

عنوان مقاله:

Definition of a ranking list of components based on their effect on the reliability of the system; Case study: Glycol regeneration unit of Farashband gas refinery of Iran

محل انتشار:

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خلاصه مقاله:

In order to maintain system reliability and high production rate, at oil, gas and petrochemical industries and other manufacturing plants, that is important to define the critical components based on their impact on the system reliability and define a ranking list of these components. In this paper at first based on the classic formulation of reliability and formulation of availability, reliability, downtime and lower bound of reliability of the system, an importance value formulation of components is achieved. Then, considering the glycol regeneration unit of Farashband gas refinery of Iran as the case study, the ranking list of the components of this unit is defined.

کلمات کلیدی:

System reliability; Critical components; Availability; Mean down time

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