



32
anniversary

Sludge Cleaner



 **YHB ECO CO.,LTD**

Sludge Cleaner



Sludge cleaner newly released !

Solution for the control of metal working fluids in the field of industrial machinery and machine tools.



Cost saving



Prevention
of
occupational
disease



High
precious
metal work

1

Removal of fines, swarf and tramp oils

2

Cleaning sump without replacement of coolant

3

Continued operation during filtering and cleaning

4

High precious metal work by the filtration of fine particles in the metal working fluids

5

Prevention of occupational disease by the control of cutting and grinding fluid not to be decayed.

Sludge Cleaner

Conditions before and after cleaning

Before



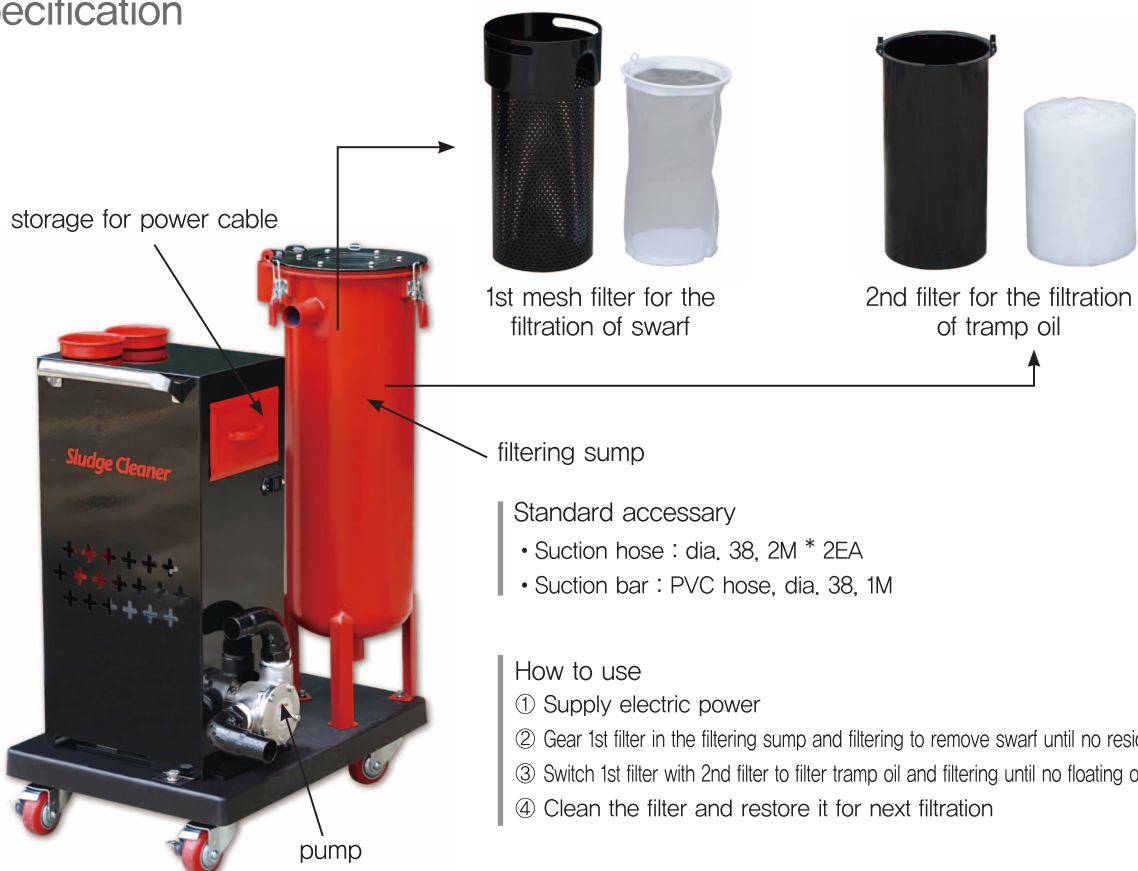
coolant contaminated with bacteria and fungus

After



clean sump after filtration by sludge cleaner

Specification



Dimension	Weight	Electric power	Capacity of filtering sump	Pump	
600×450×950	50kg	220V single phase	20L	750W	65 l /min

Coolant Guide

An important factor in coolant life is control of tramp oils. This term refers to any oils which are not part of the original coolant formulation, including way lubes, hydraulic oil, tapping fluids, gear lubes, etc. which find their way into the coolant.

- These tramp oils carry their own contaminants, such as sulfur, phosphorous or solvents, which can be detrimental to the coolant, either by destabilizing the emulsion or by providing food for bacteria. If tramp oil is allowed to cover and "seal off" the surface of the sump, bacteria will grow and multiply rapidly, producing the "rotten egg" odor familiar to many machinists. Keeping the level of floating oils to a minimum will prevent this.
- Another problem with tramp oils is the potential for dermatitis caused by skin contact with these oils, which may contain irritating components. They can be skimmed from the surface of the sump by any of a variety of methods, such as oil wheels, rope-type skimmers, absorbent pads or even shop vacuums.

An area for concern that is so often overlooked is the level of chips, fines or swarf in the sump. Quantities of these small particles can provide an enormous surface area for bacteria to attach themselves to while at the same time creating "dead areas" where coolant cannot circulate.

There are many methods available for removal of these particulates such as magnetic wheels, conveyors or sludge cleaner. In general, the less solid material in the sump or system, the better

A collector with no filter replacement



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