

## Truxor waters care system, Germany

### The project:

Displacement of sands in waters.

### Performing company:

Ökologischer Gewässerdienst Zelder

### Project lead at Tsurumi:

Mr. Stefan Himmelsbach (Product Manager Construction Pumps)

### The problem:

Displacement of sands in areas at risk of ground breakage using the Truxor waters care system.

This is an amphibious equipment carrier that permits work on the water, on land, and in shallow water areas. The vehicle is equipped with a pump that permits the displacement of sands within the water. The problem was the high level of wear in the pump, which was not satisfactory in operation.

### The solution:

Use of a model KRS2-80 agitator pump at 4kW.

The pump is made of massive cast iron, with the wear parts made of very hard chromium alloy.

The 4-pole motor with its low speed significantly reduces wear.

The agitator powerfully stirs up the sand so that it can be picked up by the pump.

Both service life and efficiency were significantly increased.



### Specifications KRS2: <https://www.tsurumi.eu/en-EE/krs2>

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. With regards to the above application wear and tear can take place mainly in impeller, agitator, suction plate, shaft sleeve, oil ring, mechanical seal, pump casing, strainer, motor casing and discharge coupling. Depending on the working conditions the lifetime of those parts might vary significantly and can be shorter than the legal warranty period.

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