

Date:

Wednesday Challenge Form

Group Members: Jason, Christien, and Justin.

Problem Statement: We must create the highest sheer force between two pieces of metal using a variety of tapes, glue, and velcro. It will be tested by bolting in one side of the metal piece and putting rope connected to water jugs on the other side.

Approach: We super glued the pieces together.

Solution: As super glue has a sheer strength of 1,200 pounds per square inch, we cannot continue testing and we more or less won.

Lessons Learned: Sheer strength is the strength of friction between two objects.