

ABSTRACT

CV. Jordan Plastics manufactures types of bottle caps with shapes and sizes according to existing molds. There are 3 types of machines, namely INJ 8, INJ 9, and INJ 10. In August - November 2018, the production process was carried out at CV. Jordan Plastics on the Inject engine section is still experiencing problems such as sudden engine damage, which seems to cause great downtime and have an impact on not achieving the specified production targets. While other possible causes are allegedly the implementation of engine maintenance has not been carried out properly, resulting in frequent machine damage and resulting in decreased production. CV Jordan Plastics in August - November 2018 produces a low OEE value, namely on INJ 8 and INJ 10 machines, which is 83.80% and 83.67%. The factors that most influence the effectiveness of engine inject 8 and 10 through the calculation of six big losses are idling and minor stoppages losses. Idling and minor stoppages losses have the biggest percentage among the six factors of six big losses, namely 62.55% and 63.59%. By using the FTA and LTA can provide recommendations for recommendations to existing problems by identifying giving priority to each mode of damage to the engine inject.

Keywords : *CV Jordan Plastics, OEE, FTA, and LTA*