

Introduction

The technique of Non-Destructive Testing (NDT) has been one of the most improved branches of science due to its increased application in any developed establishments. NDT is a method used for testing a surface or internal of materials defects or discontinuities, which do not damage the material under test. In this survey comparison between the medical X-ray machines and the oil pipeline X-ray machine was done.

Chapter one contains an introduction of nondestructive test main methods of the nondestructive testing methods are typical classified into three general categories, surface (to detect conditions those are open to the surface examined), volumetric (to detect conditions through the entire volume, including surfaces)

.and other (methods that do not fit well in the other classifications) of NDT

Chapter two consideration of the general construction of the X-ray machine

.are presented with focusing on using of X- rays a diagnostic tool

The radiographic films are considered in chapter three, and chapter four

contains comparison between the medical X-ray machines and those which are

.used in NDT testing of pipelines