

ABSTRACT

Faiz Muhammad Wiropati, 2018, NIT : 50134935. T, “*Identification decline Hydraulic Pump Performance Powepack and Its Impact on Anchor Handling On Ship AHTS TRITON ARJUNA*”, *Technical Thesis, Diploma IV Program, Semarang Merchant Marine Polytechnic, Material Adviser (I): Sarifuddin, M.Pd.,M.Mar.E., and as Mwthodologi and Writing Adviser (II): Capt. Samsul Huda, M.M., M.Mar*

Anchor handling is an anchor installation services that assist in the sea offshore oil drilling operations. Ship and Anchor Handling Tug Supply (AHTS) vessel is one serving anchor handling services. Work wire is a special equipment used in anchor handling operations. Such tools make use of machinery auxiliary hydraulic power powerpack.

The research was conducted during the author implement work practices in marine AHTS TRITON ARJUNA vessels owned company Triton Global Maritim and manage by PT Indoliziz Marine for twelve months. Types of writing using a qualitative and SWOT analysis. Way with the kind of primary data obtained directly from the research as well as secondary data obtained from the literature related to the thesis title. Method of data collection is done by direct observation, interviews conducted by the author to the engineer on board and get documentation on the results of the study.

From the results of this study indicate that there has been a decline in the performance of the hydraulic pump powerpack. This is due to the observed damage to the piston pump and the pump cavitation phenomenon. This causes symptoms of cavitation erosion cavitation in the valve plate. Then the issue of the effect on employment than wire work, so the impact on the length of anchor handling operations. Piston pumps and replacement parts as well as the valve plate to prevent cavitation done to improve the performance of the hydraulic pump powerpack.

Keyword : *Pump, Decline Performance, Anchor Handling.*