

Title: Total Productive Maintenance Implementation In A Beverage Industry: A Case Study

Author(s): Ohunakin, O.S. and Leramo R.O.

Outlet: Journal of Engineering and Applied Sciences

Date:

Abstract: This paper examines the production performance of a beverage manufacturing plant. A 7-week study was undertaken at a beverage industry to gather various losses data associated with the functioning of the production line. A total productive maintenance (TPM) Kobetsu Kaizen technique was adopted to eliminate these losses and the concept was later compared with the plant's existing maintenance methods. Test results showed that a seven days' implementation of TPM increased the overall equipment effectiveness (OEE) by 50% more than the seven-week adoption of the in-house maintenance practices and with a high tendency of achieving over 85% on overall equipment effectiveness, if fully executed. Total productive maintenance was also found to be superior in reducing or eliminating losses as well as increasing equipment uptime.