

ABSTRACT

Andika Haris Maulana, 2017, NIT : 50134986. T, " Failed burning on incinerator burners hamper the work of efficiency during burning of rubbish in MV. Hanjin Santana ” Study Program of Diploma IV Merchant Marine Polytechnic Semarang Mentor I : H. Rahyono, SP.1, MM, M.Mar.E Mentor II : R.A.J Susilo Hadi Wibowo,S.IP,MM

Incinerator is a tool designed with main combustion chamber to burn wasted oil and solid waste, and second combustion chamber and final combustion chamber to burn waste and unburn waste and the final second combustion chamber for burn to burn the rest of the garbage and the flue gas that is not burned. Burned chamber also be equipped with diesel oil burner and namely each of it called by primary burner and secondary burner, as well as a tool used to burn garbage and other waste in the engine room except from hard material and plastic, sludge, lub oil. Such as the function from burner wasted oil burner is the function the part of triangel fire and thats tools must get treatment and repair to keep the burning in incinerator keep optimal. It can look from the incinerator performance while in operation is the burner can work well to make the perfect burn in other to get the optimal burning also there is other factor others that must be considered include to keep the filter dirty oil clean, keep the themperatur of wasted oil tank and setting up fuel pressure.

From the problem of authors experience take the formulation of problem by looking for the factors that cause burning failure in burner incinerator and efforts to address it and collecting qualitative description data with methods of USG (*Urgency, Seriousness, Growth*).

From this research indicated that the failure of burning in burner incinerator caused the fuel system is having problem, the fuel system that get problem caused by the themperatur of dirty oil which is too low so burning is not optimal, mixing oxygen and bad fuel because clogged nozzle burner and the distribution of dirty oil is not optimal because the filter is dirty.

Key word: burning, burner, incinerator