



ENVIRONMENTAL TECHNOLOGY

DMSF™ seal saves thousands for Australian company

An Australian mining company saved more than AU\$20k (US\$12,700) in just five months after replacing inefficient gland packing with the AESSEAL® DMSF™ double cartridge mechanical seal.

The pumps were failing every two months, and the leakage of caustic soda from the stuffing box into the area around the base of the pump was causing abrasive wear around the shaft and a potential health hazard for the company's employees.

The AESSEAL® DMSF™ range of double cartridge mechanical seals is a high-performance sealing solution for difficult applications, designed to withstand barrier and process pressure fluctuations, and is regarded as the most technologically advanced seal in its class, helping to reduce downtime and maintenance costs.

The DMSF™ seal was installed in July 2024 and has been working without a problem for almost 12 months. It has prevented the leakage of caustic soda and removed a possible health risk for staff working in the area of the pump, while saving the company thousands of dollars in the process.



‘Reliability increased from 2 months to >11 months’

Industry:	Mining
Product:	DMSF™
Application:	Recirculating holding tank pump
MTBF Increase:	450% (and counting)
Savings:	>AU\$20,000 (US\$12,700)
Reference N.O:	TD3120863



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