

ABSTRACTION

Dony Ahmad Nugroho, 5034963.T, 2017, *Identification of Flue Gas Exhaust Valve at MT. Martha Tender*, Diploma Program IV Department of Teknik, Merchant Marine Polytechnic Semarang , Supervisor I: H.Sumarno PS, M.M., M.Mar.E, Supervisor II: Ir. Fitri Kensiwi, M.Pd.

The exhaust valve is one type of valve which is the main component in the diesel motor whether it is four neither the two nor the two that serves as a valve to open and close the flow from the combustion gases leaving the combustion from the cylinder or combustion chamber to the exhaust valve manifold . The purpose of this study is to determine the cause of disturbance in the exhaust gas valve of the parent motor.

The method used in this thesis is Qualitative Descriptive method with ultrasound part method to determine the priority of the problem. The formulation of the problem of this research is what factors cause disruption of exhaust valves, and how efforts are made to the existing problems.

The results obtained from the identification of the research indicate that the disturbance of the engine exhaust valve is a compression leakage in the valve caused by wear and tear on the spindle and the seat, the use of the valve exceeding working hours, and the blockage of the cooling water in the seating. Efforts are made to overcome the disruption of exhaust valve is to do grinding, maintenance according to valve working hours and cleaning the pit of cooling water in the seating.

Keywords: Exhaust Gas Valve, Research Methods, Causes of disturbance and efforts made.