

Abstract

The power transformer is a major electrical component in the operation of electricity networks, and their choice requires a thorough study that takes into consideration the importance of the consumer bear its maintenance and protection .in this work I have done choice of power transformers .in a gas liquefaction zone based on data from a final dissertation I calculated the powers and chooses the normal regime in transformers and emergency operation and I study the disturbance and I Pap protection and people with differing average suite I study in general maintenance and maintenance applied to the transformer and I put a summary table and I study a few more problems frequent and solutions to implement to resolve problems before end of life. Finally I noticed that the installed transformers are similar to those I have chosen