

APPLICATIONS PUMPS



OIL STORAGE TANK CLEANING

File No. 143

Section 6

PROBLEM:

To find a more efficient method of cleaning oil storage tanks.

SOLUTION:

Incorporate a high pressure pump in a complete pollution control/tank cleaning truck mounted system.

SPECIFICATIONS:

CAT PUMPS Model	*1024
Pressure	3000 PSI
Flow	6 GPM
Temperature	Ambient
Fluid	Water/Chemicals
Duty Cycle	Continuous
Drive.....	Hydraulic

*Alternate CAT PUMP model 650 plunger pump.

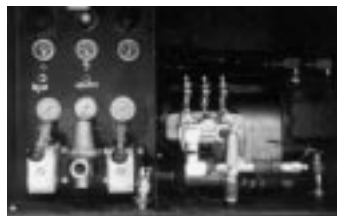
BENEFITS:

- Provides significant time savings: what formerly took two weeks, now takes less than two days.
- Results in a better clean-up: Former hand method removed the sludge but could not clean the tank surfaces as the high pressure does.
- Offers versatility: system can be used for oil spillage clean-up at any location with a chemical high pressure washing of the area after oil removal. This unit is also easily adapted to fire protection.

OPERATION:

After a period of time, sediment and oil film accumulate at the bottom of oil storage tanks. To replace the time consuming and inefficient traditional manual method of removing this sludge, a self-contained truck-mounted cleaning system was developed containing a vacuum and a high pressure pump. With this system only one man enters the tank to handle the clean-up. A CAT PUMP operating at 6 GPM, 3000 PSI, complete with an unloader, a nozzle and a 5000 pound shutoff gun blasts the inside surfaces of the tank, cleaning to the bare metal. This system also contains its own water supply and chemical feeder for the cleanup. Once the tank surfaces are cleaned, a rotary vacuum pump sucks the sludge and water from the oil tank into the holding tank on the truck.

The "Super Sucker" has a compact pump drive unit with water and hydraulic controls conveniently mounted behind the cab of the truck for easy monitoring of the operation.



"Customer confidence is our greatest asset"

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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