



Customer : RAVO Fayat Group
 Product group : Rubber Technology
 Market : Other industries

ERIKS RESOLVES MAINTENANCE ISSUES FOR COUPLINGS

Durable couplings fitted with vulcanized rubber



CUSTOMER PROFILE

RAVO develops street road sweepers that comply with the strictest environmental norms. The company boasts many years' experience, and is strongly focused on quality, safety and environmental considerations. RAVO street road sweepers are known for power and versatility. They are also nimble, comfortable and easy to use.

CHALLENGE

RAVO street road sweepers are equipped with rubbish containers that hinge at the rear. This allows it to unload at a designated site. The connection between the container and the frame must seal and transport without additional intervention. Previously, a steel bush with a hollow core was used, fitted with a big piece of sponge profile. When the container is in the down position, the sponge profile presses on the frame and seals it. Waste water is transported to the container through the hollow core of the bush. The bush is fixed to the container with a thread.

This construction is somewhat maintenance-prone, to put it mildly. Every month, no fewer than nine steel bushes must be replaced. The main cause is that the rubber of the sponge profile is missing or worn. This can cause the bush to break, damage the frame, or result in cracks in the containers. RAVO had used the construction described for three years, and felt it was time to put an end to this maintenance nightmare.

SOLUTION

ERIKS analysed the seal and recommended a - literally - fitting system. It consists of a modified Storz coupling, which from now on is fitted with vulcanized rubber of a very low shore/hardness. The coupling is easy to install and the rubber is highly durable. What's more, it is now a single component instead of multiple parts, and easy to swap over with the constructions on existing road sweepers.

Although the coupling is more expensive, it also provides considerable cost savings on maintenance. Before, RAVO would spend € 36,000 per year on maintenance of the road sweepers. This cost item has been reduced to € 21,000 due to ERIKS' maintenance-free solution - a direct saving of no less than € 15,000.

SAVINGS

- Cost savings
- Time savings
- Sustainability

OTHER BENEFITS

- Single component instead of multiple parts
- Easy to fit
- Less maintenance