ABSTRACT

PT Primajasa is the company that moves in the field of transportation services. PT Primajasa provides transportation services for major Jakarta - Bandung or Bandung - Jakarta. To operasional PT Primajasa use hino bus. PT Primajasa should be able to reduce the risk of damage machine time of operation. Specifically to bus are the type machine HINO RKT still distruption damage. Damage very often caused by PT Primajasa not considering characteristic damage and age components. The high number of damage it would provoke the maintenance costs and risks damage adverse company. Hence need to be repaired activities preventive maintenance optimally. Currently, preventive maintenance activity performed yet based on the time interval care optimal with regard to characteristic damage. So are the high corrective maintenance. Hence, needed a maintenance policy machine that effective for machines HINO RKT optimation and determination intervals of time, machine maintenance considering characteristic damage, parameters distribution and maintenance cost.

Based on a diagram pareto, from the 5th machine systems HINO RKT elected four critical systems, namely system of lubricating, a system of fuel, a system of a starter, and the system turbo. To a cooling system to come to becoming research percentage large enough since the number of damage. Next after the critical system then will be research to determine policy optimation intervals of time and maintenance by using the method Reliabiltiy Centered Maintenance (RCM II) to the level of the subsystem in machines. Based on the data processing using rcm, acquired three policy of all components machine hino rkt which covers, scheduled discard task, scheduled on-condition task, and finding failure. There are, one components at scheduled discard task, 18 components at scheduled on-condition task, and one components at finding failure. The time interval policy for each components set based on the maintenance policy considering characteristic damage, parameters distribution and maintenance cost.

Keywords: Reliability, Reliability Centered Maintenance, Preventive Maintenance