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## **Drawing the Line on Crane Safety Line Pull**

(DESCRIPTION)

Text, Drawing the line on safety. Line pull.

(SPEECH)

[MUSIC PLAYING]

HANK DUTTON: Listen up. A commonly overlooked factor when determining the crane's rate of capacity, the amount of weight the crane can safely lift, is line pull. Line pull may vary depending on the crane manufacturer. It refers to the pulling force of the winch or the maximum permissible load of the wire rope. It's also one of the most often misunderstood concepts on crane certification exams.

Here's an analogy for you. If you go fishing with 5-pound test line, would you expect to be able to catch a 20-pound fish? Right. Even with an extra strong rod, that fish would never make it into the boat. The same holds true for cranes. You need to ensure that the crane has enough parts of the line reeved before attempting a lift. Just like the 5-pound test, 20-pound fish example, of all the factors you need to consider, it's the weakest one that will limit what you can lift. Remember that the next time you're fishing for a big one. Oh, and I like mine fried.

[MUSIC PLAYING]

(DESCRIPTION)

Construction solutions from end to end. Brought to you by Hank Dutton, Senior Technical Specialist with Travelers Construction Risk Control.

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For more information on the Travelers Professional Crane Operations training program, contact your Travelers representative.