

2016

Flare Test, an application on the welded steel tubes, study with simulation

Daheche Bilal, Hannachi Mohammed Tahar, Djebaili Hamid

Abstract : In this study, we try to describe the flare test that we have apply on tubes that have been welded by high frequency induction HF, and its experimental procedure. The test is carried out in ENTTPP (National company of pipe mill and processing of flat products) on pipes has been made from steel of type S235JR. All the work steps focus on the welded joints and its mechanical properties where the flare test one of the destructive testing (CD) series can ensure the efficiency of the welding.

Keywords : Induction welding, steel, drafts tube, tube finished, high frequency induction, S235JR, attraction, flare, destructive testing, Castem 2001.