

Allowable External Loads on Oil Tank Shell Openings¹

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Abstract

The process of oil storage maybe considered one of the important processes in the oil industry. That is due to the large quantities produced, and due to the large refined quantities which are prepared for use in most industries. Due to the importance of this process good deal of care should be taken in designing these tanks because oil is dangerous and poisonous product. one important point in the design process of tanks is the determination of the critical external loads on the openings of tank's shell. The determination of these loads make it possible to determin the needed thickness of the reinforcement plate arround the opening and the neck of nozzel to avoid the possible shell deformation or any other problems.

¹ For the paper in Arabic see pages (213-235)

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