



APPLICATIONS PUMPS



SHIP HULL WET-SANDBLASTING

File No. 175

Section 4

OPERATION:

High pressure water blasting is done above and below water. It is a very controllable cleaning process. The pressure and flow can be adjusted for any cleaning job from removing surface dirt to stripping chipped paint or barnacles. High pressure cleaning is a flexible cleaning system also. It can be a portable, manual system with several guns to accommodate hard-to-get-at spots or a portable, automatic system with a specially designed oscillation nozzle arm to follow the whole contour of the ship's hull.

A CAT PUMP is part of a truck-mounted, diesel-powered manual system. The manual system was chosen because it can adapt to the varied cleaning jobs of this contractor who refurbishes small pleasure craft, as well as, larger commercial vessels. The pump delivers 12 GPM and 5000 PSI of water to remove the most stubborn attackers of these ship hulls. When paint is removed, a rust inhibitor is used to prevent further rust development until the vessel is repainted. It has been found that high pressure blasting is much more effective than the old by-hand method with brushes and scrapers in removing the rhizoid of weed spores or barnacles. The old cleaning methods didn't get at the root of the problem and the growth quickly reappeared. When the cleaning task is especially stubborn, this cleaning system can be quickly converted to a wet-sandblaster.

PROBLEM:

Removal of rust, paint and barnacles from ship hulls in dry dock.

SOLUTION:

Use a CAT PUMP high water blaster to clean and prepare vessels for repainting.

SPECIFICATIONS:

CAT PUMPS Model.....	*6024
Pressure.....	Varies up to 5000 PSI
Flow.....	Varies up to 12 GPM
Temperature.....	Ambient
Fluid.....	Water, Rust Inhibitor
Duty Cycle.....	Intermittent
Drive.....	3 Cylinder Diesel

*Optional CAT PUMP model 3507 plunger pump.

BENEFITS:

- Portable for mobility.
- Provides environmentally cleaner process than dry sandblasting.
- Reduces manpower saving time and money.
- Offers versatility from pressure cleaning to wet sandblasting.
- Improves operation of ship saving time, fuel costs and prolongs life of ship.
- Dependable low maintenance pump operation offers continuous 24 hour cleaning capability.

“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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