

## Longer Lifespan for Forage Harvesters

*Corrosion Stop cleaning system developed by Toni Harju*

**Kemion Ltd. has developed a cleaning and anti-corrosion agent for the cleaning of corrosive substances used in agriculture and for eliminating the side effects. The substance improves safety at work by reducing acid mists and extending the lifespan as well as maintenance intervals of the machinery while increasing its trade-in value. Toni Harju, a contractor from Jalasjärvi Finland had already been convinced with the efficiency of the substance, but decided to develop its ease of use. In the hands of the innovative man a simple and insightful practical solution was born that enables the harvester cleaning to be completed in one minute without breaking a sweat.**

**Tapani Palo**

Machinery contractor Toni Harju's duties include slurry spreading with the Vervaet Hydro Trike slurry spreader and transportation with slurry tankers as well as producing silage with the help of 2 Claas Jaguars. In addition, Harju has two dryers, and his services also include grain pickling and versatile subcontracting services for the metal industry. This repertoire is already an indication of an active approach and therefore it's no wonder that this man swiftly came up with the idea of making the use of Corrosion Stop solution easier.

### Corrosion Stop convinces

It's very important for contractor Harju that the valuable machinery stays operational and understandably, the corrosion caused by different acids has always been a major problem in feed handling. That's why Harju was happy to test

Kemion Ltd's Corrosion Stop solution that proved itself in test use. "The liquid proved its usability and it gained more credibility with the help of the two-year test in which I placed an iron piece into acid, an iron piece into water after the acid as well as into pure washing liquid. The difference really is staggering in favor of the washing liquid," Harju says. "The problem was the cumbersome use of the liquid because after working long hours, no one is really interested in using copious amounts of time for washing the machinery. So, I decided to develop a better system that enables completing the cleaning process even when tired," Harju adds.

### Affordable efficiency

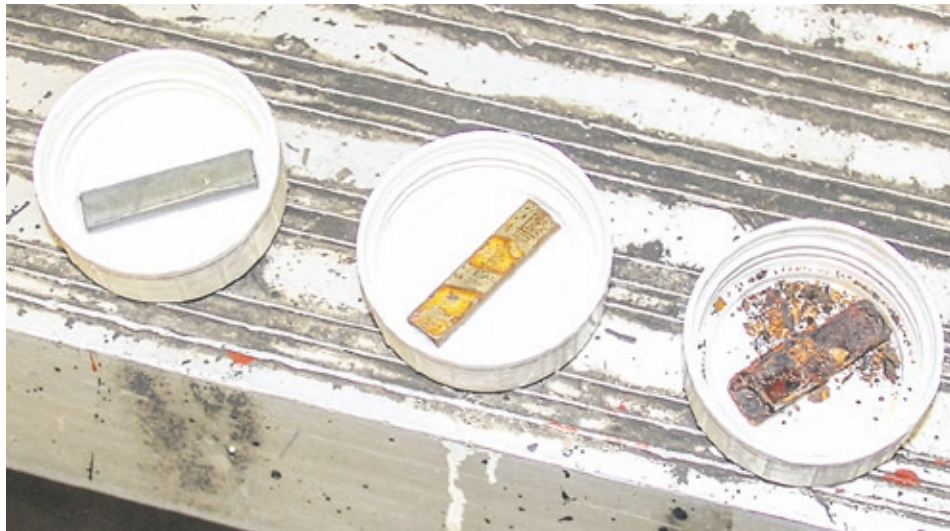
The method in itself is simply functional. In the operator cabin of the forage harvester, Harju has installed a switch that uses the harvester's intake air to effectively make the washing liquid travel to the harvester's frame and trumpet. "Approximately a one minute wash is



The cleaning system developed by Toni Harju is a great example of how usually the simplest solution tends to be the best one. Only a one minute operation controlled from the operator's cabin of the forage harvester guarantees a top quality cleaning from the corrosive effects of acid.



The trumpet is shiny after the use of the substance and also the feed slides smoothly into the wagon.



The differences are clearly visible after two years of dissolution. The iron piece on the left, that has been soaking in the liquid, is in considerably better shape than the piece in the middle that has been cleaned with water after being treated with acid or the unwashed iron piece on the right.

enough and it guarantees that the job gets completed. The use of the liquid improves the mobility of the feed in the trumpet and also the maintenance get easier when the grease nipples function while one doesn't have to work amongst acid mists," Harju adds. Harju isn't envious of the idea and he doesn't mind people copying him. "If someone is interested, I can also make similar solutions for others if necessary. The price isn't an issue because for approximately one hundred euros one can get a system for their harvester that significantly increases the usage as well as makes working tidier and more pleasant," Harju concludes.

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