

# CRYSTEEL MFG. INC. TROUBLESHOOTING GUIDE FOR POLY TIPPER DUMP BODIES

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*This document is to be used as a trouble-shooting guide for Poly Tipper Dump Bodies.*

## **Complaint – Warpage, Distortion, Soft, or Sticky Areas - First determine cause:**

- Questions to ask the Customer:
  1. Describe the loads that you have been hauling?
  2. How long did the material remain in the body?
  3. Was the load covered with a tarp?
  4. What was the temperature of the load?
  5. Describe the condition of the Mounting Brackets and Clamps?

## **Possible Causes of Warpage and Distortion:**

- Hauling Materials in excess of 170 Degrees
- Hauling Materials between 120 – 170 degrees for an extended period of time in a manner that retains the heat, such as covering with a tarp
- Loose or Failed Mounting Brackets

## **Possible Causes of Soft or Tacky Areas:**

- Hauling Petroleum based products
- Hauling material contaminated with a Petroleum based product

## **Possible Remedy:**

- Educate the Owner/Operator that the Poly Tipper is not designed for hauling hot loads or loads with a petroleum base
- Some warpage *may* be removed by careful heating of the dump body, restraining it in the proper shape, and allowing it to cool slowly. (**Never heat the Dump Body to the point that the Polyethylene becomes tacky**)
- Soft or Tacky surfaces, due to Petroleum, may harden if allowed to air dry with good ventilation
- Properly maintain all Mounting Brackets and Clamps

**Complaint – Cuts, Gouges, or Punctures**

- Questions to ask the customer
  1. Describe the loads that you have been hauling?
  2. What type of loader was used to fill your truck?
  3. Describe the loader operator's ability?

**Possible Causes of the Cuts, Gouges, or Punctures**

- Loads containing demolition material, such as broken concrete and rebar
- Abusive loading techniques

**Possible Remedy**

- Educate the Owner/Operator that Poly Tippers are not designed for heavy demolition loads or to withstand damage from loader teeth or dropped loads
- Assure the Owner/Operator that superficial scrapes and gouges are to be expected and will not compromise the structural integrity of the body
- In extreme cases, punctures should be drilled to a smooth edged hole and covered with a steel, bolt-on patch. The drilled hole and all bolt holes must be edge beveled on both sides of the dump bed to relieve stress.