil liquid in the sludge tank is influenced by the operation of the desander, as it can function when the sand drainage is carried out continuously.

Theoretical basis in writing this thesis is based on the problems that often arise on the ship. Writing thesis entitled "Optimalization of leakage response on sludge tank to avoid damage cargo in container in MV. CTP Honour "is in order to cope as well as to determine the cause of leaks in sludge tanks that cause damage to the charge in the hold.

In this thesis, the writter presents USG method (urgent, seriousness, growth). The research data obtained from the primary data and secondary data, while the method of collecting data obtained from observation, interview, documentation and bibliography.

In research on the causes and how to cope with leaks in sludge tanks that cause damage to the loads in the hold. Leaks in the sludge tank are known 2 days after the vessel departs from the port so that the loads submerged in the hold are mostly damaged and the company suffers losses.

The results of research and data processing, the writter can conclude that the main cause of leakage in sludge tank is minim maintenance on the pump bilges, holds and sludge tanks. So to cope with leaks in the sludge tank needs to be done more care to pump bilges, holds, and tank or sludge tank.

Keywords: Optimalization, Sludge Tank, Cargo.