

container vs their rated loads. The improvement factor represents the additional load factor that would need to be applied to the cryogenic container to obtain the same reaction load as the Greenbrier and Thrall cars carrying their load limit.

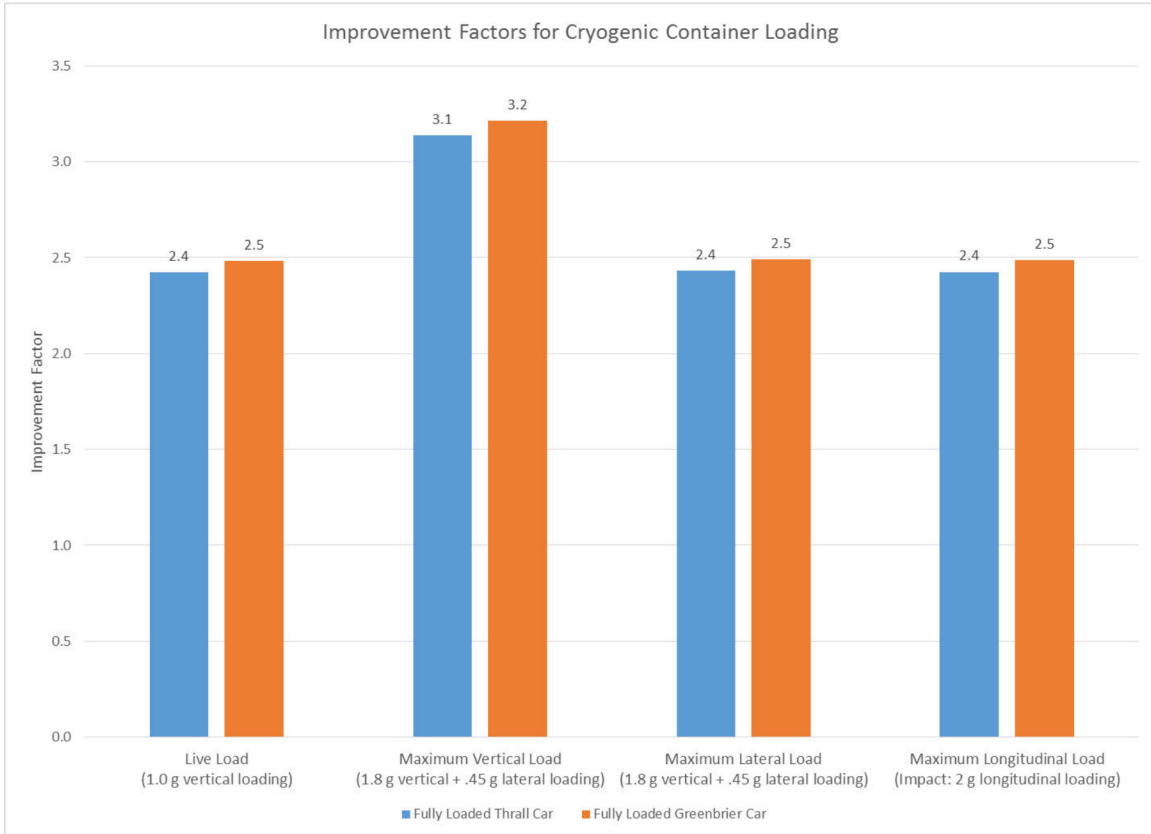


Figure 2: Improvement Factors for Thrall and Greenbrier Car Designs

The figures show that the cryogenic container loading was significantly less than the rated loads for either car, which would result in reduced stress significantly below the design limits.

The container cones on the well cars are standard intermodal types that do not have locking features. Both the standard containers and the cryogenic container are held in position by gravity. An acceleration equal to 1.0g vertically upward would be required to lift the container from the cones, which is the same regardless of the type of container loaded into the well car.