

## ABSTRACT

**Anas Ardi Faizal**, 50134985. T, 2017 “*Identifikasi Terlambatnya Kerja Lifter Pin Terhadap Wire Locking Saat Towing Barge Ewis Lady Di Kapal SV TSS PIONEER 5*”, Program Diploma IV, jurusan teknika, Politeknik Ilmu Pelayaran Semarang, Pembimbing I: H. Suwondo., M.M., M.Mar.E, Pembimbing II: Sri Suyanti SS, MSi.

Inside the AHTS ship there is a tool or auxiliary machine that is Lifter pin. Lifter pin is to hold the wire remain in the middle position or a straight line with drum towing and drum work so that wire does not move up or down at the time of towing. There is also the formulation of the problem is the factor that causes not optimal work Lifter pin and what efforts should be done to optimize the work of the pin Lifter. The purpose and purpose is to find out the factors that cause not optimal Lifter pin work and to find out what efforts should be done to optimize the work of the pin Lifter

In this research will use the USG method is one tool to arrange the order of priority issues to be solved (Kepner & Tregoe). The way to determine the level of urgency, seriousness, and the development of the issue by providing a value of 1 - 5 or 1 - 10. Issues that have the highest total score is a priority issue, so it can know the effect of the delay of Lifter pin work against wire locking during the towing process.

The conclusions can be from the identification of the Lifter pin work against the wire locking during the EWIS LADY towing barge process on the SV vessel. TSS PIONEER 5 is the factors that affect the not optimal Lifter pin that is less optimal hydraulic system caused by leakage in the hydraulic pipe due to corrosion pipe, In the line of hydraulic oil there is dirt and gross filter on the system hydraulic. Rising hydraulic oil temperature caused Due to the clogging of hydraulic cooler. The effort done to optimize the work of Lifter pin is to replace the pipe with a new one and replaced with the appropriate one in the manual book, Conducting disassembly on the flow line of hydraulic oil to be cleaned dirt piling up the flow of hydraulic oil flow with bribe, Cleaning and replacing the filters according to the manual book for perfect results. Perform cleaning on hydraulic cooler by cleaning using brush wire and fresh water.

**Key Word:** *Not Lifter Pin, USG method , hydraulic System.*