

ABSTRACT

PT Kharisma Printex is company that produced printing textile cloth and dyed fabrics. In carrying out the production process, machine certainly used is important rules so that the products produced in accordance with specifications set by the number or targets in accordance with the production capacity of the machine. One of machine that has a very important role that Rotary STORK printing machine. This shows that the rotary engine STORK require greater attention because Rotary STORK machine is the most often damaged and if the machine is damaged then all this will cease production activities which would result in financial losses for PT Kharisma Printex.

Determination of effective treatment policies carried out by using Reliability Centered Maintenance (RCM II) to level maintainable items on the machine. Based on the results of data processing using RCM, Failure Mode and Effect Analysis (FMEA) and Logic Tree Analysis (LTA) obtained 3 policies for the entire maintainable items Rotary STORK machine that include scheduled on-condition, scheduled restoration and scheduled discard task. There are 2 maintainable items included into policy scheduled on-condition, 8 maintainable items with Scheduled restoration and 6 maintainable items with scheduled discard. Treatment time interval for each component is determined based treatment policy taking into account the characteristics of the damage, the parameter distribution and maintenance costs. The total cost for existing treatments is Rp. 15.805.962. And the total costs to implement the proposed treatment is Rp 41.165.500. By implementing the proposed maintenance activities, companies can perform maintenance activities to the component level and throughly.

Keywords : maintainable item, reliability centered maintenance II, scheduled task