



ENVIRONMENTAL TECHNOLOGY

## **AESSEAL® repair saves thousands for Saudi company**

A Saudi Arabian chemical company has saved thousands of dollars in repair costs following an intervention by AESSEAL® engineers.

The company was using a competitor's seal, which was failing every few months. After each failure, a third party was contracted to carry out the repair. However, after another few months, the seal would break down again.

When AESSEAL® was brought in to remedy the problem, its engineers discovered that the repair was not being carried out in accordance with the OEM specifications, particularly with regard to the spring holder, carbon rotating face and pumping ring.

According to the OEM drawing, the pumping ring must be of axial type. However, a previous repair resulted in a pumping ring that was manufactured as a radial design. The AESSEAL® team re-engineered and manufactured the pumping ring in axial design, following OEM drawings, and successfully repaired the seal. They also fitted a newly manufactured inboard spring holder and pumping scroll, and a carbon rotating face.

As of September 2024, the seal has been working without a problem for more than nine months, and has already saved the customer an estimated US\$10,000 in repair costs.

**'Reliability increased from <5 months to >9 months'**

Industry:	Chemical
Product:	Repair
Application:	Pump, 1-3 Butadine
MTBF Increase:	80% (and counting)
Savings:	\$10,000 (and counting)
Reference N.O:	TD3112041



[aes seal.com/info](https://aes seal.com/info)