

ABSTRACT

Herdianang W, 2017, NIT : 49124542.T, Identification Declining Influence of *Turbocharger* Performance Against Combustion Engineering Master MT. GEDE With *Fishbone* and *Hazop* Method, IV Diploma Course, Politeknik Ilmu Pelayaran Semarang, Supervisor I : Heri Sularno, M.H. M.Mar.E, Supervisor II : Adi Oktavianto, S.T.,M.M

Turbocharger is a tool that serves to supply as much as possible compressed air into the combustion chamber. The turbocharger consists of a turbine side of the blower side and side. Their problems or disorders of the turbocharger can reduce the supply of air entering the combustion chamber, because it is then the need for rapid handling of the factors causing disturbances turbocharger in order to supply clean air is always fulfilled, that is by doing repair and proper maintenance planned at each turbocharger parts and operating in accordance with the Instruction manual Book.

Given the importance of the function of the turbocharger, the presence of the aircraft must be cared for and maintained properly and to better maintenance or treatment in this paper author uses the fishbone and HAZOP method approach. Where this method is to identify problems or hazards that arise in the operation of the system. Fishbone and HAZOP can be defined as a system and form of assessment of a design or existing process or operation with a view to identify and evaluate the problems that can be described the causes, consequences and treatment appropriate to bring it closer to the beginning or to work back and prevention so as not so that operations run efficiently.

By carrying out these procedures is expected turbocharger can supply clean air and maximum. So that shipping activities can run smoothly and the company did not suffer losses due to the disruption of the smooth operation of the ship. In the final part of this thesis.

Keywords: turbocharger performance, Combustion Main Engine, Fishbone and HAZOP analysis.