

ABSTRACT

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Draft survey is an important means in calculating the loaded cargo or unloaded cargo from the vessel, this research goals are to know the steps of implementation, how to calculate the draft survey and the cause of differences in the results of calculations between the manual and the formula of the program in the MV. Jupiter Ace.

Constant is weight on board that undetermined, constant calculated after the implementation of the initial draft survey at the time the vessel arrives at the loading port, while the total cargo can be calculated after the final draft survey conducted when the loading activity has been completed.

The research method used is qualitative, with data collection techniques based on observation, interview and literature. The population in the study is the loading activities carried out by MV. Jupiter Ace in the period August 2015 to August 2016, the sample taken is the activity of loading corn in bulk on voyage 61 at Port of San Lorenzo, Argentina. Selection of sample is done by purposive sampling technique with consideration of difference result for calculation of draft survey at loading activity in this voyage.

The results showed (1) the priority of the draft survey implementation steps in the MV. Jupiter Ace (2) the draft survey method applied in the MV. Jupiter Ace are by applying correction for draft, trim and density, (3) the cause of differences in the results of the draft survey calculations in MV. Jupiter Ace is a non-applicable correction of the list and the concept of decimal fractions in calculations by the formulas in the program used in MV. Jupiter Ace.

The conclusions of this study indicate that (a) the steps of implementing the draft survey in MV. Jupiter Ace in accordance with the provisions of UN ECE, (b) the whole method of calculating the draft survey in MV. Jupiter Ace is in accordance with the method of calculating the draft survey of UN ECE forms, (c) correction of the list and the concept of decimal fractions as the cause of the difference of the draft survey results between the manual and the formula in the MV. Jupiter Ace.

Keywords: Draft survey, constant, total cargo.