



Cost savings

Fuel saving is the major reason for making underwater hull cleaning an integral part of planned maintenance.

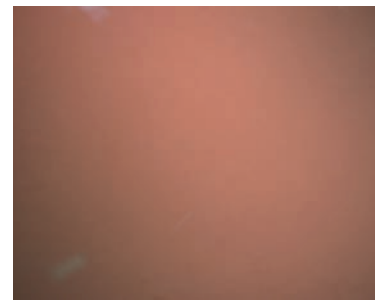
A build up of marine fouling can lead to increased drag, resulting in a detrimental impact on a vessel's hydrodynamic performance and hence the relationship between speed, power performance and fuel consumption. Fouling, particularly in the case of a prolific buildup of 'hard or shell fouling' like barnacles or tubeworm, can cause turbulence, cavitation and noise, frequently affecting the performance of sonars, speed logs and other hull mounted sensors.

The Mini-Pamper

A versatile, compact hull-cleaning machine, capable of removing mild or tenacious hull fouling from a variety of coatings; including low surface energy coatings which are frequently used on military and commercial vessels.

Mini-Pamper was initially designed for cleaning acoustically clad submarines where the absence of any antifouling paint meant that Mini-Pamper had to deal with extreme marine growth without damaging the fragile surface.

Mini-Pamper allows the operator to bring a choice of cleaning heads gently into contact with the hull until they are just cleaning and no more. Having selected the correct cleaning pressure, the machine will automatically maintain this level.



Above: UMC Mini-Pamper hull cleaning vehicle (top first). UMC diver cleaning hull with twin brush machine (second). Slime and weed formation on ships hull below the waterline (third). Hull coatings after underwater hull cleaning (fourth).

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