

Evaluation of Corrosion of Contact Line Supports made of Galvanized Steel Pipe

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Since galvanized steel has good balance among mechanical strength, price and corrosion resistance, it is widely used as contact line supports. When corrosion occurs on the surface of the steel, rust is generated on the surface of the steel. So, it is easy to find steel corrosion and to determine the corrosion degree of the external surface of the galvanized steel. On the other hand, it is difficult to determine the corrosion degree of the internal surface of the galvanized steel pipe because it is difficult to inspect the internal surface of pipe. This paper reports the investigation results of the corrosion degree of the removed galvanized steel pipes in order to establish proper maintenance of contact line supports made of galvanized steel pipe.