



# Peerless Vertical Turbine Pump Overhaul

ROTATING EQUIPMENT SPECIALIST

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Here at Powers Bros. Machine we would like to further your knowledge of our ability to rebuild your pumps. We have been successfully rebuilding pumps for different sanitation districts, water departments and industrial pump users for years. Here is a little information about a pump rebuild we did recently for a Water District in Southern Orange County.

**Application:** Water lift for storage

**Pump Details:** Worthington  
7 Stage Vertical Turbine Pump



## Pump Shaft

The severely damaged shaft was repaired using a special alloy designed for use on pump shafts, applied using our Thermal Spray System. This coating is typically much harder than the original stainless steel shaft and a fraction of the price of a new shaft.

## Packing Box

The Stuffing box was extremely damaged and required a bronze insert to create a sealing surface for converting to a new mechanical seal.

## Impeller

The impellers wear ring area were machined under to allow a customer ring to be installed.



## Pump Bowl

The bowls registers were machined to re-establish concentricity and alignment.

## Assembly

The entire pump was disassembled repaired and reassembled in house at Powers Bros. Having a large shop we can perform all operations here under one roof.



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