

Modelling of Crane Pedestal Using FEM

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ABSTRACT

The assesment of additional stresses induced by a column crane disposed on the ship deck is the main purpose of this paper. We establish additional stresses in the deck, in the pedestal structure on the deck, in the pedestal column structure, in the column structure and in the column brackets. FEM calculus is used on purpose to asses additional stresses and results are in agreement with DNV Rules concerning design of foundations and supporting structure for lifting appliances.

Keywords: *shipboard crane, lifting appliances*

References

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