

Implementation of a Preventive Maintenance Plan to Improve the Availability of the “DRUM” Line at SAMHA (Brandt) Setif, Algeria

Authors : Fahem Belkacemi, Lyes Ouali

Abstract : Maintenance strategies and assessments continue to be a major concern for companies today. The socio-economic bets of their competitiveness are closely linked to the activities and quality of maintenance. This work deals with a study of a preventive maintenance plan to improve the availability of the production line within SAMSUNG HOME APPLIANCE “SAMHA”, Setif, Algeria. First, we applied the method of analysis of failure modes, their impact, and criticality to reduce downtime and identification of the most critical elements. Finally, to improve the availability of the production line, we carried out a study of the current preventive maintenance plan in the production line workshop at the company level and according to the history sheet of machine failures. We proposed a preventive maintenance plan to improve the availability of the production line.

Keywords : preventive maintenance, DRUM line, AMDEC, availability

Conference Title : ICRE 2024 : International Conference on Reliability Engineering

Conference Location : Venice, Italy

Conference Dates : April 04-05, 2024