

ENVIRONMENTAL TECHNOLOGY

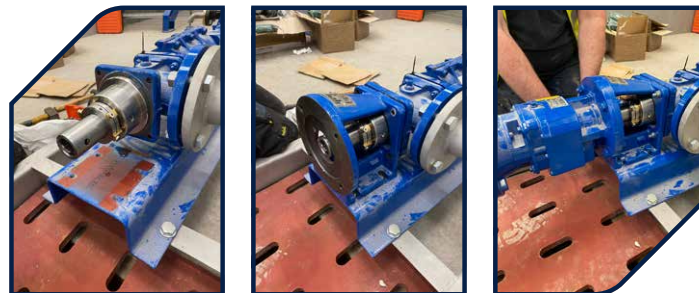
CDSA™ makes for safer workplace

The repeated failure of a component bellows seal was causing hazardous materials to leak into the work area at an Irish company supplying materials to the construction industry.

The abrasive nature of the products being pumped was causing the seal to fail on average every few months. The result was the loss of a full day's production while the pump was taken offline, stripped and rebuilt with new seal and bearings.

AESSEAL® recommended the replacement of the bellows component seal with its PCP-CDSA™ double cartridge mechanical seal. Cartridge seals are assembled, pre-set and tested at the factory. This has proven highly effective in reducing installation errors due to improper setting of spring compression, radial misalignment and damage to the seal faces from excessive handling. The self-aligning faces ensure that both the inboard and outboard faces remain square to the rotating shaft. A spring-loaded internal rotary keeps solids clear of the seal faces, minimizing the risk of clogging from process fluids with a high solids content.

The seal was installed in October 2021 and more than three years later is still operating without a problem, preventing the leak of hazardous products and saving the company £1,500 a year in the cost of replacement seals, bearings and downtime.



'Reliability increased from <5 months to >3 years'

Industry:	Construction
Product:	PCP-CDSA™
Application:	PCP pump
MTBF Increase:	620% (and counting)
Savings:	£1,500 per year
Reference N.O:	TD3110401



aes seal.com/info