



ENVIRONMENTAL TECHNOLOGY

ZAR84,000 Saving with reliability upgrade from packing

A vertically integrated chemical and mining company had a poor mean time between failure (MTBF) on a water pump on one of its mining facilities in South Africa.

The pump was sealed using mechanical packing, however the site was not adhering to the repacking schedule causing excessive leakage and subsequent damage to the pump bearings as a result of water ingress. With a MTBF of just 3 to 5 weeks the customer turned to AESSEAL® for assistance.

AESSEAL® recommended replacing the packing on the pump with a CSSN mechanical seal along with fitting a LabTecta® bearing protector on the pump bearing housing. The solution was installed in February 2020 and has been running without failure for 14 months so far. The customer has saved over ZAR 84,000 as well as reducing water consumption and improving safety on site. As a result of the success of this installation we have received additional business to upgrade pumps on their water tankers



‘Improved reliability’

Industry:	Mining
Product:	CSSN and LabTecta®
Application:	Water pump
MTBF Increase:	1020% (and counting)
Savings:	ZAR84,000
Reference N.O:	19052021-TVTB01



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