

ABSTRACT

Akbar Dwi Kurniawan, 49124533, 2017, “*Optimizing Maintenance Suction Valve And Exhaust Valve On Main Engine With Fishbone Method In MT. Lucas*”, Diploma IV, Teknika, Merchant Marine Polytechnic Semarang, Supervisor: (I)F.Pambudi Widiatmaka, S.T., M.T., (II) Dr. Capt. Suwiyadi., M.Pd., M.Mar.

This study aims to better understand how to carry out maintenance suction valve and the exhaust valve and the main engine to better understand the factors that can support the suction valve maintenance and engine exhaust valve stem so that the operation of main engine can be carried out in accordance with procedures.

This research was conducted in the ship MT. Lucas for approximately 1 (one) year ie on 10 December 2014 until the date of December 13, 2015. Sources of data were obtained on primary data obtained directly from a study by observation and by providing interview questions to the crew at MT. Lucas to get an understanding of the treatment on the suction valve and exhaust valve, as well as literature related to the title of the thesis.

The results obtained after analysis showed that first: damage to the suction valve and exhaust valve due to lack of maintenance and damage to the suction valve and the exhaust valve is caused due to non-realization of care according to the maintenance schedule.

Key words: care, suction valve and exhaust valve.