Determination Analysis of Ship Loading Unloading Equipment and Unitization Loads for Improving Operational Performance of Ship : The Case of Cement Bag

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ABSTRACT

The increasing national demand for cement caused the national cement industry to make various efforts to meet them. Fulfillment in quantity will not run properly without offset by an increase in the quality of the distribution system. The main highlights are the loading and unloading system for cement bags that run less efficiently, thereby reducing the operational performance of ships. By looking at these conditions, then it becomes an idea to describe the new loading and unloading system that is based upon the determination of tool loading and unloading of ships and cargo unitization. During this loading and unloading cement bag system that is considered too long which is about 3-4 days for capacity 2,500 ton. So, we need a system for loading and unloading which can shorten the time of loading and unloading so that the operational performance of the ship increases. The main problem is that too much movement of cargo during the trip. Reducing the amount of movement of cargo to reduce loading time and improve the operational performance of the vessel to be objective is a study on the determination of this tool loading and unloading of ships and cargo unitization. By using the tool loading and unloading of ships and cargo unitization is selected, can improve the operational performance of the ship. Improved these ships operational performance has an impact on the increasing number of distributed loads and to reduce distribution costs.