ABSTRACT

Jijin Arga Saputra, 2017, NIT: 49124603.T Inert Gas Supply Identification (Inert Gas) Less Optimal In Cargo Handling With Fishbone Method In MT. Gandini. Diploma IV, Teknika, Sailing Semarang Polytechnic Sciences, Supervisor I: Sarifuddin, M.Pd., M.Mar.E and Supervisor II: Dr. Winarno, S.S.T., M.H.

Inert gas is gas or gas mixture that does not support enough oxygen to support combustion of hydrocarbons. In MT. Gandini, inert gas produced by combustion in the scrubber and once cleaned using seawater in a manner in spray, so the result of burning dirt fall to the bottom and then flowed into the net overboard and gas supplied to the deck water seal, then enter the cargo tank. Inert gas is very important to maintain the level of oxygen in the cargo tank is less than 8%.

Factors causing supply inert gas into the cargo tank is less damage to the demister filter and clogging the installation of a pipeline to the Deck Scrubber Water Seal. Damage to filter demister caused by factors working age of the components, while clogging of pipeline installation of scrubber towards Deck Water Seal caused by soot to result from the internal combustion Scrubber piling up, so that the hole in the pipe progressively narrowed the lead to supply inert gas into the tank hampered, The impact that made supply inert gas into the cargo tank is less than optimal.

Based on the observation, documentation, and performed maintenance on the system inert gas, namely the treatment of filter demister by means cleaned by spraying seawater, whereas maintenance on the pipeline installation of scrubber towards Deck Water Seal is to overhaul or remove the pipeline and clean the soot that accumulates in the funnel pipe installation. The maintenance are done every three times the process of loading and unloading ships, so as to find out the problems as early as possible and prevent greater damage.

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Keywords: identification, inert gas supply, fishbone, MT. Gandini

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