

Why You Should Consider Hydraulic Trash Pumps for Waste Water Applications

Case Study Carpinteria Sanitary District

3810 SE naef Road
Milwaukie, OR 97267
Phone: 503.659.5660
www.stanleyhydraulic.com

HYDRAULIC TRASH PUMPS FOR WASTEWATER APPLICATIONS

STANLEY

Meeting Heavy Duty Wastewater Processing Demands with Hydraulic Trash Pumps

PROBLEM

Carpinteria Sanitary District was using a towable 4" self priming trash pump for the dewatering of a water and grit slurry. Towable trash pumps are standard equipment for wastewater applications such as this due to the pumping capacity and ability to handle solids.



On the day the dewatering was scheduled, the pump stopped working as it could not handle the high concentration of grit in the slurry. Therefore, CSD was in desperate need of a high end trash pump.

Towable 4" Trash Pump

SOLUTION

Luckily for CSD, it scheduled a demo with Eric McCorry, a local Product Support Specialist from Stanley Hydraulic Tools, for the following day. At the time CSD was unaware of hydraulic trash pumps and their effectiveness. Eric ran the TP08 4" trash pump with the HP28 twin power unit. The TP08, despite it's handheld size, is capable of pumping 800 gpm and up to 4" solids.

RESULT

They ran the HP28 consistently from 7:00am - 12:00pm with few breaks in operation. In order to remove the grit the power unit was turned off to add more water to the mixture, but otherwise ran for a majority of the 5 hour period. The TP08 worked extremely well in the application! The slurry mixture was pumped with ease and Carpinteria Sanitary District was very impressed with the performance of hydraulics!

To have Stanley Hydraulic Tools perform a demonstration for you call 503-659-5660 to find the Product Support Specialist in your area.



HP28 Power Unit being lowered onto tank roof



HP28 Twin Circuit Power Unit

TP08 4" Trash Pump



Overview

The Carpinteria Sanitary District (CSD) in Carpinteria, CA was in need of a trash pump to dewater a half full 290,000 gallon wastewater tank that contained a mixture of water and grit.

CSD needed to pump the slurry to a conveyer belt which then pressed the last amount of water from the grit. The grit was then placed in a separate storage compartment for processing and later to be sold as fertilizer. The water storage tank is pumped once a year so the grit doesn't build up to a point where it cannot be removed.

Hydraulic Advantages

Simply put, hydraulics are the most efficient way to power a tool, as compressed oil transfers energy more efficiently than other methods. The closed system keeps the tool lubricated and ensures enhanced durability. If you've never considered hydraulics for your heavy duty applications maybe it's time to start.



TP03, 3" Trash Pump, for use in water main repair and maintenance