



ENVIRONMENTAL TECHNOLOGY

## Warman® conversion the answer for Spanish company

A seal conversion kit for the Warman® AH Range of Ultra Heavy Duty Slurry Pumps helped to solve a variety of problems being experienced by a Spanish aluminium producer. The kit consisted of a CDPH™ double mechanical seal, sleeve, backplate, and SW02™ water management system.

The company's original packing system required the addition of water, which then had to be evaporated at a later stage in the process, a wasteful and costly procedure. There were also issues with excessive sleeve wear, leakage, and product contamination, resulting in hours of maintenance.

AESSEAL® recommended the installation of its Warman® AH Range conversion, incorporating the CDPH™ double mechanical seal, which is designed to meet the arduous requirements of heavy duty slurry applications. Its stationary faces are oversized to allow for more radial movement, and large ports and increased radial clearances enable the seal to maintain a stable fluid film for extended seal life.

The conversion was carried out on one of the company's pumps in January 2017. The improvement was immediate. It eliminated leakage, which meant that the working environment was clean, and money was no longer being wasted in the water evaporation process. Barely a month later the company decided to carry out the same process on a second pump.

The MTBF improved from just two weeks to around 18 months, with a return on investment achieved in a little over three months. Savings were estimated to be more than €200,000 over the course of a year, and AESSEAL® became the only supplier of mechanical seals to this huge plant, in which more than 90% of the applications are sealed with packing.



before



after

## 'Reliability increased from 2 weeks to 18 months'

Industry:	Metal Processing
Product:	CDPH™ & SW02™
Application:	Slurry Pumps
MTBF Increase:	3800%
Savings:	>€200,000 (>\$217,000)
Reference N.O:	TD3106046



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