



ENVIRONMENTAL TECHNOLOGY

## Increased reliability with AESSEAL® bearing protection

A major international chemical company was having problems with the reliability of the pump bearings on one of its UK sites.

The pumps were fitted with an OEM labyrinth style seal. The seal was leaking bearing oil, which caused increased heat generation inside the bearing chamber, leading to pump downtime. The cost of removing the pump from service every 2 weeks and replacing the labyrinth seals coupled with the risk generated from the increased heat in the bearing chamber caused the customer to turn to AESSEAL® for assistance.

AESSEAL® recommended replacing the labyrinth seal with the LabTecta®OP, an advanced labyrinth bearing protector designed to prevent the ingress of dust and moisture, plus keep the bearing oil within the bearing chamber. A trial was started in December 2020 to evaluate performance of the AESSEAL® solution. Unfortunately the initial trial failed after just two weeks. However, this was attributed to an overfilling of the bearing oil. A second trial was initiated in January 2021 and within 2 weeks the site judged the trial to be a success. The LabTecta®OP has now been operating correctly for over 10 months.

The company has now specified the AESSEAL® LabTecta® for the whole site, with a view to installing AESSEAL® bearing protectors on all rotating equipment.



## 2050% MTBF increase so far and counting

Industry:	Chemical
Product:	LabTecta®OP
Application:	Bearing chamber
MTBF Increase:	2050% (and counting)
Reference N.O:	CS0041



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