



ENVIRONMENTAL TECHNOLOGY

## **AESSEAL® solves seal reliability issue at US company**

An oilseed processing and refining plant in America was having persistent problems with a single seal on a Viking pump. The seal was failing after less than a year, frequently as a result of scoring and spiral wear tracks.

An additional problem was that the installation process for the replacement was difficult and time-consuming, particularly for inexperienced mechanics. Replacing the faulty seal typically took three mechanics half a day, with the new seal being installed and then removed multiple times as part of the attempt to install it correctly. This increased the risk that at any point the single spring could damage the seal faces. It also had the effect of reducing the life of the seal.

The company approached AESSEAL® to know if there was any way to reduce the failure rate and make the installation process easier. AESSEAL® recommended replacing the existing seal with the AESSEAL® CURC™ single cartridge seal incorporating improved third generation self-aligning technology. The seal, with a modified design specifically for use with Viking pumps, was installed in September 2023. After almost three years the only change needed was not because of any failure of the seal but as the result of a bearing issue with the pump. While the cost of the seal was higher than that of its competitor, the simplified installation process saved time and could be accomplished by any mechanics familiar with cartridge seal installations.

The company was impressed with the performance of the seal and has since ordered seven more AESSEAL® seals for use on similarly sized pumps.



## **‘Impressed with the performance of the seal’**

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|----------------|------------------|
| Industry:      | Oilseed          |
| Product:       | CURC™            |
| Application:   | Lecithin Recycle |
| MTBF Increase: | >100%            |
| Reference N.O: | TD3134108        |



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