



ENVIRONMENTAL TECHNOLOGY

Major reliability improvement with CSSN™ seals

The installation of the AESSEAL® CSSN™ cartridge seal has resulted in a dramatic improvement in seal reliability for a South African chemical company.

The existing seals on its cooling tower water pumps were failing every four to six months. The leaking seals allowed contaminated water to enter the system. It would quickly go through the lip seals into the bearings, resulting in major downtime and costly repairs.

AESSEAL® recommended the installation of its CSSN™ cartridge seal, which is designed as a high-performance solution for general applications. It builds on more than a decade of proven performance from the AESSEAL® CURC™ and FIDC™ range, and cutting-edge manufacturing techniques have made it the best value-for-money sealing solution now available.

The seals were installed in October 2022, and were only removed for repair in May 2024, having increased the MTBF over the previous seals from less than six months to more than one and a half years. As a result, the company has upgraded all four of its cooling tower pumps with the CSSN™ along with LabTecta® bearing protectors.



Reliability increased from <6 months to >1.5 years'

Industry:	Chemical
Product:	CSSN™
Application:	Cooling tower water pumps
MTBF Increase:	300%
Reference N.O:	TD3107947



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