

3972476621: MAJOR INDUSTRIAL ENGINEERING
KEY WORD: DEFECTIVE PART / IDLE TIME / STOP TIME / DOWN TIME

AUTTAGORN SINGNOI : DEFECTIVE PART AND IDLE TIME REDUCTION IN THE MOTORCYCLE
ENGINE ASSEMBLY LINE. THESIS ADVISOR : ASSIST. PROF. SUTHAS RATANAKUAKANGWAN.
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The purpose of this thesis is to use industrial engineering technique such as work study as a tool for solving a problem. The causes of losses were analysed by taking all the resources involved in production into consideration. The resources comprise machine, equipment, labour, raw material, working procedure and management. Subsequently, those caused were eliminated.

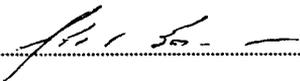
Efficiency and idle time have also been used to evaluate the effectiveness for reduction of idle time. Those results between before and after improvement have been compared. Increasing of efficiency by 23.69% from 325 units / day / line to 402 units /day / line have been found. According to the idle time, "stop time" has been reduced by 45.35% from 22.89% to 12.51% and "down time" has been reduced by 24.63% from 9.54% to 7.19%. Defective parts has been reduced by 50.82%.

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