

Premium Supply – Dump Trailer “Overload”!!

By Jeff Murphy, Premium Supply makers of Power Hoist

Dump Trailers...Many are made and sold every year. And every manufacturer who builds them has the risk of someone overloading the trailer. And we all know that no one ever does that!

If you were in the business of moving debris, and every time you moved a load it cost you money; in fuel, labor, and possibly a dumping fee, you might be tempted to fill that trailer with as much as you possibly can. It is just the nature of the economic beast. Yes, we put danger and warning stickers all over the trailer but there is always that possibility that when overloaded something might break or fail.

- When looking at the hydraulic circuit for potential areas of concern, one place to look is the pressure line going from the pump to the hydraulic cylinder. If this hose were to fail, the dump trailer could come crashing down, damaging the trailer and potentially putting someone in harms way.

- An option worth mentioning is the Bridon "Load Control" valve. This "Patented" valve lowers the dump box at a controlled speed whether the box is empty or overloaded in the event of a hose failure. The Bridon "Load Control" valve simply installs into the the port coming out of the pressure (or load holding) side of the hydraulic cylinder and the pressure hose attaches to the valve. No additional plumbing is required as the external body of the valve is a standard hydraulic fitting.

- In the event of a hydraulic hose failure, the dump box will lower itself at a controlled rate to the stowed position where it can be towed for service.

- Tens of thousands of the Bridon "Load Control" valves have been installed into dump trailers since 2003. It is a simple and inexpensive step to address some of the concerns for both manufacturer and end-user.



Please go to our website at www.premium-supply.com to see a short explanatory video.

- You can also come see us at the NATM show; we will be at booth # 356.