

Abstract

The industrial maintenance implementation requires to the behaviour system analysis and their components. In this work, we optimize the maintenance actions to eliminate failures in the inspected industrial process. Our purpose in this work is to improve the components reliability in gas compression system, by the planning of the maintenance actions based on failure analysis using the intervention optimization in industrial centrifugal compressor plant. The finality of this proposed approach is proved by the improvement of the reliability performances and by the availability of this oil installation