

ABSTRACT

Agus Firmanto, 2018, NIT : 50134924 T, " *Identification of the burning of the electric motor drive oil lubricant pump in MV . DK 01* ", thesis Teknik Studies Program, Diploma Program IV, Politeknik Ilmu Pelayaran Semarang, Adviser I: H. Sumarno PS. MM. M Mar E. Adviser II: Capt. Bharto Ari Raharjo.

LO pump is a lubrication system that helps the engine work to lubricate the engine parts while cooling the moving parts of the engine or rotating. In this system it takes power to make or circulate that is pump. While as the driving force of the pump is an electric motor (EL-MOT), because something that the driving force or electric motor (EL-MOT) is experiencing the disruption of burning

To determine the main factors causing the burning of electric motors the author uses the SWOT method (Strengths Weakness Opportunities Threats). where this method is to identify determine the strength factor, the weakness factor, the probability factor and the threat factor, as for the factors that influence is solved with defensive strategy (WT) that is survival technique by reducing internal weakness and avoid threat. Using this method will make it easier for writers to solve the problems that occur in the electric motors driving the LO pump

From the results of the study through the method of SWOT (Strengths Weakness Opportunities Threats) is obtained results, that the burning electric motor drive LO pump is the ruaknya or ausnya bearing mounted rotor shaft. in the end the authors present conclusions and suggestions

Keywords: Overload, Damage Bearing, SWOT (Strengths Weakness Opportunities Threats)