

## **Abstract**

The research studied a transmission case in production process of Siam Kubota Industrial Co, Ltd. The information gained from this study was used to improve production line; reducing steps and the production time including increasing machine utilization and for minimizing machining time.

The study of machining process was tried out with new cutting conditions to reduce machining times. Process working steps were studied and rearranged for reducing wasting time. All improvements were carried out according to production plan.

The results of this study revealed that increasing cutting speeds could reduce machine times however tools life was not reduced. Working step improvements reduced cycle time 28 percents. The study can be model for studying and improving other production line.