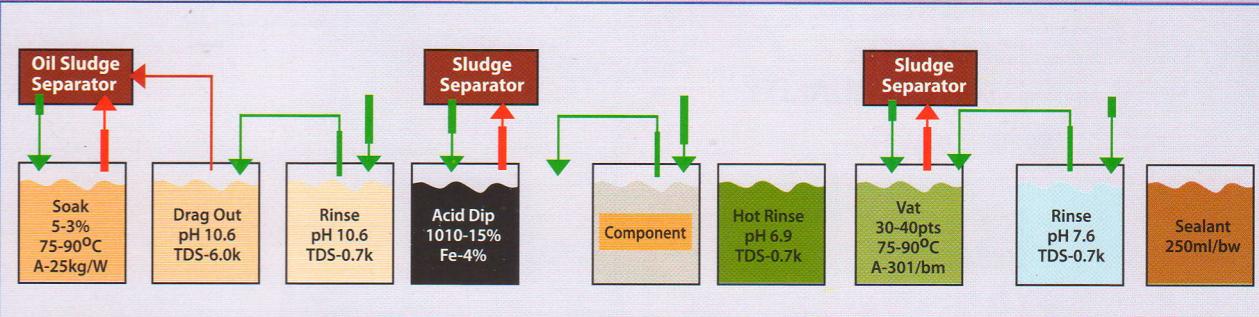


QUALITY & PRODUCTIVITY IMPROVEMENT in ELECTROPLATING & PHOSPHATING

- ✿ 5% Increase in productivity as no weekly cleaning required
- ✿ No Friday or Monday quality or month end quality
- ✿ Defects or rework down by 70%



For Online cleaning of

**ONLINE OIL (100% Oil Removal) & SLUDGE SEPARATOR for DE GREASING TANKS
(4 Years no changing of bath)**

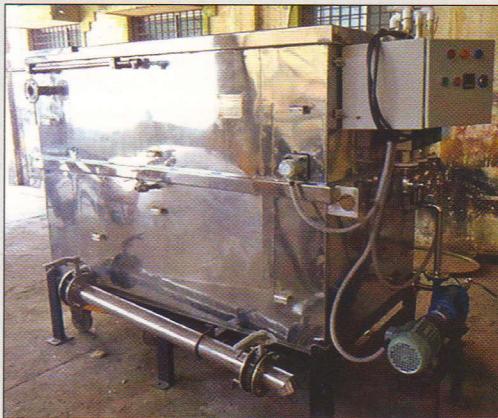
**ONLINE SLUDGE SEPARATOR for PHOSPHATING TANKS
(with Agitation no powder on the component)**

PICKLING ACIDS, TRAMP OIL FROM COOLANTS, FURNACE QUENCH WATER

OIL & SLUDGE SEPARATORS

Removes the oil 100%, QUALITY Improves by 50%.

Anything short of total removal of oil is as good as not removing the oil at all



"You can make a poor coating perform with excellent pretreatment, but...

.... you can't make an excellent coating perform with poor pretreatment."

**ABSOLUTELY NO MAINTENANCE REQUIRED
TROUBLE FREE WORKING.
THERE IS NO MOVING PARTS or PRESSURE LINES**

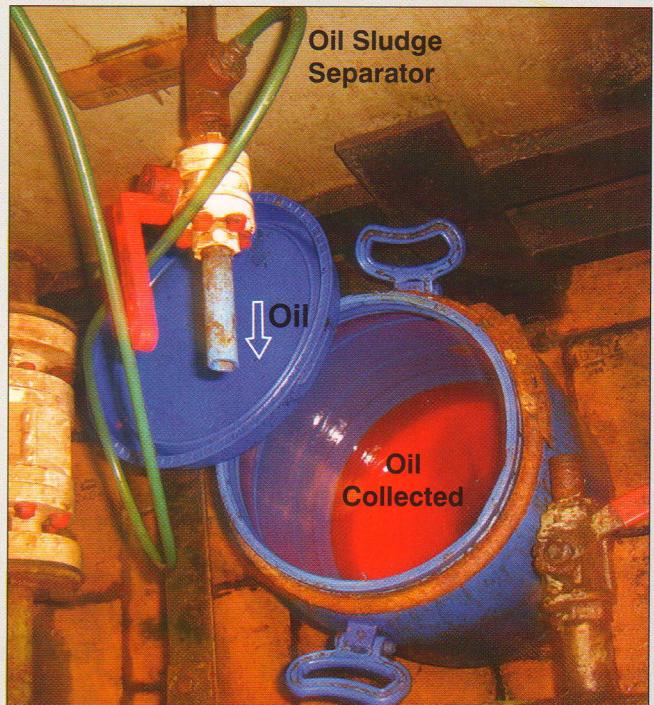
- 4 years bath life
- More than 60 units sold in the last 10 years
- Because the bath is always agitated high quality of cleaning.

INCREASE in PRODUCTIVITY & QUALITY

- No weekly cleaning is required
- 5% increase in Productivity as no weekly cleaning required . 8 hrs/week cleaning time saved 8 hrs /144hrs = 5%
- No Friday quality or Monday quality or month end quality. Bath is always clean, no oil no sludge.
- Defects or rework down by 70%. No oil floating anywhere in the tank.
- Because we are operating at a single point always, continuous improvement is possible.
- Has been working for the last 8 years, more than 100 units sold.

DECREASE in POLLUTION

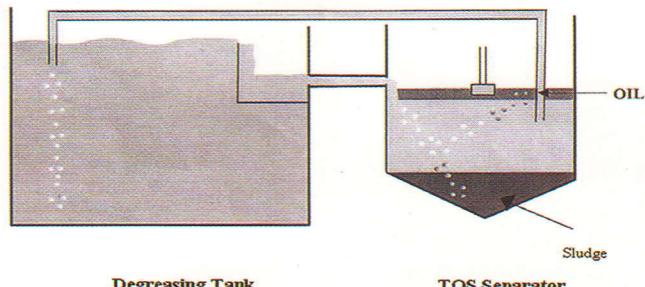
- No weekly cleaning. 30% bath solution saved.
- Because we are operating at a single point always, continuous improvement is possible



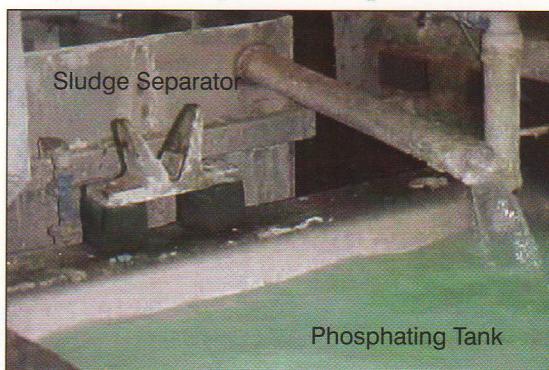
Online sludge Removal in the Phosphating tank

Degreasing Bath

OIL & SLUDGE SEPARATOR



Phosphating vat

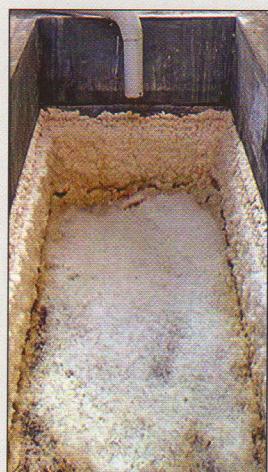
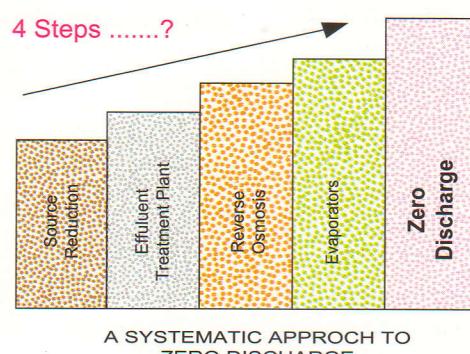
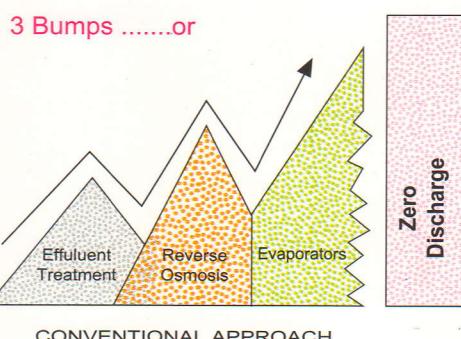


- No white powder on the component.
- Increased bath life
- Because the bath is always agitated high quality deposit of phosphating
- 20 units working for the last 8 years.

Achieving Zero Discharge easier

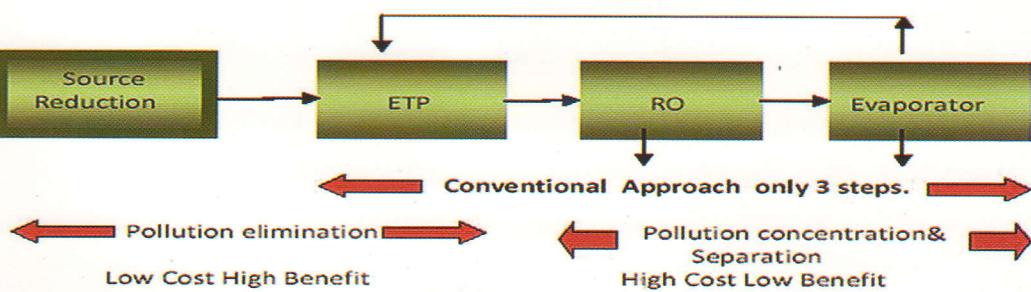
The missing link in the struggle by many companies to achieve zero discharge even after installation of fully loaded ETP + RO + Evaporator is **oil and sludge separator**
Oil and sludge separators helps to achieve zero discharge in the most economically & consistently.

Which Road you want to Achieve Zero Discharge ?



RoadMap to Zero Discharge

4 Step Strategy



Brakes India Limited

Padi, Chennai - 600 059.
Telephone : (044) - 26258161
Fax : (044) - 26257010, (044) - 26257844

Date: 18-12-09

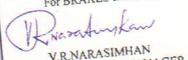
DECLARATION & RECOMMENDATION

M/S SARTIME HOROLOGICAL PVT LTD, developed the Total oil sludge (TOS) separator and Sludge separator for our Phosphating tank at Brakes India, Padai. They also developed a pump which is unique in nature to conserve water in the rinsing operation. Both the above systems are working without any maintenance problem and we find that they are very useful in streamlining our production.

We find M/S SARTIME is very professional, dedicated and sincere in executing their work and hence we recommend their services.

Thanks & Regards,

Yours sincerely,
For BRAKES INDIA LIMITED


V.R.NARASIMHAN
SR.GENERAL MANAGER

Regd. Office : 21, Patullos Road, Chennai - 600 002.
Visit our Website : www.brakesindia.com



























































































































































