



ENVIRONMENTAL TECHNOLOGY

AESSEAL® product eliminates serious health hazard

Leakage of product from a faulty pump was causing problems for a petrochemical company in the south of Spain.

The pump's competition packing was unreliable, and the product contained solids which were causing excessive wear in the shaft sleeve. Highly toxic product was leaking from the pump on to the concrete floor below the pump, creating a hazardous working environment for any employees working close by, not just because of the potential for slips and falls, but also because any repeated or prolonged exposure could constitute a serious health hazard.

AESSEAL® recommended the use of its CDP™ PCP mechanical seal, a CDP™ seal modified to suit a PCP (Progressive Cavity Pump). The CDP™ PCP requires no pump modification, reducing cost of conversion. Components are modular to standardize seal ranges, and the big bore flared housing maximizes cooling and lubrication, preventing clogging and increasing seal life.

The product was installed in July 2019, and proved effective in putting a stop to the product leakage, and consequently in resolving the safety problems. The seal operated efficiently for two and a half years before needing to be replaced. This compares with the previous MTBF of around six months. The company saved an estimated €15,000 in the first year, with a return on its investment in just three months.

As a result, the company placed further orders for AESSEAL® products, and sales were also made to another petrochemical plant in the same area.



CDP™ on left pump only



CDP™ on both pumps

‘Return on Investment in just six months’

Industry:	Chemical
Product:	CDP™ PCP
Application:	Progressive Cavity Pump
MTBF Increase:	400%
Savings:	€15,000 in the first year
Reference N.O:	TD3105315



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