TECHNICAL ECONOMIC ANALYSIS IN ADDITIONAL BOW THRUSTER ON MV. SAM PROSPER 1

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Abstract

MV. Sam Prosper 1, previously was MV. Balongan, is a tug boat owned by PT. Pelayaran Sumatra Wahana Perkasa. This vessel is going to proceed modification which are installation for additional facilities in order to fulfill the requirement as a supply vessel for offshore services, as requested by Conoco Philips. To support the performance of MV. Sam Prosper 1, the maneuvering mechanism is needed. Bow thruster, as maneuvering mechanism, will be installed an board. As a consequence, the use of bow thruster will be analyzed, in stability aspects as well as ship performance aspect. In additional to the technical aspect, the economical feasibility aspect will also be analyzed as well.

Keywords : bow thruster, supply vessel, maneuvering, stability, economical