

# APPLICATIONS

## PUMPS



### OPERATION:

Bulk cement and readymix concrete trucks require regular cleaning. Bulk trucks haul dry cement to the wholesaler for bagging or to the readymix supplier. When dry cement is loaded into the bulk trucks, spillage occurs. Any rain or humidity causes the cement to harden and form a concrete scale which is difficult to remove. Without a convenient and effective cleaning system, this clean-up is often neglected unit it seriously effects the loading.

A trailer mounted, diesel powered model 6024 CAT PUMP cleans the readymix trucks following daily concrete deliveries and removes the concrete scale around the loading hatch of trucks carrying bulk cement.

Readymix trucks face a similar problem of clean-up. Most trucks carry a small portable water source and standard garden hose to wash down the chute after delivering a load of concrete. However, when the trucks are returned to the yard at the end of the day, a thorough cleaning of the entire truck must be done. Cement inside the drum must be removed to prevent build-up and potential malfunction of the equipment. The entire exterior of the truck must be blasted clean also. Each time the truck is loaded with concrete, a certain amount of spillage occurs. By the end of the day, after several hauls, the sun and weather have baked the concrete onto the truck and removal becomes increasingly difficult.

Concrete that has set for less than 24 hours can usually be removed with 5 to 6 GPM and approximately 1200 PSI. However, weather conditions will also alter the set-up for concrete and may require greater pressures for clean-up. Concrete after 30 days needs 12 GPM, 5000 PSI and sandblasting. A wet sandblasting unit is easily adapted to this system.

## CEMENT TRUCK CLEANING

File No. 148

### Section 7

#### PROBLEM:

To keep the loading hatch of trucks carry bulk cement clean. To clean mixed cement from readymix trucks.

#### SOLUTION:

Develop a high pressure blaster/cleaner using a CAT PUMP model 6024.

#### SPECIFICATIONS:

CAT PUMPS Model .....	*6024
Pressure .....	Up to 5000 PSI
Flow .....	Up to 12 GPM
Temperature .....	Ambient
Fluid .....	Water/Sand Injection
Duty Cycle.....	Intermittent
Drive .....	50 H.P. Diesel Engine

\*Alternate CAT PUMP model 6811 or 3801 block-style plunger pumps.

#### BENEFITS:

- Portability.
- More frequent and thorough clean-up.
- Clean hatch makes smoother bulk cement loading.
- Versatility from daily cleaning to sandblasting needs.
- Longer lasting equipment as a result of better maintenance.
- Removal of cement weight for increased fuel economy for trucks.



*“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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*The Pump with "Nine Lives"*

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