



ENVIRONMENTAL TECHNOLOGY

CURC™ solves leakage problem for Saudi company

A petrochemical company in Saudi Arabia was experiencing persistent leakage during startup on a cooling water pump, the result of installation errors and the improper setting of the component seals.

To remedy the problem, AESSEAL® recommended replacing the competitor's single seal with the CURC™ single cartridge mechanical seal.

Cartridge seal construction is a proven reliability improvement. Seals pre-assembled at the factory, pressure tested and shipped as a unit reduce the likelihood of errors due to incorrect installation. There is no need to measure and set spring compression as assembled seals mean that faces are protected from damage during installation.

The fully cartridge design of the CURC™ required minimal modification to the existing equipment. All that was needed was to re-machine the existing sleeve to use as a stub sleeve. This solution eliminates seal setting problems and installation errors, and the seal has been working perfectly in the 14 months since its installation in October 2023, saving the company an estimated US\$5,000 a year in seal repair, downtime, and labour costs.



‘Saving \$5,000 per year’

Industry:	Petrochemical
Product:	CURC™
Application:	Cooling Water Pump
MTBF Increase:	133% (and counting)
Savings:	\$5,000 per year
Reference N.O:	TD3119875



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