

ABSTRACTION

Anggit Nurcahyo, 51145400.T, "*Analysis of the failure of the inverting mechanism of engine revolution in MV.Meratus Medan 1*", Diploma IV Program, Teknika, Polytechnic of Semarang Ship Sector, Advisor 1: Achmad Wahyudiono, MM, M.Mar and mentor II: Adi Oktavianto, ST., MM.

Reversing mechanism is a reversing system that involves Fuel pump roller as a reversal tool directly related to fuel. The shift from the fuel pump press step is achieved by turning the drive roller, which is placed on the reversing lever of the reverse rotation rod towards the new direction of rotation.

This research was conducted on board MV.Meratus Medan 1 from PT.Meratus Line company for 12 months. Source of data obtained directly from the place of research by way of observation and direct interview with the Chief of Machinery Room (KKM) and the drivers, documents and literature related to the title of this thesis.

The results obtained from this study indicate that the MAN B & W type (MC type) diesel engine in the fuel revolving mechanism is highly dependent on the condition of the Reversing mechanism. If there is damage to the fuel pump roller guide that there is damage to the link for reversing parts that are broken then the fuel that should go to the cylinder will be hampered and can result in the failure of the engine returner because there is no combustion inside the cylinder when the position reverses. Therefore, the maintenance of this mechanism in accordance with the instructions is the right step to improve the performance of the host machine.

Keywords: Reversing mechanism, Diesel Engine, maintenance