

ABSTRACTION

Febry Eko Romadhon 2017 NIT: 49124570.T, "Temperature Effect of Gross Plate Cooler ON Low Against Diesel Generator for Google Pages Tree Analysis Method Error In MV. Fleet Purnama". Thesis Program Teknik. Diploma Program IV, Shipping Imu Polytechnic Semarang, Supervisor I: H. Suwondo, M.M., M.Mar.E And Supervisor II :. Captain Budi Mantoro, M.Si, M.Mar .

The refrigeration system in MV. Purnama Fleet used to support the review and the smooth operation onboard auxiliary machinery. Searching google pages above their diesel engines ship generator can be to support the electricity system and the smooth nets shipping. Article search google for reviews on fluency on provisions cooling system required regular temperatures between 710C and 600C up for review if temperatures exceeding conditions on can be made the diesel engine generator problems caused by dirty plate yan in between cold low temperature 770C up to 820C. The author formulates issue with searching factors from the dirty on low temperature cold plate, Impact of gross on low temperature cold plate, and the efforts taken to review its gross overcoming on low temperature cold plate. The author summarizes the problems and try solving the problem with fault tree analysis method using namely to make tree method error as the cause of the problem seekers, and also coupled with interview, observation and literature study.

Based on the findings of research carried out in MV. Fleet Purnama with using method of fault tree analysis can be concluded that the factors what can be affecting the work plat on low temperature against cold diesel engine plant is a decrease in capacity of air cooling sea low temperature cold, matter on dishes, change Pressure sea water sign and out , gas diesel engine generator discard on high, changes in air temperature cooling sea air flushing. These factors are secondary event can still be traced again its cause.

Impact of gross on low temperature cold plate will cause a rise in gas discard on diesel engine generators, diesel engine generators heat, round diesel engine plant down-operate automatic. As well as the expansion of materials exposed due to excessive heat. For a review keeping the temperature differences at optimal cooling systems namely perform on care components of the refrigeration system operates routinely accordance with intruction manuals.

Keywords: Flue Gas, Diesel Generator, Fault Tree Analysis.