

American Plastics Group Haycase test 01/29/2010

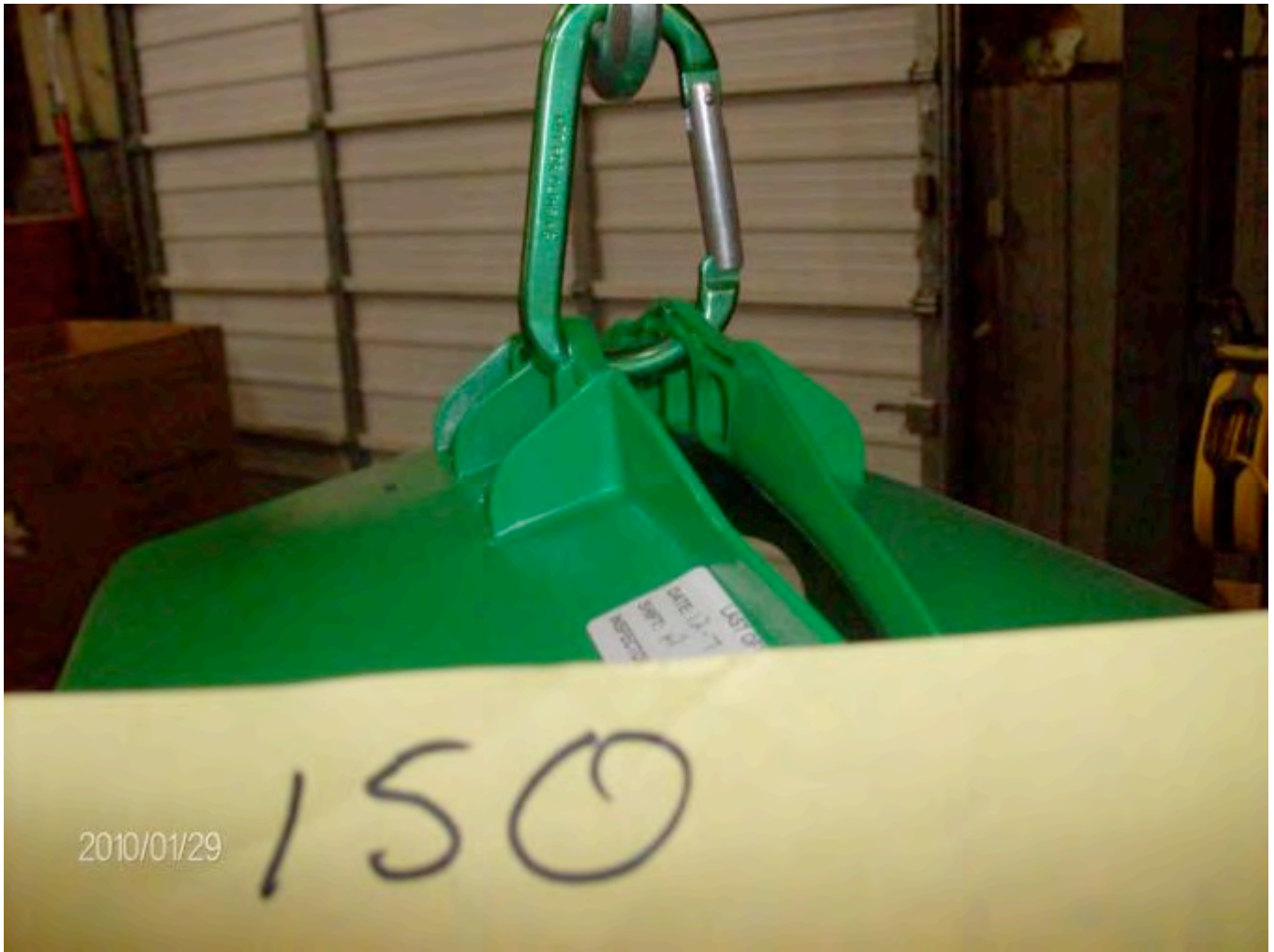
The test was designed to determine how much weight applied to the handle area would be necessary to cause the handle(s) to tear. The same haycase was subjected to the following tests.



The haycase was tested using a tub with sandbags as shown. The tub weighed approx. 6 pounds and the suspension chain weighed approx. 18 pounds.



The standard haycase hook was used for suspension.



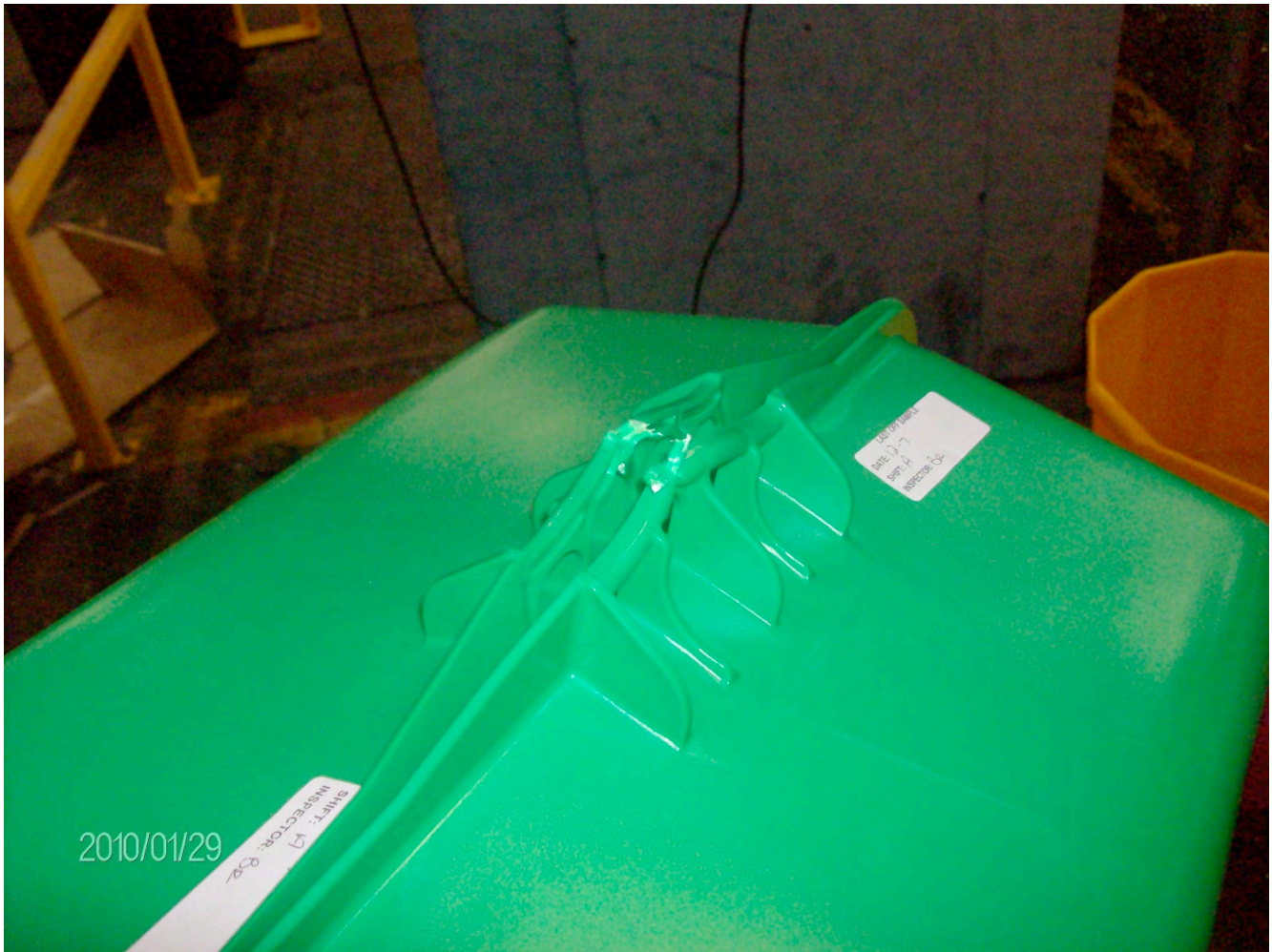
150 pounds of sandbags plus 24 pounds ( tub and chain) = 174 pounds. No deformation of the handle was noticed. Some deformation of the hook.



200 pounds of sandbags plus 24 pounds ( tub and chain) = 224 pounds. No deformation of the handle was noticed. A little more deformation of the hook.



250 pounds of sandbags plus 24 pounds ( tub and chain) = 274 pounds. Considerable deformation of the handle was noticed. More deformation of the hook.



305 pounds of sandbags plus 24 pounds ( tub and chain) = 329 pounds. The handle tore through. The hook did not break. Further extensive testing would be required to determine the approximate load required to tear the handle applying this heavier load and not subjecting the sample to increasing loads.

The estimate based on this one sample test would be approximately 300 pounds.