What was the challenge you set out to solve?

The problem was not having a truck on hand to move air-brake equipped trailers in and out of the maintenance shop.

How did you develop and implement your solution?

Air-brakes immobilize the trailer wheels when not connected to a truck. Our mechanics built this forklift attachment to pressurize the trailer's air-brakes thereby allowing us to move the trailers in and out of the shop when a truck is not available.

What did it take to make this solution a reality?

The parts cost about $400.00. Sand blasting and powder coating cost $235.00. Total cost was $635.00.

What was the impact and results of your efforts?

Our shop is much more efficient now that they can move trailers without waiting for a truck to become available. The trailers are also easier to maneuver in tight spaces using a forklift versus using a truck.

Video Link:

https://vimeo.com/529011039/b56cd855cf